

Table 2-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name:		OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01
Sample Date:		7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013
Parent Sample Code:									
BTEX (µg/m³)									
Benzene	5.8	1.28 U	1.28 U	1.28 U	1.28 U	0.639 U	1.28 U	1.28 UJ	1.28 U
Toluene	21	0.482 J	1.94	1.51 U	1.51 U	0.754 U	1.51 U	1.27 J	1.51 U
Ethylbenzene	1.9	1.74 U	1.74 U	1.74 U	1.74 U	0.869 U	1.74 U	1.74 UJ	1.74 U
o-Xylene	2.5	1.74 U	1.74 U	1.74 U	1.74 U	0.869 U	1.74 U	1.74 UJ	1.74 U
m,p-Xylene	3.1	3.47 U	3.47 U	3.47 U	3.47 U	1.74 U	3.47 U	3.47 UJ	3.47 U
Other VOCs (µg/m³)									
Acetaldehyde	NE	12	11	4.95 J	9.35	2.04 J	9.01 U	2.25 J	4.23 J
Acetone	58	7.96	14.4	5.61	13.2	1.81 J	1.77 J	1.46 J	2.45 J
Acrolein (propenal)	NE	2.29 U	2.29 U	2.29 U	2.29 U	1.15 U	2.29 U	2.29 UJ	2.29 U
Allyl chloride (Chloropropene,3-)	NE	1.25 U	1.25 U	1.25 U	1.25 U	0.626 U	1.25 U	1.25 UJ	1.25 U
Benzothiophene	NE	5.49 U	5.49 U	5.49 U	5.49 U	1.1 U	5.49 U	5.49 UJ	5.49 U
Bromodichloromethane	NE	2.68 U	2.68 U	2.68 U	2.68 U	1.34 U	2.68 U	2.68 UJ	2.68 U
Bromoform	NE	4.14 U	4.14 U	4.14 U	4.14 U	2.07 U	4.14 U	4.14 UJ	4.14 U
Bromomethane	0.9	1.55 U	1.55 U	1.55 U	1.55 U	0.777 U	1.55 U	1.55 UJ	1.55 U
1,3-Butadiene	NE	0.885 U	0.885 U	0.885 U	0.885 U	0.442 U	0.885 U	0.885 UJ	0.885 U
Butane	NE	0.951 U	0.414 J	0.38 J	0.951 U	0.475 U	0.951 U	0.323 J	0.951 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	1.21 U	1.21 U	1.21 U	1.21 U	0.606 U	1.21 U	1.21 UJ	1.21 U
Carbon disulfide	NE	1.03 J	1.87	0.212 JB	0.816 JB	0.623 U	1.25 U	1.25 UJ	1.25 U
Carbon tetrachloride	1	2.52 U	2.52 U	2.52 U	2.52 U	1.26 UJ	2.52 U	2.52 UJ	2.52 U
Chlorobenzene	0.25	1.84 U	1.84 U	1.84 U	1.84 U	0.921 U	1.84 U	1.84 UJ	1.84 U
Chloroethane	0.4	1.06 U	1.06 U	1.06 U	1.06 U	0.528 U	1.06 U	1.06 UJ	1.06 U
Chloroform	0.5	3.98	4.45	2.15	1.38 J	0.444 J	0.566 J	1.95 UJ	1.95 U
Chloromethane	4.6	0.826 U	0.826 U	0.826 U	0.826 U	0.413 U	0.826 U	0.826 UJ	0.826 U
2-Chlorotoluene	NE	2.07 U	2.07 U	2.07 U	2.07 U	1.04 U	2.07 U	2.07 UJ	2.07 U
Cryofluorane (Freon-114)	1.3	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 UJ	2.8 U
Cyclohexane	3	1.38 U	3.32	1.38 U	1.38 U	0.688 U	1.38 U	1.38 UJ	1.38 U
n-Decane	3.6	2.33 U	2.61	2.33 U	2.33 U	1.16 U	2.33 U	2.33 UJ	0.908 J
Dibromochloromethane	NE	3.41 U	3.41 U	3.41 U	3.41 U	1.7 U	3.41 U	3.41 UJ	3.41 U
1,2-Dibromoethane	0.25	3.07 U	3.07 U	3.07 U	3.07 U	1.54 U	3.07 U	3.07 UJ	3.07 U
1,2-Dichlorobenzene	0.9	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 UJ	2.4 U
1,3-Dichlorobenzene	0.7	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 UJ	2.4 U
1,4-Dichlorobenzene	0.8	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 UJ	2.4 U
Dichlorodifluoromethane	11	1.9 J	2.2	1.09 J	1.57 J	1.04	1.13 J	1.85 J	1.12 J
1,1-Dichloroethane	0.25	1.62 U	1.62 U	1.62 U	1.62 U	0.809 U	1.62 U	1.62 UJ	1.62 U
1,2-Dichloroethane	0.25	1.62 U	1.62 U	1.62 U	1.62 U	0.809 U	1.62 U	1.62 UJ	1.62 U
1,1-Dichloroethene	0.25	1.58 U	1.58 U	1.58 U	1.58 U	0.793 U	1.59 U	1.59 UJ	1.59 U
cis-1,2-Dichloroethene	0.25	1.58 U	1.58 U	1.58 U	1.58 U	0.793 U	1.59 U	1.59 UJ	1.59 U
trans-1,2-Dichloroethene	NE	1.58 U	1.58 U	1.58 U	1.58 U	0.793 U	1.59 U	1.59 UJ	1.59 U
1,2-Dichloropropane	0.25	1.85 U	1.85 U	1.85 U	1.85 U	0.924 U	1.85 U	1.85 UJ	1.85 U
cis-1,3-Dichloropropene	0.25	1.82 U	1.82 U	1.82 U	1.82 U	0.908 U	1.82 U	1.82 UJ	1.82 U
trans-1,3-Dichloropropene	0.25	1.82 U	1.82 U	1.82 U	1.82 U	0.908 U	1.82 U	1.82 UJ	1.82 U
1,4-Dioxane	NE	1.44 U	1.44 U	1.44 U	1.44 U	0.721 U	1.44 U	1.44 UJ	1.44 U
n-Dodecane	7.6	6.96 U	9.26	2.79 U	2.79 U	1.39 U	2.79 U	2.79 UJ	1.64 J
Ethanol	220	4.14	3.77 U	3.77 U	3.77 U	1.88 U	3.77 U	3.77 UJ	3.77 U
2-Ethylthiophene	NE	1.84 U	1.84 U	1.84 U	1.84 U	0.918 U	1.84 U	1.84 UJ	1.84 U
p-Ethyltoluene	NE	1.97 U	1.97 U	1.97 U	1.97 U	0.983 U	1.97 U	1.97 UJ	1.97 U
n-Heptane	5.1	1.64 U	1.64 U	1.64 U	1.64 U	0.82 U	1.64 U	1.64 UJ	1.64 U
Hexachlorobutadiene	7	4.27 U	4.27 U	4.27 U	4.27 U	2.13 U	4.27 U	4.27 UJ	4.27 U
n-Hexane	3.6	1.41 U	1.41 U	1.41 U	1.41 U	0.705 U	1.41 U	1.41 UJ	1.41 U
2-Hexanone	NE	1.64 U	1.64 U	1.64 U	1.64 U	0.82 U	1.64 U	1.64 UJ	1.64 U
Indane	NE	1.93 U	1.93 U	1.93 U	1.93 U	0.967 U	1.93 U	1.93 UJ	1.93 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	0.951 U	1.9 U	1.9 UJ	1.9 U

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Sample Name:		OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-01
Sample Date:		7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013
Parent Sample Code:									
2-Butanone (Methyl ethyl ketone)	17	1.1 J	1.26	0.867 J	1.56	0.59 U	1.18 U	1.18 UJ	1.18 U
Methyl tert-butyl ether	5.9	1.44 U	1.44 U	1.44 U	1.44 U	0.721 U	1.44 U	1.44 UJ	1.44 U
4-Methyl-2-pentanone	2.9	1.64 U	1.64 U	1.64 U	1.64 U	0.82 U	1.64 U	1.64 UJ	1.64 U
Methylene chloride	2.9	2.53 J	2.48 J	2.64 J	6.95 U	3.47 U	6.95 U	2.52 J	6.95 U
1-Methylnaphthalene	NE	11.6 U	11.6 UJ	11.6 U	11.6 U	5.82 U	11.6 U	11.6 UJ	11.6 U
2-Methylnaphthalene	NE	11.6 U	11.6 U	11.6 U	11.6 U	5.82 U	11.6 U	11.6 UJ	11.6 U
2-Methylthiophene	NE	1.61 U	1.61 U	1.61 U	1.61 U	0.803 U	1.61 U	1.61 UJ	1.61 U
3-Methylthiophene	NE	1.61 U	1.61 U	1.61 U	1.61 U	0.803 U	1.61 U	1.61 UJ	1.61 U
Naphthalene	10	2.1 U	1.09 J	2.1 U	2.1 U	1.05 U	2.1 U	2.1 UJ	2.1 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	1.05 U	2.1 U	2.1 UJ	2.1 U
n-Octane	2.1	1.87 U	1.87 U	1.87 U	1.87 U	0.934 U	1.87 U	1.87 UJ	1.87 U
Pentane	NE	1.18 U	0.425 J	1.18 U	1.18 U	0.59 U	1.18 U	0.283 J	1.18 U
2-Propanol (Isopropyl Alcohol)	NE	2.46 U	3.59	2.46 U	2.46 U	1.23 U	2.46 U	2.46 UJ	2.46 U
Styrene	0.6	1.7 U	1.7 U	1.7 U	1.7 U	0.852 U	1.7 U	1.7 UJ	1.7 U
1,1,2,2-Tetrachloroethane	0.25	2.75 U	2.75 U	2.75 U	2.75 U	1.37 U	2.75 U	2.75 UJ	2.75 U
Tetrachloroethene	1.6	6.48	5.51	3.82	2.85	1.93	6.64 J	1.45 J	2.71 U
1,2,4,5-Tetramethylbenzene	NE	5.49 U	5.49 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U
Thiophene	NE	1.38 U	1.38 U	1.38 U	1.38 U	0.688 U	1.38 U	1.38 UJ	1.38 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	3.06 U	3.06 U	3.06 U	3.06 U	1.53 U	3.07 U	3.07 UJ	3.07 U
1,2,4-Trichlorobenzene	4.8	2.97 U	2.97 U	2.97 U	2.97 U	1.48 U	2.97 U	2.97 UJ	2.97 U
1,1,1-Trichloroethane	0.7	2.18 U	2.18 U	2.18 U	2.18 U	0.376 J	2.18 U	2.18 UJ	2.18 U
1,1,2-Trichloroethane	0.25	2.18 U	2.18 U	2.18 U	2.18 U	1.09 U	2.18 U	2.18 UJ	2.18 U
Trichloroethene	0.5	2.15 U	2.15 U	2.15 U	2.15 U	1.07 U	2.15 U	2.15 UJ	2.15 U
Trichlorofluoromethane	6.1	1.61 J	1.58 J	1.18 J	1.17 J	0.708 J	0.618 J	0.922 J	0.596 J
1,2,3-Trimethylbenzene	0.6	1.97 U	1.97 U	1.97 U	1.97 U	0.983 U	1.97 U	1.97 UJ	1.97 U
1,2,4-Trimethylbenzene	2.5	1.97 U	1.11 J	1.97 U	1.97 U	0.983 U	1.97 U	1.97 UJ	1.97 U
1,3,5-Trimethylbenzene	1	1.97 U	1.97 U	1.97 U	1.97 U	0.983 U	1.97 U	1.97 UJ	1.97 U
2,2,4-Trimethylpentane	2	1.87 U	1.87 U	1.87 U	1.87 U	0.934 U	1.87 U	1.87 UJ	1.87 U
n-Undecane	2.3	2.56 U	6.52	2.56 U	2.56 U	1.28 U	2.56 U	2.56 UJ	2.56 U
Vinyl bromide	NE	1.75 U	1.75 U	1.75 U	1.75 U	0.874 U	1.75 U	1.75 UJ	1.75 U
Vinyl chloride	0.25	1.02 U	1.02 U	1.02 U	1.02 U	0.511 U	1.02 U	1.02 UJ	1.02 U
Other (%)									
Helium	NE	0.348	NA	NA	0.018 U	NA	0.017 U	NA	NA

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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name:		OZSV-01	OZSV-01	OZSV-01	OZSV-01	OZSV-02	OZDUP-19	OZSV-02	OZSV-02
Sample Date:		3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	7/24/2012	8/29/2012	9/25/2012
Parent Sample Code:							OZSV-02		
BTEX (µg/m³)									
Benzene	5.8	0.639 U	0.639 U	0.639 U	0.639 U	1.28 U	1.28 U	1.28 U	1.28 U
Toluene	21	0.754 U	0.754 U	0.754 U	0.633 J	1.51 U	1.51 U	1.51 U	1.51 U
Ethylbenzene	1.9	0.869 U	0.869 U	0.869 U	0.869 U	1.74 U	1.74 U	1.74 U	1.74 U
o-Xylene	2.5	0.869 U	0.869 U	0.869 U	0.869 U	1.74 U	1.74 U	1.74 U	1.74 U
m,p-Xylene	3.1	1.74 U	1.74 U	1.74 U	0.634 J	3.47 U	3.47 U	3.47 U	3.47 U
Other VOCs (µg/m³)									
Acetaldehyde	NE	2.45 J	2.88 J	4.34 J	9.46	14.7	12.9	15.8	8.68 J
Acetone	58	2.73	5.04	3.52	9.31	12.7	15.9	27.6	7.72
Acrolein (propenal)	NE	1.15 U	1.15 U	1.15 U	0.564 J	2.29 U	2.29 U	2.29 U	2.29 U
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	1.25 U	1.25 U	1.25 U	1.25 U
Benzothiophene	NE	2.74 U	2.74 U	2.74 U	0.302 J	5.49 U	5.49 U	5.49 U	5.49 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	2.68 U	2.68 U	2.68 U	2.68 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	4.14 U	4.14 U	4.14 U	4.14 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	1.55 U	1.55 U	1.55 U	1.55 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.885 U	0.885 U	0.885 U	0.885 U
Butane	NE	0.475 U	0.475 U	0.107 J	0.475 U	0.951 U	0.951 U	0.371 J	0.951 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.343 J	1.21 U	1.21 U	1.21 U	1.21 U
Carbon disulfide	NE	0.623 U	0.121 J	0.623 U	0.794	1.07 J	1.24 U	1.24 U	0.274 JB
Carbon tetrachloride	1	1.26 U	1.26 U	1.26 U	1.26 U	2.52 U	2.52 U	2.52 U	2.52 U
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	1.84 U	1.84 U	1.84 U	1.84 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	1.06 U	1.06 U	1.06 U	1.06 U
Chloroform	0.5	0.381 J	0.547 J	1.26	6.93	3.87	4.31	4.78	2.85
Chloromethane	4.6	0.413 U	0.413 U	0.413 U	1.28	0.826 U	0.826 U	0.826 U	0.826 U
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	2.07 U	2.07 U	2.07 U	2.07 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.688 U	0.688 U	0.688 U	0.688 U	1.38 U	1.38 U	1.38 U	1.38 U
n-Decane	3.6	1.16 U	0.71 J	3.28	2.37	2.33 U	2.33 U	2.33 U	2.33 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	3.41 U	3.41 U	3.41 U	3.41 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	3.07 U	3.07 U	3.07 U	3.07 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	0.732 J	1.4	1.39	0.964 J	1.68 J	2.18	2.06	1.16 J
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	1.62 U	1.62 U	1.62 U	1.62 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	1.62 U	1.62 U	1.62 U	1.62 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U	1.58 U	1.58 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U	1.58 U	1.58 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U	1.58 U	1.58 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	1.85 U	1.85 U	1.85 U	1.85 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	1.82 U	1.82 U	1.82 U	1.82 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	1.82 U	1.82 U	1.82 U	1.82 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	1.44 U	1.44 U	1.44 U	1.44 U
n-Dodecane	7.6	0.773 J	4.03	10.7	7.94	1.89 J	1.2 J	3.04 J	2.79 U
Ethanol	220	1.88 U	1.88 U	1.37 J	2.32	2.13 J	10.5	2.52 J	3.77 U
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	1.84 U	1.84 U	1.84 U	1.84 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
n-Heptane	5.1	0.82 U	0.82 U	0.82 U	0.82 U	1.64 U	1.64 U	1.64 U	1.64 U
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	4.27 U	4.27 U	4.27 U	4.27 U
n-Hexane	3.6	0.705 U	0.705 U	0.705 U	0.705 U	1.41 U	1.41 U	1.41 U	1.41 U
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.639 J	1.64 U	1.64 U	1.64 U	1.64 U
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	1.93 U	1.93 U	1.93 U	1.93 U
Indene	NE	0.951 U	0.951 U	0.951 U	0.951 U	1.9 U	1.9 U	1.9 U	1.9 U

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Sample Date:		3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	7/24/2012	8/29/2012	9/25/2012
Parent Sample Code:							OZSV-02		
2-Butanone (Methyl ethyl ketone)	17	0.59 U	0.493 J	0.737	1.63	1.3	1.63	1.64	0.773 J
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	1.44 U	1.44 U	1.44 U	1.44 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	1.64 U	1.64 U	1.64 U	1.64 U
Methylene chloride	2.9	3.47 U	3.47 U	1.82 J	1.27 J	5.45 J	5.21 J	2.96 J	5 J
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	11.6 U	11.6 U	11.6 UJ	11.6 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	11.6 U	11.6 U	11.6 U	11.6 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	1.61 U	1.61 U	1.61 U	1.61 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	1.61 U	1.61 U	1.61 U	1.61 U
Naphthalene	10	1.05 U	1.05 U	1.05 U	0.467 J	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	2.1 U	2.1 U	2.1 U	2.1 U
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.35 J	1.87 U	1.87 U	1.87 U	1.87 U
Pentane	NE	0.59 U	0.59 U	0.59 U	0.242 J	1.18 U	1.18 U	1.18 U	1.18 U
2-Propanol (Isopropyl Alcohol)	NE	1.23 U	0.273 J	1.23 U	1.23 U	1.48 J	0.713 J	2.53	2.46 U
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	1.7 U	1.7 U	1.7 U	1.7 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	2.75 U	2.75 U	2.75 U	2.75 U
Tetrachloroethene	1.6	1.51	1.98	2.76	3.84	11.3	12.7	10.8	7.59
1,2,4,5-Tetramethylbenzene	NE	2.74 U	1.1 U	1.1 U	2.74 U	5.49 U	5.49 U	5.49 U	2.2 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	1.38 U	1.38 U	1.38 U	1.38 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	1.53 U	1.53 U	1.53 U	0.628 J	3.06 U	3.06 U	3.06 U	3.06 U
1,2,4-Trichlorobenzene	4.8	1.48 UJ	1.48 U	1.48 U	1.48 U	2.97 U	2.97 U	2.97 U	2.97 U
1,1,1-Trichloroethane	0.7	0.48 J	0.758 J	1.06 J	0.371 J	2.18 U	2.18 U	2.18 U	2.18 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	2.18 U	2.18 U	2.18 U	2.18 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	2.15 U	2.15 U	2.15 U	2.15 U
Trichlorofluoromethane	6.1	0.776 J	0.742 J	0.882 J	1.69	1.74 J	2.02 J	2.51	1.79 J
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
2,2,4-Trimethylpentane	2	0.934 U	0.934 U	0.934 U	0.934 U	1.87 U	1.87 U	1.87 U	1.87 U
n-Undecane	2.3	0.742 J	1.28 U	0.345 J	1.28 U	2.56 U	2.56 U	0.831 J	2.56 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	1.75 U	1.75 U	1.75 U	1.75 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	1.02 U	1.02 U	1.02 U	1.02 U
Other (%)									
Helium	NE	0.018 U	NA	NA	0.02 U	NA	NA	0.15	NA

Table 2-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Val	Red. Val.	Val	Val	Red. Val.
Sample Name:		OZDUP-20	OZSV-02	OZSV-02	OZDUP-21	OZSV-02	OZSV-02	OZDUP-22	OZSV-02
Sample Date:		9/25/2012	10/26/2012	11/29/2012	11/29/2012	12/24/2012	1/23/2013	1/23/2013	2/25/2013
Parent Sample Code:		OZSV-02			OZSV-02			OZSV-02	
BTEX (µg/m³)									
Benzene	5.8	1.28 U	1.28 U	0.639 U	0.639 U	1.28 U	1.28 U	1.28 U	1.28 U
Toluene	21	1.51 U	1.51 U	0.754 U	0.754 U	1.51 U	1.51 U	1.51 U	1.51 U
Ethylbenzene	1.9	1.74 U	1.74 U	0.869 U	0.869 U	1.74 U	1.74 U	1.74 U	1.74 U
o-Xylene	2.5	1.74 U	1.74 U	0.869 U	0.869 U	1.74 U	1.74 U	1.74 U	1.74 U
m,p-Xylene	3.1	3.47 U	3.47 U	1.74 U	1.74 U	3.47 U	3.47 U	3.47 U	3.47 U
Other VOCs (µg/m³)									
Acetaldehyde	NE	10.6	9.13	5.28	7.46	2.14 J	7.57 J	5.95 J	3.57 J
Acetone	58	7.24	7.32	3.37 J	7.25 J	2.83 J	2.54 J	2.03 J	2 J
Acrolein (propenal)	NE	2.29 U	2.29 U	1.15 U	1.15 U	2.29 U	2.29 U	2.29 U	2.29 U
Allyl chloride (Chloropropene,3-)	NE	1.25 U	1.25 U	0.626 U	0.626 U	1.25 U	1.25 U	1.25 U	1.25 U
Benzothiophene	NE	5.49 U	5.49 U	1.1 U	1.1 U	5.49 U	5.49 U	5.49 U	5.49 U
Bromodichloromethane	NE	2.68 U	2.68 U	1.34 U	1.34 U	2.68 U	2.68 U	2.68 U	2.68 U
Bromoform	NE	4.14 U	4.14 U	2.07 U	2.07 U	4.14 U	4.14 U	4.14 U	4.14 U
Bromomethane	0.9	1.55 U	1.55 U	0.777 U	0.777 U	1.55 U	1.55 U	1.55 U	1.55 U
1,3-Butadiene	NE	0.885 U	0.885 U	0.442 U	0.442 U	0.885 U	0.885 U	0.885 U	0.885 U
Butane	NE	0.347 J	0.951 U	0.126 J	0.475 U	0.951 U	0.951 U	0.257 J	0.951 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	1.21 U	1.21 U	0.606 U	0.409 J	1.21 U	1.21 U	1.21 U	1.21 U
Carbon disulfide	NE	0.212 JB	0.916 JB	0.501 J	0.623 U	1.25 U	1.25 U	1.25 U	1.25 U
Carbon tetrachloride	1	2.52 U	2.52 U	1.26 UJ	1.26 UJ	2.52 U	2.52 U	2.52 U	2.52 U
Chlorobenzene	0.25	1.84 U	1.84 U	0.921 U	0.921 U	1.84 U	1.84 U	1.84 U	1.84 U
Chloroethane	0.4	1.06 U	1.06 U	0.528 U	0.528 U	1.06 U	1.06 U	1.06 U	1.06 U
Chloroform	0.5	2.5	1.41 J	0.703 J	0.723 J	0.733 J	0.908 J	0.986 J	0.693 J
Chloromethane	4.6	0.826 U	0.826 U	0.413 U	0.413 U	0.826 U	0.826 U	0.826 U	0.826 U
2-Chlorotoluene	NE	2.07 U	2.07 U	1.04 U	1.04 U	2.07 U	2.07 U	2.07 U	2.07 U
Cryofluorane (Freon-114)	1.3	2.8 U	2.8 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	1.38 U	1.38 U	0.688 U	0.688 U	1.38 U	1.38 U	1.38 U	1.38 U
n-Decane	3.6	2.33 U	2.33 U	0.384 J	0.844 J	2.33 U	2.33 U	0.71 J	0.896 J
Dibromochloromethane	NE	3.41 U	3.41 U	1.7 U	1.7 U	3.41 U	3.41 U	3.41 U	3.41 U
1,2-Dibromoethane	0.25	3.07 U	3.07 U	1.54 U	1.54 U	3.07 U	3.07 U	3.07 U	3.07 U
1,2-Dichlorobenzene	0.9	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
1,3-Dichlorobenzene	0.7	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
1,4-Dichlorobenzene	0.8	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	0.989 J	1.23 J	0.613 J	0.687 J	0.742 J	1.74 J	1.67 J	0.811 J
1,1-Dichloroethane	0.25	1.62 U	1.62 U	0.809 U	0.809 U	1.62 U	1.62 U	1.62 U	1.62 U
1,2-Dichloroethane	0.25	1.62 U	1.62 U	0.809 U	0.809 U	1.62 U	1.62 U	1.62 U	1.62 U
1,1-Dichloroethene	0.25	1.58 U	1.58 U	0.793 U	0.793 U	1.59 U	1.59 U	1.59 U	1.59 U
cis-1,2-Dichloroethene	0.25	1.58 U	1.58 U	0.793 U	0.793 U	1.59 U	1.59 U	1.59 U	1.59 U
trans-1,2-Dichloroethene	NE	1.58 U	1.58 U	0.793 U	0.793 U	1.59 U	1.59 U	1.59 U	1.59 U
1,2-Dichloropropane	0.25	1.85 U	1.85 U	0.924 U	0.924 U	1.85 U	1.85 U	1.85 U	1.85 U
cis-1,3-Dichloropropene	0.25	1.82 U	1.82 U	0.908 U	0.908 U	1.82 U	1.82 U	1.82 U	1.82 U
trans-1,3-Dichloropropene	0.25	1.82 U	1.82 U	0.908 U	0.908 U	1.82 U	1.82 U	1.82 U	1.82 U
1,4-Dioxane	NE	1.44 U	1.44 U	0.721 U	0.721 U	1.44 U	1.44 U	1.44 U	1.44 U
n-Dodecane	7.6	2.79 U	1.66 J	1.39 U	1.69	2.79 U	2.79 U	2.79 U	2.73 J
Ethanol	220	3.77 U	3.77 U	1.88 U	3.35	3.77 U	3.77 U	3.77 U	3.77 U
2-Ethylthiophene	NE	1.84 U	1.84 U	0.918 U	0.918 U	1.84 U	1.84 U	1.84 U	1.84 U
p-Ethyltoluene	NE	1.97 U	1.97 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
n-Heptane	5.1	1.64 U	1.64 U	0.82 U	0.238 J	1.64 U	1.64 U	1.64 U	1.64 U
Hexachlorobutadiene	7	4.27 U	4.27 U	2.13 U	2.13 U	4.27 U	4.27 U	4.27 U	4.27 U
n-Hexane	3.6	1.41 U	1.41 U	0.705 U	0.705 U	1.41 U	1.41 U	1.41 U	1.41 U
2-Hexanone	NE	1.64 U	1.64 U	0.82 U	0.82 U	1.64 U	1.64 U	1.64 U	1.64 U
Indane	NE	1.93 U	1.93 U	0.967 U	0.967 U	1.93 U	1.93 U	1.93 U	1.93 U
Indene	NE	1.9 U	1.9 U	0.951 U	0.951 U	1.9 U	1.9 U	1.9 U	1.9 U

Table 2-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Val	Red. Val.	Val	Val	Red. Val.
Sample Name:		OZDUP-20	OZSV-02	OZSV-02	OZDUP-21	OZSV-02	OZSV-02	OZDUP-22	OZSV-02
Sample Date:		9/25/2012	10/26/2012	11/29/2012	11/29/2012	12/24/2012	1/23/2013	1/23/2013	2/25/2013
Parent Sample Code:		OZSV-02			OZSV-02			OZSV-02	
2-Butanone (Methyl ethyl ketone)	17	1.09 J	1.51	0.619 J	2.93 J	0.431 J	1.18 U	1.18 U	1.18 U
Methyl tert-butyl ether	5.9	1.44 U	1.44 U	0.721 U	0.721 U	1.44 U	1.44 U	1.44 U	1.44 U
4-Methyl-2-pentanone	2.9	1.64 U	1.64 U	0.82 U	0.82 U	1.64 U	1.64 U	1.64 U	1.64 U
Methylene chloride	2.9	6.95 U	6.95 U	0.921 J	1.75 J	6.95 U	2.13 J	2.27 J	6.95 U
1-Methylnaphthalene	NE	11.6 U	11.6 U	5.82 U	5.82 U	11.6 U	11.6 U	11.6 U	11.6 U
2-Methylnaphthalene	NE	11.6 U	11.6 U	5.82 U	5.82 U	11.6 U	11.6 U	11.6 U	11.6 U
2-Methylthiophene	NE	1.61 U	1.61 U	0.803 U	0.803 U	1.61 U	1.61 U	1.61 U	1.61 U
3-Methylthiophene	NE	1.61 U	1.61 U	0.803 U	0.803 U	1.61 U	1.61 U	1.61 U	1.61 U
Naphthalene	10	2.1 U	2.1 U	1.05 U	1.05 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	2.1 U	2.1 U	1.05 U	1.05 U	2.1 U	2.1 U	2.1 U	2.1 U
n-Octane	2.1	1.87 U	1.87 U	0.934 U	0.934 U	1.87 U	1.87 U	1.87 U	1.87 U
Pentane	NE	1.18 U	1.18 U	0.59 U	0.59 U	1.18 U	1.18 U	1.18 U	1.18 U
2-Propanol (Isopropyl Alcohol)	NE	0.801 J	2.46 U	1.23 U	0.882 J	2.46 U	0.865 J	2.46 U	2.46 U
Styrene	0.6	1.7 U	1.7 U	0.852 U	0.852 U	1.7 U	1.7 U	1.7 U	1.7 U
1,1,2,2-Tetrachloroethane	0.25	2.75 U	2.75 U	1.37 U	1.37 U	2.75 U	2.75 U	2.75 U	2.75 U
Tetrachloroethene	1.6	7.32	4.2	2.73	2.6	2.01 J	1.78 J	1.76 J	1.49 J
1,2,4,5-Tetramethylbenzene	NE	2.2 U	2.2 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Thiophene	NE	1.38 U	1.38 U	0.688 U	0.688 U	1.38 U	1.38 U	1.38 U	1.38 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	3.06 U	3.06 U	1.53 U	1.53 U	3.07 U	3.07 U	3.07 U	3.07 U
1,2,4-Trichlorobenzene	4.8	2.97 U	2.97 U	1.48 U	1.48 U	2.97 U	2.97 U	2.97 U	2.97 U
1,1,1-Trichloroethane	0.7	2.18 U	2.18 U	1.09 U	0.382 J	2.18 U	2.18 U	2.18 U	2.18 U
1,1,2-Trichloroethane	0.25	2.18 U	2.18 U	1.09 U	1.09 U	2.18 U	2.18 U	2.18 U	2.18 U
Trichloroethene	0.5	2.15 U	2.15 U	1.07 U	1.07 U	2.15 U	2.15 U	2.15 U	2.15 U
Trichlorofluoromethane	6.1	1.58 J	1.27 J	0.708 J	0.674 J	0.629 J	1.12 J	0.967 J	0.506 J
1,2,3-Trimethylbenzene	0.6	1.97 U	1.97 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
1,2,4-Trimethylbenzene	2.5	1.97 U	1.97 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
1,3,5-Trimethylbenzene	1	1.97 U	1.97 U	0.983 U	0.983 U	1.97 U	1.97 U	1.97 U	1.97 U
2,2,4-Trimethylpentane	2	1.87 U	1.87 U	0.934 U	0.934 U	1.87 U	1.87 U	1.87 U	1.87 U
n-Undecane	2.3	2.56 U	2.56 U	1.28 U	0.933 J	2.56 U	2.56 U	2.56 U	2.56 U
Vinyl bromide	NE	1.75 U	1.75 U	0.874 U	0.874 U	1.75 U	1.75 U	1.75 U	1.75 U
Vinyl chloride	0.25	1.02 U	1.02 U	0.511 U	0.511 U	1.02 U	1.02 U	1.02 U	1.02 U
Other (%)									
Helium	NE	NA	NA	NA	NA	NA	0.015 U	0.015 U	NA

Table 2-1
Analytical Soil Vapor Results
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Val	Val	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val
Sample Name:		OZSV-02	OZDUP-23	OZSV-02	OZSV-02	OZDUP-24	OZSV-02	OZSV-03	OZSV-03
Sample Date:		3/27/2013	3/27/2013	4/29/2013	5/28/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012
Parent Sample Code:			OZSV-02			OZ SV-02			
BTEX (µg/m³)									
Benzene	5.8	0.639 UJ	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	1.28 U	1.28 U
Toluene	21	0.754 UJ	0.754 U	0.754 U	0.754 U	0.754 U	0.754 U	1.02	1.51 U
Ethylbenzene	1.9	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	1.74 U	1.74 U
o-Xylene	2.5	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	1.74 U	1.74 U
m,p-Xylene	3.1	1.74 UJ	1.74 U	1.74 U	1.74 U	1.74 U	0.869 J	3.47 U	3.47 U
Other VOCs (µg/m³)									
Acetaldehyde	NE	3.84 J	5.4	2.79 J	6.29 J	19.3 J	11.2	14.9	6.56 J
Acetone	58	3.28 J	3.42	2.24 J	3.52 J	7.48 J	7.36	20.8	8.17
Acrolein (propenal)	NE	1.15 UJ	1.15 U	1.15 U	1.15 U	0.537 J	0.433 J	2.29 U	2.29 U
Allyl chloride (Chloropropene,3-)	NE	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	1.25 U	1.25 U
Benzothiophene	NE	2.74 UJ	2.74 U	2.74 U	2.74 U	2.74 U	1.26 J	5.49 U	5.49 U
Bromodichloromethane	NE	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.15 J	2.68 U
Bromoform	NE	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	4.14 U	4.14 U
Bromomethane	0.9	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	1.55 U	1.55 U
1,3-Butadiene	NE	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.885 U	0.885 U
Butane	NE	0.197 J	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.951 U	0.951 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 UJ	0.606 U	0.606 U	0.606 U	0.2 J	0.221 J	1.21 U	1.21 U
Carbon disulfide	NE	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	1.24 U	1.24 U
Carbon tetrachloride	1	1.26 UJ	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	2.52 U	2.52 U
Chlorobenzene	0.25	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	1.84 U	1.84 U
Chloroethane	0.4	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	1.06 U	1.06 U
Chloroform	0.5	1.02	0.952 J	1	1.5	1.56	4.11	37.9	29.6
Chloromethane	4.6	0.413 UJ	0.413 U	0.413 U	0.413 UJ	1.06 J	0.617	0.826 U	0.826 U
2-Chlorotoluene	NE	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	2.07 U	2.07 U
Cryofluorane (Freon-114)	1.3	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U
Cyclohexane	3	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	1.38 U	1.38 U
n-Decane	3.6	0.343 J	1.16 U	1.16 U	3.43 J	1.82 J	2.99	2.33 U	2.33 U
Dibromochloromethane	NE	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.41 U	3.41 U
1,2-Dibromoethane	0.25	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	3.07 U	3.07 U
1,2-Dichlorobenzene	0.9	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
1,3-Dichlorobenzene	0.7	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
1,4-Dichlorobenzene	0.8	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	0.366 J	0.989 U	0.895 J	0.831 J	0.836 J	0.46 J	11.5	12.3
1,1-Dichloroethane	0.25	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	1.62 U	1.62 U
1,2-Dichloroethane	0.25	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	1.62 U	1.62 U
1,1-Dichloroethene	0.25	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U
cis-1,2-Dichloroethene	0.25	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U
trans-1,2-Dichloroethene	NE	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	1.58 U	1.58 U
1,2-Dichloropropane	0.25	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	1.85 U	1.85 U
cis-1,3-Dichloropropene	0.25	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	1.82 U	1.82 U
trans-1,3-Dichloropropene	0.25	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	1.82 U	1.82 U
1,4-Dioxane	NE	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	1.44 U	1.44 U
n-Dodecane	7.6	1.96 J	2.5 J	1.18 J	7.8 J	2.71 J	11	11.3	4.1 J
Ethanol	220	1.88 UJ	1.88 U	1.88 U	1.33 J	1.65 J	6.12	9.91	2.88 J
2-Ethylthiophene	NE	0.918 UJ	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	1.84 U	1.84 U
p-Ethyltoluene	NE	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U
n-Heptane	5.1	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.64 U	1.64 U
Hexachlorobutadiene	7	2.13 UJ	2.13 UJ	2.13 U	2.13 U	2.13 U	2.13 U	4.27 U	4.27 U
n-Hexane	3.6	0.705 UJ	0.705 U	0.705 U	0.705 U	0.705 U	0.211 J	1.41 U	1.41 U
2-Hexanone	NE	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.262 J	1.64 U	1.64 U
Indane	NE	0.967 UJ	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	1.93 U	1.93 U
Indene	NE	0.951 UJ	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	1.9 U	1.9 U

Table 2-1
Analytical Soil Vapor Results
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Val	Val	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val
Sample Name:		OZSV-02	OZDUP-23	OZSV-02	OZSV-02	OZDUP-24	OZSV-02	OZSV-03	OZSV-03
Sample Date:		3/27/2013	3/27/2013	4/29/2013	5/28/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012
Parent Sample Code:			OZSV-02			OZ SV-02			
2-Butanone (Methyl ethyl ketone)	17	0.15 J	0.162 J	0.236 J	0.378 J	1.16 J	1.22	4.92	0.672 J
Methyl tert-butyl ether	5.9	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	1.44 U	1.44 U
4-Methyl-2-pentanone	2.9	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.64 U	1.64 U
Methylene chloride	2.9	1.05 J	3.47 U	3.47 U	2.01 J	1.34 J	2.52 J	3.86 J	3.36 J
1-Methylnaphthalene	NE	5.82 UJ	5.82 U	5.82 U	5.82 U	5.82 U	3.62 J	11.6 U	11.6 UJ
2-Methylnaphthalene	NE	5.82 UJ	5.82 U	5.82 U	5.82 U	5.82 U	3.83 J	11.6 U	11.6 U
2-Methylthiophene	NE	0.803 UJ	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	1.61 U	1.61 U
3-Methylthiophene	NE	0.803 UJ	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	1.61 U	1.61 U
Naphthalene	10	1.05 UJ	1.05 U	1.05 U	1.05 U	1.05 U	1.25	2.1 U	2.1 U
Nonane	1.2	1.05 UJ	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	2.1 U	2.1 U
n-Octane	2.1	0.934 UJ	0.934 U	0.934 U	0.308 J	0.234 J	0.509 J	1.87 U	1.87 U
Pentane	NE	0.59 UJ	0.59 U	0.59 U	0.189 J	0.59 U	0.59 U	1.18 U	1.18 U
2-Propanol (Isopropyl Alcohol)	NE	0.401 J	1.23 U	0.354 J	1.23 U	1.23 U	1.23 U	1.99 J	2.23 J
Styrene	0.6	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	1.7 U	1.7 U
1,1,2,2-Tetrachloroethane	0.25	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	2.75 U	2.75 U
Tetrachloroethene	1.6	2.1 J	2.03	2.33	4.31	4.5	5.25	21.4	19.4
1,2,4,5-Tetramethylbenzene	NE	2.74 UJ	2.74 U	1.1 U	1.1 U	1.1 U	2.74 U	5.49 U	5.49 U
Thiophene	NE	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	1.38 U	1.38 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	3.06 U	3.06 U
1,2,4-Trichlorobenzene	4.8	1.48 UJ	1.48 UJ	1.48 U	1.48 U	1.48 U	0.95 J	2.97 U	2.97 U
1,1,1-Trichloroethane	0.7	0.426 J	0.436 J	0.671 J	0.797 J	0.878 J	0.496 J	2.18 U	2.18 U
1,1,2-Trichloroethane	0.25	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	2.18 U	2.18 U
Trichloroethene	0.5	1.07 UJ	1.07 U	1.07 U	1.07 U	1.07 U	0.855 J	2.15 U	2.15 U
Trichlorofluoromethane	6.1	0.573 J	0.573 J	0.68 J	0.781 J	0.77 J	1.69	0.978 J	1.14 J
1,2,3-Trimethylbenzene	0.6	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U
1,2,4-Trimethylbenzene	2.5	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U
1,3,5-Trimethylbenzene	1	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.97 U	1.97 U
2,2,4-Trimethylpentane	2	0.934 UJ	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	1.87 U	1.87 U
n-Undecane	2.3	1.83 J	1.64	1.28 U	0.358 J	1.28 U	0.543 J	2.08 J	0.933 J
Vinyl bromide	NE	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	1.75 U	1.75 U
Vinyl chloride	0.25	0.511 UJ	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	1.02 U	1.02 U
Other (%)									
Helium	NE	NA	NA	0.014 U	NA	NA	NA	NA	NA

Table 2-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name:		OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03
Sample Date:		9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013
Parent Sample Code:									
BTEX (µg/m³)									
Benzene	5.8	0.434 J	1.28 U	0.639 U	1.28 U	1.28 U	1.28 U	0.639 U	0.639 U
Toluene	21	1.34 J	0.791 J	0.754 U	1.51 U	1.51 U	1.51 U	0.754 U	0.754 U
Ethylbenzene	1.9	1.74 U	1.74 U	0.869 U	1.74 U	1.74 U	1.74 U	0.869 U	0.869 U
o-Xylene	2.5	1.74 U	1.74 U	0.869 U	1.74 U	1.74 U	1.74 U	0.869 U	0.869 U
m,p-Xylene	3.1	3.47 U	3.47 U	1.74 U	3.47 U	3.47 U	3.47 U	1.74 U	1.74 U
Other VOCs (µg/m³)									
Acetaldehyde	NE	8.02 J	6.11 J	1.46 J	2.31 J	2.36 J	2.85 J	2.45 J	3.42 J
Acetone	58	7.67	5.44	1.35 J	2.4 J	4.75 U	1.89 J	2.31 J	3.44
Acrolein (propenal)	NE	2.29 U	2.29 U	1.15 U	2.29 U	2.29 U	2.29 U	1.15 U	1.15 U
Allyl chloride (Chloropropene,3-)	NE	1.25 U	1.25 U	0.626 U	1.25 U	1.25 U	1.25 U	0.626 U	0.626 U
Benzothiophene	NE	5.49 U	5.49 U	1.1 U	5.49 U	5.49 U	5.49 U	2.74 U	2.74 U
Bromodichloromethane	NE	2.68 U	2.68 U	1.34 U	2.68 U	2.68 U	2.68 U	1.34 U	1.34 U
Bromoform	NE	4.14 U	4.14 U	2.07 U	4.14 U	4.14 U	4.14 U	2.07 U	2.07 U
Bromomethane	0.9	1.55 U	1.55 U	0.777 U	1.55 U	1.55 U	1.55 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.885 U	0.885 U	0.442 U	0.885 U	0.885 U	0.885 U	0.442 U	0.442 U
Butane	NE	0.418 J	0.951 U	0.29 J	0.247 J	0.338 J	0.951 U	0.475 U	0.307 J
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	1.21 U	1.21 U	0.606 U	1.21 U	1.21 U	1.21 U	0.606 U	0.606 U
Carbon disulfide	NE	0.274 JB	0.828 JB	0.623 U	1.25 U	1.25 U	1.25 U	0.623 U	0.109 J
Carbon tetrachloride	1	2.52 U	2.52 U	1.26 UJ	2.52 U	2.52 U	2.52 U	1.26 U	1.26 U
Chlorobenzene	0.25	1.84 U	1.84 U	0.921 U	1.84 U	1.84 U	1.84 U	0.921 U	0.921 U
Chloroethane	0.4	1.06 U	1.06 U	0.528 U	1.06 U	1.06 U	1.06 U	0.528 U	0.528 U
Chloroform	0.5	22.6	13.3	5.81	4.19	2.67	1.65 J	2.31	3.68
Chloromethane	4.6	0.574 J	0.826 U	0.413 U	0.826 U	0.826 U	0.826 U	0.413 U	0.413 U
2-Chlorotoluene	NE	2.07 U	2.07 U	1.04 U	2.07 U	2.07 U	2.07 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U
Cyclohexane	3	1.38 U	1.38 U	0.688 U	1.38 U	1.38 U	1.38 U	0.688 U	0.688 U
n-Decane	3.6	2.33 U	0.687 J	1.16 U	2.33 U	0.966 J	2.33 U	1.16 U	1.16 U
Dibromochloromethane	NE	3.41 U	3.41 U	1.7 U	3.41 U	3.41 U	3.41 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	3.07 U	3.07 U	1.54 U	3.07 U	3.07 U	3.07 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	2.4 U	46.4	1.2 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	2.4 U	4.46	1.2 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	7.37	8.26	4.65	5.69	10.3 J	4.5	3.44	8.51
1,1-Dichloroethane	0.25	1.62 U	1.62 U	0.809 U	1.62 U	1.62 U	1.62 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	1.62 U	1.62 U	0.809 U	1.62 U	1.62 U	1.62 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	1.58 U	1.58 U	0.793 U	1.59 U	1.59 U	1.59 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	1.58 U	1.58 U	0.793 U	1.59 U	1.59 U	1.59 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	1.58 U	1.58 U	0.793 U	1.59 U	1.59 U	1.59 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	1.85 U	1.85 U	0.924 U	1.85 U	1.85 U	1.85 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	1.82 U	1.82 U	0.908 U	1.82 U	1.82 U	1.82 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	1.82 U	1.82 U	0.908 U	1.82 U	1.82 U	1.82 U	0.908 U	0.908 U
1,4-Dioxane	NE	1.44 U	1.44 U	0.721 U	1.44 U	1.44 U	1.44 U	0.721 U	0.721 U
n-Dodecane	7.6	1.68 J	9.89	1.39 U	2.79 U	2.79 U	2.79 U	3.48 U	14.2
Ethanol	220	3.77 U	3.77 U	1.88 U	3.77 U	3.77 U	3.77 U	1.88 U	1.44 J
2-Ethylthiophene	NE	1.84 U	1.84 U	0.918 U	1.84 U	1.84 U	1.84 U	0.918 U	0.918 U
p-Ethyltoluene	NE	1.97 U	1.97 U	0.983 U	1.97 U	1.97 U	1.97 U	0.983 U	0.983 U
n-Heptane	5.1	1.64 U	1.64 U	0.82 U	1.64 U	1.64 U	1.64 U	0.82 U	0.82 U
Hexachlorobutadiene	7	4.27 U	4.27 U	2.13 UJ	4.27 U	4.27 U	4.27 U	2.13 UJ	2.13 U
n-Hexane	3.6	1.41 U	1.41 U	0.705 U	1.41 U	1.41 U	1.41 U	0.705 U	0.705 U
2-Hexanone	NE	1.64 U	1.64 U	0.82 U	1.64 U	1.64 U	1.64 U	0.82 U	0.361 J
Indane	NE	1.93 U	1.93 U	0.967 U	1.93 U	1.93 U	1.93 U	0.967 U	0.967 U
Indene	NE	1.9 U	1.9 U	0.951 U	1.9 U	1.9 U	1.9 U	0.951 U	0.951 U

Table 2-1
Analytical Soil Vapor Results
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name:		OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03	OZSV-03
Sample Date:		9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013
Parent Sample Code:									
2-Butanone (Methyl ethyl ketone)	17	1.23	1.36 B	0.59 U	1.18 U	1.18 U	1.18 U	0.212 J	1.11
Methyl tert-butyl ether	5.9	1.44 U	1.44 U	0.721 U	1.44 U	1.44 U	1.44 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	1.64 U	1.64 U	0.82 U	1.64 U	1.64 U	1.64 U	0.82 U	0.82 U
Methylene chloride	2.9	6.95 U	6.95 U	1.88 J	2.31 J	1.79 J	6.95 U	3.47 U	3.47 U
1-Methylnaphthalene	NE	11.6 U	11.6 U	5.82 U	11.6 U	11.6 U	11.6 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	11.6 U	4.15 J	5.82 U	11.6 U	11.6 U	11.6 U	5.82 U	5.82 U
2-Methylthiophene	NE	1.61 U	1.61 U	0.803 U	1.61 U	1.61 U	1.61 U	0.803 U	0.803 U
3-Methylthiophene	NE	1.61 U	1.61 U	0.803 U	1.61 U	1.61 U	1.61 U	0.803 U	0.803 U
Naphthalene	10	2.1 U	0.986 J	1.05 U	2.1 U	2.1 U	2.1 U	1.05 U	1.05 U
Nonane	1.2	2.1 U	2.1 U	1.05 U	2.1 U	2.1 U	2.1 U	1.05 U	0.336 J
n-Octane	2.1	1.87 U	1.87 U	0.934 U	1.87 U	1.87 U	1.87 U	0.934 U	0.934 U
Pentane	NE	1.18 U	1.18 U	0.266 J	1.18 U	1.18 U	1.18 U	0.59 U	0.227 J
2-Propanol (Isopropyl Alcohol)	NE	2.46 U	2.46 U	1.23 U	0.949 J	2.46 U	2.46 U	1.23 U	0.794 J
Styrene	0.6	1.7 U	1.7 U	0.852 U	1.7 U	1.7 U	1.7 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	2.75 U	2.75 U	1.37 U	2.75 U	2.75 U	2.75 U	1.37 U	1.37 U
Tetrachloroethene	1.6	11	8.82	5.48	4.06	2.77	2.82	3.71	4.72
1,2,4,5-Tetramethylbenzene	NE	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.74 U	1.1 U
Thiophene	NE	1.38 U	1.38 U	0.688 U	1.38 U	1.38 U	1.38 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	3.06 U	3.06 U	1.53 U	3.07 U	3.07 U	3.07 U	1.53 U	1.53 U
1,2,4-Trichlorobenzene	4.8	2.97 U	5.48	1.48 U	2.97 U	2.97 U	2.97 U	1.48 UJ	1.48 U
1,1,1-Trichloroethane	0.7	2.18 U	2.18 U	1.09 U	2.18 U	2.18 U	2.18 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	2.18 U	2.18 U	1.09 U	2.18 U	2.18 U	2.18 U	1.09 U	1.09 U
Trichloroethene	0.5	2.15 U	2.15 U	1.07 U	2.15 U	2.15 U	2.15 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.12 J	0.978 J	0.573 J	0.618 J	0.899 J	0.528 J	0.596 J	0.837 J
1,2,3-Trimethylbenzene	0.6	1.97 U	1.97 U	0.983 U	1.97 U	1.97 U	1.97 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	1.97 U	1.97 U	0.983 U	1.97 U	1.97 U	1.97 U	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	1.97 U	1.97 U	0.983 U	1.97 U	1.97 U	1.97 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	1.87 U	1.87 U	0.934 U	1.87 U	0.887 J	1.87 U	0.934 U	0.934 U
n-Undecane	2.3	0.69 J	3.41	1.28 U	2.56 U	2.56 U	2.56 U	1.28 U	0.786 J
Vinyl bromide	NE	1.75 U	1.75 U	0.874 U	1.75 U	1.75 U	1.75 U	0.874 U	0.874 U
Vinyl chloride	0.25	1.02 U	1.02 U	0.511 U	1.02 U	1.02 U	1.02 U	0.511 U	0.511 U
Other (%)									
Helium	NE	0.164	NA	0.019 U	NA	NA	0.016 U	NA	NA

Table 2-1
Analytical Soil Vapor Results
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Validation Level:	NYSDOH Background	Val	Red. Val.
Sample Name:	Outdoor Air 95th	OZSV-03	OZSV-03
Sample Date:	Percentile ¹	5/28/2013	6/25/2013
Parent Sample Code:			
BTEX ($\mu\text{g}/\text{m}^3$)			
Benzene	5.8	0.639 U	0.639 U
Toluene	21	0.32 J	0.693 J
Ethylbenzene	1.9	0.869 U	0.869 U
o-Xylene	2.5	0.869 U	0.869 U
m,p-Xylene	3.1	1.74 U	1.74 U
Other VOCs ($\mu\text{g}/\text{m}^3$)			
Acetaldehyde	NE	9.66 J	8.68
Acetone	58	3.9	4.23
Acrolein (propenal)	NE	1.15 U	1.15 U
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U
Benzo thiophene	NE	2.74 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U
Butane	NE	0.14 J	0.475 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U
Carbon disulfide	NE	0.623 U	0.623 U
Carbon tetrachloride	1	1.26 U	1.26 U
Chlorobenzene	0.25	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U
Chloroform	0.5	6.15	12.7
Chloromethane	4.6	0.225 J	0.396 J
2-Chlorotoluene	NE	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U
Cyclohexane	3	0.688 U	0.688 U
n-Decane	3.6	2.46	4.43
Dibromochloromethane	NE	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U
Dichlorodifluoromethane	11	8.41	5.39
1,1-Dichloroethane	0.25	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U
n-Dodecane	7.6	4.95	15.2
Ethanol	220	1.85 J	3.13
2-Ethylthiophene	NE	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U
n-Heptane	5.1	0.82 U	0.82 U
Hexachlorobutadiene	7	2.13 U	2.13 U
n-Hexane	3.6	0.705 U	0.705 U
2-Hexanone	NE	0.82 U	0.82 U
Indane	NE	0.967 U	0.967 U
Indene	NE	0.951 U	0.951 U

Table 2-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background	Val	Red. Val.
Sample Name:	Outdoor Air 95th	OZSV-03	OZSV-03
Sample Date:	Percentile ¹	5/28/2013	6/25/2013
Parent Sample Code:			
2-Butanone (Methyl ethyl ketone)	17	0.51 J	0.605
Methyl tert-butyl ether	5.9	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U
Methylene chloride	2.9	4.59	1.86 J
1-Methylnaphthalene	NE	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U
Naphthalene	10	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U
n-Octane	2.1	0.252 J	0.252 J
Pentane	NE	0.221 J	0.59 U
2-Propanol (Isopropyl Alcohol)	NE	1.23 U	1.23 U
Styrene	0.6	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U
Tetrachloroethene	1.6	6.3	11
1,2,4,5-Tetramethylbenzene	NE	1.1 U	2.74 U
Thiophene	NE	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	1.53 U	1.53 U
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U
Trichlorofluoromethane	6.1	0.849 J	1.23
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.934 U	0.934 U
n-Undecane	2.3	1.28 U	1.18 J
Vinyl bromide	NE	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U
Other (%)			
Helium	NE	0.019 U	NA

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA6	OZAA6	OZAA6	OZAA6	OZAA6	OZAA6	OZAA-6	OZAA-6	OZAA-6	OZAA-6
Sample Date:		7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013
BTEX (µg/m³)											
Benzene	5.8	0.22 J	0.521 J	0.259 J	0.297 J	1.11	0.767	0.492 J	0.591 J	0.383 J	0.348 J
Toluene	21	0.742 J	1.94	0.384 J	0.501 J	1.6	0.976	0.43 J	0.682 J	0.452 J	0.558 J
Ethylbenzene	1.9	0.869 U	0.395 J	0.869 U	0.869 U	0.291 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
o-Xylene	2.5	0.869 U	0.508 J	0.869 U	0.869 U	0.313 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
m,p-Xylene	3.1	1.74 U	1.41 J	1.74 U	1.74 U	0.886 J	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Other VOCs (µg/m³)											
Acetaldehyde	NE	15.9	6.83	10.5	8.18	2.45 J	5.26	2.83 J	6.99	8.58	4.45 J
Acetone	58	16.4	5.56	6.27	5.56	3.44	3.92	3.75	4.35	3.21	5.51
Acrolein (propenal)	NE	0.277 J	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzothiophene	NE	2.74 U	2.74 U	2.74 U	2.74 U	1.1 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
Butane	NE	1.55	0.373 J	0.628	0.882	2.85	2.08	1.26	1.73	1.01	0.692
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U
Carbon disulfide	NE	0.623 U	0.258 JB	0.121 JB	0.741 B	0.623 U	0.249 JB	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	1	0.396 J	0.415 J	0.409 J	0.384 J	0.541 J	0.415 J	0.478 J	0.359 J	0.365 J	0.377 J
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	4.6	1.32	0.787	0.898	1.01	0.836	1.08	1.18	1.02	1.18	1.22
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.688 U	0.406 J	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
n-Decane	3.6	0.728 J	1 J	1.16 U	0.396 J	0.512 J	1.16 U	1.16 U	1.16 U	1.16 U	1.16 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	2.57	1.98	1.32	1.23	2.03	2.32	2.8	2.09	1.66	2.33
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
n-Dodecane	7.6	0.829 J	0.752 J	1.39 U	0.641 J	1.39 U	1.39 U	1.39 U	1.39 U	3.48 U	1.39 U
Ethanol	220	4.9	6.5	1.62 J	2.07	5.43	5.16	1.4 J	2.19	1.72 J	2.22
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
n-Heptane	5.1	0.82 U	0.635 J	0.82 U	0.82 U	0.484 J	0.27 J	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
n-Hexane	3.6	0.705 U	1.16	0.705 U	0.384 J	0.811	0.564 J	0.705 U	0.338 J	0.215 J	0.226 J
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.951 U	0.951 U	0.951 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA6	OZAA6	OZAA6	OZAA6	OZAA6	OZAA6	OZAA6	OZAA-6	OZAA-6	OZAA-6
Sample Date:		7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013
2-Butanone (Methyl ethyl ketone)	17	1.64	0.661	1.08	0.961 B	0.498 J	0.799	0.363 J	0.908	0.605	0.487 J
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	2.05 J	2.03 JB	0.917 J	5.35	2.08 J	4.34	1.45 J	2.07 J	3.23 J	1.12 J
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
Naphthalene	10	0.409 J	0.414 J	1.05 U	1.05 U	0.351 J	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
n-Octane	2.1	0.934 U	0.467 J	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
Pentane	NE	0.685	1.4	0.57 J	0.726	1.54	1.21	0.493 J	0.691	0.525 J	0.54 J
2-Propanol (Isopropyl Alcohol)	NE	0.45 J	1.23 U	1.23 U	1.23 U	0.777 J	0.622 J	1.23 U	0.558 J	0.238 J	1.23 U
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
1,2,4,5-Tetramethylbenzene	NE	2.74 U	2.74 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.74 U	1.1 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.552 J	0.468 J	0.452 J	0.506 J	0.46 J	0.514 J	0.529 J	0.514 J	0.521 J	1.53 U
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.43	1.11 J	1.17	1.14	1.31	1.22	1.6	1.12	1.3	1.16
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.668 J	0.983 U	0.983 U	0.61 J	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.934 U	1.14	0.934 U	0.369 J	0.775 J	0.346 J	0.934 U	0.934 U	0.934 U	0.934 U
n-Undecane	2.3	1.28 U	1.28 U	1.28 U	1.28 U	0.435 J	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-6	OZAA-6	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA-7	OZAA-7
Sample Date:		5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	
BTEX ($\mu\text{g}/\text{m}^3$)												
Benzene	5.8	0.425 J	0.434 J	0.256 J	0.422 J	0.454 J	0.358 J	1.35	0.671	0.597 J	0.607 J	
Toluene	21	0.893	0.927	0.626 J	1.7	0.795	0.637 J	1.99	0.822	0.629 J	0.682 J	
Ethylbenzene	1.9	0.869 U	0.869 U	0.869 U	0.352 J	0.869 U	0.869 U	0.347 J	0.869 U	0.869 U	0.869 U	
o-Xylene	2.5	0.869 U	0.869 U	0.869 U	0.447 J	0.869 U	0.869 U	0.456 J	0.869 U	0.869 U	0.869 U	
m,p-Xylene	3.1	1.74 U	1.74 U	1.74 U	1.12 J	1.74 U	1.74 U	1.16 J	1.74 U	1.74 U	1.74 U	
Other VOCs ($\mu\text{g}/\text{m}^3$)												
Acetaldehyde	NE	7.46 J	11.1	13.8	7.66	8.66	10.7	2.92 J	2.32 J	2.49 J	7.44	
Acetone	58	12.5	20.4	11.6	5.72	7.44	5.84	3.97	3.82	3.02	4.3	
Acrolein (propenal)	NE	1.15 U	0.539 J	1.15 U	1.15 U	1.15 U	0.316 J	1.15 U	1.15 U	1.15 U	1.15 U	
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	
Benzothiophene	NE	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	
Butane	NE	1.5	1.38	0.83	0.426 J	1.05	1.18	4.33	1.86	1.5	1.63	
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	
Carbon disulfide	NE	0.623 U	0.623 U	0.623 U	0.24 JB	0.109 JB	0.495 JB	0.623 U	0.121 JB	0.623 U	0.623 U	
Carbon tetrachloride	1	0.497 J	0.352 J	0.44 J	0.484 J	0.415 J	0.396 J	0.497 J	0.409 J	0.497 J	0.365 J	
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	
Chloromethane	4.6	1.27	1.13	0.995	0.925	0.909	1.06	0.898	1.11	1.24	1.08	
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Cyclohexane	3	0.244 J	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	
n-Decane	3.6	1.16 U	0.501 J	0.78 J	1.16 U	1.16 U	0.303 J	2.1	1.16 U	1.16 U	1.16 U	
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorodifluoromethane	11	2.46	1.61	2.1	2.25	1.16	1.55	1.82	2.27	2.95	2.24	
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	
n-Dodecane	7.6	0.362 J	1.09 J	0.864 J	0.738 J	1.39 U	1.39 U	0.829 J	1.39 U	1.39 U	1.39 U	
Ethanol	220	8.08	4.88	9.55	5.58	2.56	2.26	6.75	4.47	1.77 J	2.17	
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	
n-Heptane	5.1	0.82 U	0.348 J	0.82 U	0.553 J	0.82 U	0.82 U	0.594 J	0.82 U	0.82 U	0.82 U	
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	
n-Hexane	3.6	1.3	0.603 J	0.705 U	0.927	0.486 J	0.307 J	1.32	0.469 J	0.705 U	0.391 J	
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	
Indene	NE	0.951 U	0.951 U	0.95 U	0.95 U	0.95 U	0.95 U	0.951 U	0.951 U	0.951 U	0.951 U	

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-6	OZAA-6	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA7	OZAA-7	OZAA-7
Sample Date:		5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	
2-Butanone (Methyl ethyl ketone)	17	1.15	2.01	1.5	0.846	0.997	1.08 B	0.56 J	0.575 J	0.416 J	0.776	
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
Methylene chloride	2.9	53.2	2.55 J	1.18 J	2.98 JB	3.47 U	3.47 U	1.71 J	4.66	2.26 J	4.2	
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	
Naphthalene	10	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.64 J	0.934 U	0.934 U	0.934 U	
Pentane	NE	1.4	1.2	0.558 J	1.15	1.01	0.835	2.66	1.08	0.702	0.708	
2-Propanol (Isopropyl Alcohol)	NE	1.4	0.897 J	0.388 J	1.23 U	1.23 U	1.23 U	0.919 J	0.701 J	0.438 J	0.622 J	
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	
1,2,4,5-Tetramethylbenzene	NE	1.1 U	2.74 U	2.74 U	2.74 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.483 J	0.537 J	0.398 J	0.552 J	0.483 J	0.56 J	0.537 J	0.468 J	0.651 J	0.567 J	
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	
Trichlorofluoromethane	6.1	1.25	1.24	1.12 J	1.16	1.21	1.21	1.34	1.23	1.66	1.2	
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U	0.983 U	0.492 J	0.983 U	0.983 U	0.747 J	0.983 U	0.983 U	0.983 U	
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	
2,2,4-Trimethylpentane	2	0.532 J	0.827 J	0.934 U	0.869 J	0.458 J	0.472 J	0.986	0.934 U	0.934 U	0.934 U	
n-Undecane	2.3	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	0.646 J	1.28 U	1.28 U	1.28 U	
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-7	OZAA-7	OZAA-7	OZAA-7	OZAA8	OZAA8	OZAA8	OZAA8	OZAA8	OZAA8
Sample Date:		3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012
BTEX (µg/m³)											
Benzene	5.8	0.358 J	0.438 J	0.543 J	0.655	0.351 J	2.06	0.256 J	0.316 J	0.847	0.706
Toluene	21	0.452 J	0.81	0.969	1.29	1.16	12.8	0.384 J	0.618 J	1.49	0.991
Ethylbenzene	1.9	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	2.91	0.869 U	0.869 U	0.274 J	0.869 U
o-Xylene	2.5	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	3.87	0.869 U	0.869 U	0.326 J	0.869 U
m,p-Xylene	3.1	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	10.2	1.74 U	1.74 U	0.773 J	1.74 U
Other VOCs (µg/m³)											
Acetaldehyde	NE	5.08	9.26	9.82 J	11.3	5.98	6.12	8.85	10.2	2.59 J	3.98 J
Acetone	58	3.28	5.32	10.4	14.1	14.1	1.17 JB	7.08	5.72	3.44	3.78
Acrolein (propenal)	NE	1.15 U	1.15 U	1.15 U	0.596 J	0.27 J	0.381 J	1.15 U	1.15 U	1.15 U	1.15 U
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzothiophene	NE	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	1.1 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
Butane	NE	1.1	1.18	1.33	1.63	1.07	0.768	0.754	0.922	2.59	2.16
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U
Carbon disulfide	NE	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.193 JB	0.184 JB	0.392 JB	0.623 U	0.118 JB
Carbon tetrachloride	1	0.421 J	0.428 J	0.51 J	0.327 J	0.623 J	0.384 J	0.434 J	0.396 J	0.478 J	0.415 J
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.527 J	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	4.6	1.14	1.23	1.16	1.07	1.23	0.855	1.1	1.04	0.882	1.11
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	2.18	0.688 U	0.688 U	0.688 U	0.688 U
n-Decane	3.6	1.16 U	1.16 U	1.16 U	0.506 J	0.972 J	1.56	1.16 U	0.396 J	0.559 J	1.16 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	1.45	2.28	2.33	1.66	2.61	2.09	1.39	1.42	1.99	2.29
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
n-Dodecane	7.6	3.48 U	1.39 U	1.39 U	0.933 J	0.696 J	1.16 J	1.39 U	0.669 J	1.39 U	1.39 U
Ethanol	220	1.51 J	3.49	5.29	5.75	4.82	40.7	1.84 J	2.2	5.65	4.82
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.25	0.983 U	0.983 U	0.983 U	0.983 U
n-Heptane	5.1	0.82 U	0.82 U	0.303 J	0.406 J	0.262 J	3.7	0.82 U	0.82 U	0.439 J	0.246 J
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
n-Hexane	3.6	0.705 U	0.356 J	0.56 J	0.687 J	0.451 J	6.56	0.705 U	0.705 U	0.726	0.419 J
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.27 J	0.82 U	0.82 U
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.691 J	0.967 U	0.967 U	0.967 U	0.967 U
Indene	NE	0.951 U	0.951 U	0.951 U	0.951 U	0.95 U	0.95 U	0.95 U	0.95 U	0.951 U	0.951 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-7	OZAA-7	OZAA-7	OZAA-7	OZAA8	OZAA8	OZAA8	OZAA8	OZAA8	OZAA8
Sample Date:		3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012	11/29/2012	12/24/2012
2-Butanone (Methyl ethyl ketone)	17	0.413 J	0.693	1.15	1.92	1.36	0.873	1.1	1.16 B	0.528 J	0.637
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	2.94 J	1.67 J	8.65	1.33 J	5.94	2.45 JB	1.07 J	1.22 J	1.96 J	1.5 J
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
Naphthalene	10	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	0.425 J	1.05 U	1.05 U	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.18	1.05 U	1.05 U	1.05 U	1.05 U
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.206 J	0.934 U	2.21	0.934 U	0.934 U	0.934 U	0.934 U
Pentane	NE	0.449 J	0.994	1.1	1.58	0.808	6.49	0.566 J	0.732	1.45	1.2
2-Propanol (Isopropyl Alcohol)	NE	0.224 J	1.23 U	1.23 U	1.23 U	0.664 J	0.622 J	1.23 U	1.23 U	0.769 J	0.509 J
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
1,2,4,5-Tetramethylbenzene	NE	2.74 U	1.1 U	1.1 U	2.74 U	2.74 U	2.74 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.606 J	0.475 J	0.674 J	0.56 J	0.529 J	0.544 J	0.514 J	0.552 J	0.498 J	0.498 J
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.44	1.14	1.28	1.24	1.28	1.08 J	1.28	1.16	1.35	1.25
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.48	0.983 U	0.983 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	5.36	0.983 U	0.983 U	0.536 J	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	1.55	0.983 U	0.983 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.934 U	0.43 J	0.715 J	1.17	0.313 J	7.15	0.934 U	0.397 J	0.691 J	0.36 J
n-Undecane	2.3	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	0.447 J	1.28 U	1.28 U	0.409 J	1.28 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA9	OZAA9	OZAA9	OZAA9
Sample Date:		1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012
BTEX (µg/m³)											
Benzene	5.8	0.489 J	0.61 J	0.38 J	0.294 J	0.444 J	0.371 J	0.319 J	0.348 J	0.303 J	0.393 J
Toluene	21	0.362 J	0.727 J	0.554 J	0.528 J	0.742 J	0.867	0.848	1.02	0.464 J	0.622 J
Ethylbenzene	1.9	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
o-Xylene	2.5	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
m,p-Xylene	3.1	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	0.634 J	1.74 U	1.74 U
Other VOCs (µg/m³)											
Acetaldehyde	NE	7.01	3.04 J	6.61	7.64	5.73 J	14.1	19.8	5.17	9.08	12.2
Acetone	58	1.09 J	5.99	2.78	6.65	10.4	12.8	15.6	6.03	7.13	7.41
Acrolein (propenal)	NE	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	0.569 J	0.342 J	1.15 U	1.15 U	0.28 J
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzothiophene	NE	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
Butane	NE	1.09	2	1.23	0.611	1.29	1.41	1.06	0.316 J	0.827	1.12
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U
Carbon disulfide	NE	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.178 JB	0.115 JB	0.417 JB
Carbon tetrachloride	1	0.541 J	0.371 J	0.44 J	0.484 J	0.409 J	0.346 J	0.484 J	0.428 J	0.396 J	0.352 J
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	4.6	0.977	1.05	1.13	1.26	1.16	1.08	1.09	0.863	1.05	1.07
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.375 J	0.688 U	0.688 U	0.688 U	0.238 J	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
n-Decane	3.6	1.16 U	1.16 U	1.16 U	1.16 U	1.16 U	0.442 J	1.25	1.16 U	1.16 U	0.652 J
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	2.37	2.08	1.45	2.36	2.34	1.8	2.3	2.24	1.6	1.58
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
n-Dodecane	7.6	1.39 U	1.39 U	3.48 U	1.39 U	1.39 U	0.794 J	0.926 J	3.48 U	1.39 U	1.1 J
Ethanol	220	1.88 U	2.05	1.66 J	2.15	5.92	4.79	14.2	2.96	1.88 J	2.18
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
n-Heptane	5.1	0.82 U	0.82 U	0.82 U	0.82 U	0.242 J	0.295 J	0.82 U	0.262 J	0.82 U	0.82 U
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
n-Hexane	3.6	0.705 U	0.345 J	0.705 U	0.183 J	0.814	0.416 J	0.317 J	0.398 J	0.705 U	0.359 J
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.274 J
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U
Indene	NE	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.95 U	0.95 U	0.95 U	0.95 U

Table 2-2
Analytical Ambient Air Results
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA-8	OZAA9	OZAA9	OZAA9	OZAA9
Sample Date:		1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012	9/25/2012	10/26/2012
2-Butanone (Methyl ethyl ketone)	17	0.59 U	0.652	0.422 J	0.643	0.953	2.1	1.88	0.646	1.18	1.14 B
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	1.12 J	3.47 U	1.78 J	3.61	23.8	1.18 J	2.55 J	1.24 JB	3.47 U	2.47 J
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
Naphthalene	10	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.21 J	0.35 J	0.934 U	0.934 U	0.934 U
Pentane	NE	0.413 J	0.814	0.64	0.44 J	1.16	1.14	0.631	0.643	0.679	0.912
2-Propanol (Isopropyl Alcohol)	NE	1.23 U	0.573 J	0.182 J	1.23 U	1.78	1.23 U	0.447 J	0.565 J	1.23 U	0.501 J
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
1,2,4,5-Tetramethylbenzene	NE	1.1 U	1.1 U	2.74 U	1.1 U	1.1 U	2.74 U	2.74 U	2.74 U	1.1 U	1.1 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.475 J	0.468 J	0.606 J	1.53 U	0.521 J	0.537 J	0.475 J	0.468 J	0.697 J	0.567 J
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.25	1.17	1.26	1.27	1.2	1.28	1.12	1.04 J	1.34	1.18
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.934 U	0.934 U	0.934 U	0.934 U	0.458 J	0.766 J	0.934 U	0.364 J	0.934 U	0.411 J
n-Undecane	2.3	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA9	OZAA9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA10	OZAA10
Sample Date:		11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012
BTEX (µg/m³)											
Benzene	5.8	1.12	0.716	0.524 J	0.569 J	0.355 J	0.367 J	0.559 J	0.633 J	0.259 J	0.339 J
Toluene	21	1.65	0.927	0.467 J	0.618 J	0.433 J	0.693 J	1.08	1.42	0.72 J	1.13
Ethylbenzene	1.9	0.295 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
o-Xylene	2.5	0.339 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
m,p-Xylene	3.1	0.877 J	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	0.656 J
Other VOCs (µg/m³)											
Acetaldehyde	NE	3.46 J	2.36 J	8.16	4 J	3.68 J	3.71 J	9.53 J	21.6	14	7.12
Acetone	58	3.82	3.28	3.3	6.44	4.92	5.2	11.2	15.5	16.2	5.18
Acrolein (propenal)	NE	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	0.605 J	0.312 J	1.15 U
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzothiophene	NE	1.1 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
Butane	NE	2.97	2.26	1.4	1.44	1.04	0.894	1.31	1.81	1.1	0.487
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U
Carbon disulfide	NE	0.623 U	0.165 JB	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.181 JB
Carbon tetrachloride	1	0.535 J	0.396 J	0.528 J	0.39 J	0.428 J	0.453 J	0.409 J	0.34 J	0.447 J	0.428 J
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	4.6	0.985	1.09	1.25	1.09	1.14	1.15	1.24	1.14	1.32	0.805
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.688 U	0.282 J	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.496 J	0.688 U	0.688 U
n-Decane	3.6	0.687 J	1.16 U	1.16 U	1.16 U	1.16 U	1.16 U	0.582 J	1.16 U	1.06 J	0.774 J
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	1.89	2.24	3.01	2.13	1.47	2.3	2.26	1.51	2.76	2
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
n-Dodecane	7.6	1.39 U	1.39 U	1.39 U	1.39 U	3.48 U	1.39 U	0.397 J	3.48 U	0.571 J	1.09 J
Ethanol	220	5.9	4.8	1.74 J	1.87 J	1.77 J	2.71	5.99	6.33	13.6	2.92
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
n-Heptane	5.1	0.5 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.262 J	0.344 J	0.82 U	0.254 J
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
n-Hexane	3.6	0.712	0.423 J	0.705 U	0.705 U	0.705 U	0.363 J	0.715	0.578 J	0.705 U	0.511 J
2-Hexanone	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U
Indene	NE	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.95 U	0.95 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report

Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA9	OZAA9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA-9	OZAA10	OZAA10
Sample Date:		11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013	7/24/2012	8/29/2012
2-Butanone (Methyl ethyl ketone)	17	0.64	0.528 J	0.69	0.835	0.366 J	0.419 J	1.19	2.43	1.72	0.752
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	3.51	2.31 J	1.06 J	3.47 U	4.41	1.65 J	12	1.68 J	2.08 J	2.81 JB
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
Naphthalene	10	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
Pentane	NE	1.76	1.07	0.602	0.593	0.496 J	0.82	1.22	1.72	0.537 J	0.776
2-Propanol (Isopropyl Alcohol)	NE	0.816 J	0.578 J	1.23 U	0.59 J	0.438 J	0.364 J	0.575 J	1.23 U	0.455 J	0.558 J
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
1,2,4,5-Tetramethylbenzene	NE	1.1 U	1.1 U	1.1 U	1.1 U	2.74 U	1.1 U	1.1 U	2.74 U	2.74 U	2.74 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.56 J	0.521 J	0.636 J	0.491 J	0.606 J	0.506 J	0.491 J	0.422 J	0.49 J	0.483 J
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.37	1.2	1.7	1.19	1.32	1.17	1.15	1.34	1.39	1.06 J
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.619 J	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.663 J	0.322 J	0.934 U	0.934 U	0.934 U	0.458 J	0.967	0.901 J	0.934 U	0.355 J
n-Undecane	2.3	0.537 J	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 2-2
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA10	OZAA10	OZAA10	OZAA10	OZAA-10	OZAA-10	OZAA-10	OZAA-10	OZAA-10	OZAA-10
Sample Date:		9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013
BTEX (µg/m³)											
Benzene	5.8	0.303 J	0.294 J	0.866	0.642	0.537 J	0.559 J	0.361 J	0.272 J	0.364 J	0.367 J
Toluene	21	0.324 J	0.629 J	1.54	0.844	0.482 J	0.671 J	0.433 J	0.513 J	0.637 J	0.72 J
Ethylbenzene	1.9	0.869 U	0.869 U	0.308 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
o-Xylene	2.5	0.869 U	0.869 U	0.382 J	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
m,p-Xylene	3.1	1.74 U	1.74 U	0.912 J	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Other VOCs (µg/m³)											
Acetaldehyde	NE	11.4	147	3.1 J	4.02 J	4.27 J	6.02	3.57 J	11.7	11 J	18.9
Acetone	58	10.1	21.3	3.49	4.63	2.47	4.66	5.94	5.06	11.5	13.5
Acrolein (propenal)	NE	1.15 U	0.83 J	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	1.15 U	0.697 J
Allyl chloride (Chloropropene,3-)	NE	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzothiophene	NE	2.74 U	2.74 U	1.1 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U	2.74 U
Bromodichloromethane	NE	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NE	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.9	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
1,3-Butadiene	NE	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
Butane	NE	0.751	0.896	2.71	1.73	0.998	1.67	0.846	0.887	1.29	1.28
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	0.606 U	0.255 J	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U
Carbon disulfide	NE	0.134 JB	0.442 JB	0.623 U	0.118 JB	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	1	0.497 J	0.447 J	0.522 J	0.421 J	0.491 J	0.352 J	0.453 J	0.453 J	0.465 J	0.327 J
Chlorobenzene	0.25	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.4	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.5	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	4.6	1.14	1	0.861	0.981	0.913	1.07	1.08	1.21	1.25	1.12
2-Chlorotoluene	NE	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Cryofluorane (Freon-114)	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.441 J	0.688 U	0.688 U
n-Decane	3.6	1.16 U	1.16 U	0.757 J	1.16 U	1.16 U	1.16 U	1.16 U	1.16 U	1.16 U	0.501 J
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-Dibromoethane	0.25	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,3-Dichlorobenzene	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	1.47	1.35	1.7	2.04	2.3	2.23	1.69	2.27	2.48	1.51
1,1-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloroethane	0.25	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
cis-1,2-Dichloroethene	0.25	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,2-Dichloroethene	NE	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2-Dichloropropane	0.25	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
cis-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
trans-1,3-Dichloropropene	0.25	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
1,4-Dioxane	NE	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
n-Dodecane	7.6	1.39 U	1.39 U	1.39 U	1.39 U	1.39 U	1.39 U	3.48 U	1.39 U	1.39 U	1 J
Ethanol	220	1.92	7.69	5.6	4.15	1.24 J	2.26	2.58	2.54	5.13	4.69
2-Ethylthiophene	NE	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U	0.918 U
p-Ethyltoluene	NE	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
n-Heptane	5.1	0.82 U	0.254 J	0.459 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.242 J	0.246 J
Hexachlorobutadiene	7	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
n-Hexane	3.6	0.705 U	0.465 J	0.708	0.381 J	0.705 U	0.493 J	1.24	0.222 J	0.331 J	0.335 J
2-Hexanone	NE	0.82 U	0.34 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indane	NE	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U	0.967 U
Indene	NE	0.95 U	0.95 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U

Table 2-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level:	NYSDOH Background Outdoor Air 95th Percentile ¹	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name:		OZAA10	OZAA10	OZAA10	OZAA10	OZAA-10	OZAA-10	OZAA-10	OZAA-10	OZAA-10	OZAA-10
Sample Date:		9/25/2012	10/26/2012	11/29/2012	12/24/2012	1/23/2013	2/25/2013	3/27/2013	4/29/2013	5/28/2013	6/25/2013
2-Butanone (Methyl ethyl ketone)	17	1.24	3.83	0.522 J	0.596	0.351 J	0.917	0.316 J	0.687	1.2	2.34
Methyl tert-butyl ether	5.9	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
4-Methyl-2-pentanone	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	0.973 J	3.72	1.98 J	2.05 J	3.47 U	6.04	27.4	1.23 J	5.84	1.14 J
1-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylnaphthalene	NE	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U	5.82 U
2-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
3-Methylthiophene	NE	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U	0.803 U
Naphthalene	10	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
Nonane	1.2	1.05 U	1.05 U	0.336 J	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
n-Octane	2.1	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
Pentane	NE	0.552 J	0.835	1.56	0.814	0.437 J	0.764	0.611	0.673	0.98	0.98
2-Propanol (Isopropyl Alcohol)	NE	1.23 U	0.71 J	0.762 J	0.543 J	1.23 U	0.531 J	0.469 J	0.302 J	1.23 U	1.23 U
Styrene	0.6	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
1,1,2,2-Tetrachloroethane	0.25	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
Tetrachloroethene	1.6	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
1,2,4,5-Tetramethylbenzene	NE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.74 U	1.1 U	1.1 U	2.74 U
Thiophene	NE	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	3.6	0.628 J	0.521 J	0.529 J	0.437 J	0.498 J	0.498 J	0.621 J	0.491 J	0.491 J	0.56 J
1,2,4-Trichlorobenzene	4.8	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,1,1-Trichloroethane	0.7	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2-Trichloroethane	0.25	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
Trichloroethene	0.5	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Trichlorofluoromethane	6.1	1.47	1.09 J	1.39	1.06 J	1.24	1.15	1.38	1.21	1.3	1.24
1,2,3-Trimethylbenzene	0.6	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,2,4-Trimethylbenzene	2.5	0.983 U	0.983 U	0.649 J	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3,5-Trimethylbenzene	1	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
2,2,4-Trimethylpentane	2	0.934 U	0.416 J	0.659 J	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.42 J	0.598 J
n-Undecane	2.3	1.28 U	1.28 U	0.537 J	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U
Vinyl bromide	NE	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	0.25	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 2-2
Analytical Ambient Air Results
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Notes:

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

¹ Source: NYSDOH, October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes reported in various locations within sampled homes in NYS, 1997-2003 as presented in Table C1. Background values for naphthalene are from the NYSDOH 1997 Control Home Database as presented in Table C3 of the NYSDOH 2006 Guidance.

Bolding indicates a detected result value

NE - not established

Data qualifiers:

B - Analyte detected in the associated method blank

J - estimated value

U - not detected to the reporting limit shown

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Table 3-1
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-05D	4/1/2013	14:08	23.97	9.81	14.16	
BBMW-13D	4/1/2013	9:27	23.90	9.20	14.70	
BBMW-20I	4/1/2013	9:49	18.63	4.52	14.11	
BBMW-22S	4/1/2013	14:25	20.87	6.64	14.23	
BBMW-22I	4/1/2013	14:28	17.58	6.65	10.93	
BBMW-22D	4/1/2013	14:26	20.77	6.68	14.09	
BBMW-26S	4/4/2013	10:54	24.96	9.19	15.77	
BBMW-26I	4/4/2013	10:56	25.02	9.24	15.78	
BBMW-27S	4/4/2013	11:01	25.03	9.29	15.74	
BBMW-27I	4/4/2013	11:02	25.37	9.60	15.77	
BBMW-34S	4/1/2013	15:19	25.03	10.68	14.35	
BBMW-34I	4/1/2013	15:22	25.24	10.71	14.53	
BBMW-34I2	4/1/2013	15:24	25.05	10.75	14.30	
BBMW-34D	4/1/2013	15:20	25.21	10.61	14.60	
BBMW-35S	4/2/2013	10:47	24.08	10.27	13.81	
BBMW-35I	4/2/2013	10:49	24.17	10.32	13.85	
BBMW-35I2	4/2/2013	10:51	24.10	10.29	13.81	
BBMW-35D	4/2/2013	10:55	24.07	10.25	13.82	
BBMW-38S	4/1/2013	NR	26.14	10.96	15.18	
BBMW-38I	4/1/2013	NR	26.09	10.99	15.10	
BBMW-38I2	4/1/2013	NR	26.16	11.02	15.14	
BBMW-38D	4/1/2013	NR	26.08	11.00	15.08	
BBMW-39S	4/1/2013	15:24	23.99	9.51	14.48	
BBMW-39I	4/1/2013	15:25	24.03	9.59	14.44	
BBMW-39I2	4/1/2013	15:26	23.98	9.62	14.36	
BBMW-39D	4/1/2013	15:27	23.98	9.51	14.47	
BBMW-40S	4/1/2013	15:30	24.76	9.62	15.14	
BBMW-40I	4/1/2013	15:31	24.77	9.74	15.03	
BBMW-40I2	4/1/2013	15:36	24.77	9.77	15.00	
BBMW-40D	4/1/2013	15:33	24.76	9.76	15.00	
BBMW-41S	4/1/2013	15:15	24.28	9.42	14.86	
BBMW-41I	4/1/2013	15:15	24.37	9.51	14.86	
BBMW-41I2	4/1/2013	15:16	24.47	9.67	14.80	
BBMW-41D	4/1/2013	15:17	24.40	9.59	14.81	
MW-03S	4/2/2013	9:24	22.59	7.93	14.66	
MW-03D	4/2/2013	9:25	22.48	7.82	14.66	
MW-05S	4/2/2013	9:35	24.05	9.61	14.44	
MW-05D	4/2/2013	9:37	24.37	9.58	14.79	
MW-09S	4/4/2013	11:07	25.17	9.12	16.05	
MW-09I	4/4/2013	11:08	24.71	8.65	16.06	
MW-09I2	4/4/2013	11:09	25.59	9.59	16.00	
MW-09D	4/4/2013		25.51	9.53	15.98	
OZMW-16S	4/1/2013	11:47	19.88	6.31	13.57	
OZMW-16I	4/1/2013	11:46	19.90	6.25	13.65	
OZMW-16I2	4/1/2013	11:45	19.72	6.10	13.62	
OZMW-16D	4/1/2013	11:44	20.10	6.47	13.63	
OZMW-17S	4/1/2013	11:54	19.83	6.19	13.64	
OZMW-17I	4/1/2013	11:55	19.91	6.27	13.64	
OZMW-17I2	4/1/2013	11:56	19.86	6.27	13.59	
OZMW-17D	4/1/2013	11:57	19.88	6.24	13.64	
OZMW-18S	4/1/2013	12:06	19.56	5.92	13.64	
OZMW-18I	4/1/2013	12:07	19.98	6.02	13.96	
OZMW-18I2	4/1/2013	12:08	19.97	5.91	14.06	
OZMW-18D	4/1/2013	12:09	19.53	5.86	13.67	
OZMW-19S	4/1/2013	13:45	26.11	12.06	14.05	
OZMW-19I	4/1/2013	13:46	26.08	12.09	13.99	
OZMW-19I2	4/1/2013	13:47	26.08	12.31	13.77	
OZMW-19D	4/1/2013	13:48	26.08	12.35	13.73	
OZMW-21S	4/1/2013	14:10	24.38	9.48	14.90	
OZMW-21I	4/1/2013	14:12	24.38	9.87	14.51	
OZMW-21I2	4/1/2013	14:13	24.36	9.85	14.51	
OZMW-21D	4/1/2013	14:14	24.33	9.19	15.14	
OZMW-22RS	4/1/2013	10:32	22.69	8.78	13.91	
OZMW-22RI	4/1/2013	10:33	22.72	8.67	14.05	
OZMW-23S	4/1/2013	13:23	24.33	9.08	15.25	

Table 3-1
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OZMW-23I	4/3/2013	13:24	24.32	9.15	15.17	
OZMW-23I2	4/3/2013	10:27	24.29	10.51	13.78	
OZMW-23D	4/1/2013	10:26	24.28	10.45	13.83	
OZMW-24S	4/1/2013	13:15	20.39	9.12	11.27	
OZMW-24I	4/1/2013	13:16	23.12	9.26	13.86	
OZMW-24I2	4/1/2013	13:17	23.12	9.21	13.91	
OZMW-24D	4/1/2013	13:18	23.10	9.08	14.02	
OZMW-25S	4/1/2013	13:56	24.67	10.61	14.06	
OZMW-25I	4/1/2013	13:57	24.55	10.68	13.87	
OZMW-25I2	4/1/2013	13:57	24.61	10.75	13.86	
OZMW-25D	4/1/2013	13:58	24.82	10.89	13.93	
OZMW-26S	4/1/2013	13:34	24.59	10.40	14.19	
OZMW-26I	4/1/2013	13:35	24.60	10.31	14.29	
OZMW-26I2	4/1/2013	13:36	24.60	10.35	14.25	
OZMW-26D	4/1/2013	13:37	24.60	NM	NC	

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04
BBMW-05D	64.0 - 74.0	NC	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70	14.15	15.83	13.54
BBMW-05D2	126.5 - 136.5	NC	NC	14.00	13.82	12.30	14.72	15.54	15.07	14.51	15.10	16.23	14.38
BBMW-05D2R	127.0 - 137.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-13D	62.0 - 72.0	NC	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09	14.52	16.29	13.91
BBMW-20S	4.0 - 14.0	NC	NC	NC	12.59	11.28	13.21	13.72	13.56	12.71	13.13	14.59	12.56
BBMW-20I	35.0 - 45.0	NC	NC	NC	12.52	11.22	13.14	13.64	13.48	12.64	13.04	14.51	12.50
BBMW-20D	62.0 - 72.0	NC	NC	NC	12.62	11.32	13.25	13.76	13.62	12.93	13.33	14.80	12.76
BBMW-22S	5.0 - 10.0	NC	NC	13.26	13.34	12.01	13.99	14.52	14.35	13.51	13.92	15.54	13.34
BBMW-22I	30.0 - 40.0	NC	NC	13.26	13.34	12.02	14.01	14.52	14.36	13.42	13.94	15.52	13.33
BBMW-22D	64.0 - 74.0	NC	NC	13.26	13.34	12.01	14.01	14.55	14.37	13.61	13.98	15.52	13.37
BBMW-26S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-26I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-27S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-27I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 - 13.0	13.81	14.02	13.72	14.51	12.45	14.60	15.10	15.11	14.07	14.49	16.23	13.87
MW-03D	35.0 - 45.0	13.77	14.01	13.72	14.48	12.44	14.59	15.09	15.08	14.06	14.49	16.22	13.87
MW-05S	4.0 - 14.0	17.61	13.75	13.45	13.50	12.16	14.19	14.72	14.55	13.69	14.15	15.83	13.54
MW-05D	35.5 - 45.5	18.51	14.71	14.41	14.51	13.16	15.21	15.73	15.52	14.70	15.15	15.81	13.55
MW-09S	4.0 - 14.0	15.24	15.34	NC	15.08	13.55	15.67	16.50	16.55	15.54	15.88	17.44	15.26
MW-09I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07
BBMW-05D	64.0 - 74.0	13.99	14.66	14.55	13.32	15.08	14.95	14.46	14.19	14.63	14.51	14.91	14.23
BBMW-05D2	126.5 - 136.5	15.10	15.66	15.62	13.64	16.27	16.22	15.38	14.51	15.61	15.81	16.19	14.44
BBMW-05D2R	127.0 - 137.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-13D	62.0 - 72.0	14.37	15.04	14.86	13.71	15.45	15.33	14.83	14.54	14.99	14.93	15.32	14.55
BBMW-20S	4.0 - 14.0	13.00	13.66	13.54	12.35	14.08	13.93	13.45	13.17	13.64	13.55	NC	NC
BBMW-20I	35.0 - 45.0	12.92	12.68	13.46	12.63	14.34	14.20	13.73	13.42	13.90	13.79	NC	NC
BBMW-20D	62.0 - 72.0	13.20	13.83	NC	13.00	14.70	14.55	14.10	13.78	14.28	14.20	NC	NC
BBMW-22S	5.0 - 10.0	13.79	14.44	14.34	13.13	14.93	14.75	14.26	13.97	14.43	14.34	14.73	14.08
BBMW-22I	30.0 - 40.0	13.78	14.43	14.33	13.12	14.88	14.74	14.26	13.97	14.43	14.34	14.72	14.08
BBMW-22D	64.0 - 74.0	13.83	14.42	14.36	13.16	14.96	14.76	14.27	13.98	14.49	14.41	14.46	13.70
BBMW-26S	6.0 - 16.0	NC	16.11	16.09	14.74	16.60	16.49	15.98	15.72	16.11	16.07	16.46	15.67
BBMW-26I	30.0 - 40.0	NC	16.12	16.10	14.79	16.62	16.50	15.98	15.72	16.10	16.08	16.46	15.63
BBMW-27S	5.0 - 15.0	NC	16.10	16.08	14.73	16.59	16.47	15.98	NC	16.04	16.02	16.42	15.67
BBMW-27I	30.0 - 40.0	NC	16.14	16.11	14.78	16.62	16.50	16.00	NC	16.07	16.05	16.44	15.70
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 - 13.0	14.33	15.01	14.88	13.64	15.42	15.30	14.80	14.51	14.98	14.88	15.29	14.52
MW-03D	35.0 - 45.0	14.33	15.00	14.89	13.65	15.41	15.27	14.80	14.50	14.94	14.89	15.28	14.51
MW-05S	4.0 - 14.0	13.99	14.66	14.54	13.32	14.06	14.96	14.46	14.17	14.63	14.53	14.93	14.23
MW-05D	35.5 - 45.5	14.00	14.66	14.55	13.32	15.08	14.95	14.45	14.18	14.65	14.56	14.95	14.24
MW-09S	4.0 - 14.0	15.74	16.41	16.40	15.03	16.89	16.79	16.29	NC	16.34	16.33	16.75	15.96
MW-09I	30.0 - 40.0	NC	16.37	16.37	15.02	16.85	16.77	16.28	NC	16.34	16.32	16.72	15.94
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10
BBMW-05D	64.0 - 74.0	13.41	14.27	15.01	14.01	14.54	14.60	14.91	14.82	13.69	14.70	16.40	13.63
BBMW-05D2	126.5 - 136.5	14.18	15.07	15.81	14.01	15.33	15.66	14.75	15.61	NC	NC	NC	NC
BBMW-05D2R	127.0 - 137.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-13D	62.0 - 72.0	13.66	14.63	15.25	14.09	14.76	14.86	15.12	15.01	14.14	15.24	16.52	14.17
BBMW-20S	4.0 - 14.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-20I	35.0 - 45.0	NC	13.91	NC	NC	14.21	NC	NC	NC	NC	NC	14.42	11.72
BBMW-20D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-22S	5.0 - 10.0	13.26	13.86	14.63	13.80	14.41	14.46	14.72	14.68	11.07	14.78	16.50	13.75
BBMW-22I	30.0 - 40.0	13.27	14.11	14.82	13.80	14.40	14.45	14.75	14.69	7.82	11.46	13.17	10.42
BBMW-22D	64.0 - 74.0	12.89	14.10	14.82	13.68	14.31	14.42	14.75	14.66	10.92	14.78	16.43	13.71
BBMW-26S	6.0 - 16.0	14.74	15.63	16.38	15.19	15.82	16.04	16.22	16.14	15.27	16.34	17.85	15.34
BBMW-26I	30.0 - 40.0	14.76	15.64	16.37	15.19	15.82	16.09	16.24	16.16	15.27	16.36	17.84	15.34
BBMW-27S	5.0 - 15.0	14.76	15.66	16.38	15.21	15.81	16.02	16.22	16.14	15.29	16.30	17.76	15.34
BBMW-27I	30.0 - 40.0	14.80	15.65	16.33	15.24	15.84	16.04	16.21	16.16	15.30	16.33	17.79	15.34
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	14.27	15.33	16.65	14.21
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.17	15.22	16.79	14.13
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	14.16	15.22	16.61	14.15
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	14.16	15.21	16.79	14.15
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	14.70	15.83	17.32	14.70
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.69	17.22	14.64
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.68	17.25	14.63
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.71	17.22	14.66
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	14.03	15.04	16.58	14.00
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.03	15.03	16.58	14.00
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	14.02	15.01	16.54	13.98
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	14.02	15.03	16.55	14.00
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	14.54	15.66	17.15	14.53
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.55	15.58	17.08	14.55
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	14.52	15.54	17.07	14.52
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	14.55	15.57	17.08	14.55
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	14.29	15.36	16.68	14.29
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.32	15.38	16.82	14.32
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	14.28	15.36	16.93	14.27
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	14.28	15.35	16.89	14.27
MW-03S	3.0 - 13.0	13.64	14.60	15.21	14.05	14.72	14.83	15.10	15.00	14.11	15.21	16.48	14.14
MW-03D	35.0 - 45.0	13.62	14.60	15.21	14.05	14.72	14.81	15.10	14.98	14.11	15.21	16.46	14.13
MW-05S	4.0 - 14.0	13.40	14.24	15.01	13.99	9.51	14.58	14.92	14.82	13.96	14.98	16.74	13.89
MW-05D	35.5 - 45.5	13.42	14.26	14.98	14.00	9.82	14.60	14.91	14.82	14.29	15.29	17.02	14.26
MW-09S	4.0 - 14.0	14.99	15.85	16.63	15.45	16.09	16.35	16.49	16.41	15.52	16.62	18.00	15.59
MW-09I	30.0 - 40.0	15.02	15.90	16.64	15.44	16.07	16.35	16.50	16.45	15.54	16.62	18.02	15.60
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	15.47	16.56	17.96	15.54
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	15.45	16.55	17.94	15.53
OZMW-16S	5.0 - 15.0	NC	NC	NC	13.06	13.76	13.75	14.05	13.99	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	13.07	13.76	13.74	14.06	14.01	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	13.11	13.77	13.75	14.05	14.02	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	13.05	13.81	13.77	14.05	14.02	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10
OZMW-17S	5.0 - 15.0	NC	NC	NC	13.10	13.84	13.67	14.10	14.03	13.19	14.23	15.92	13.19
OZMW-17I	20.0 - 30.0	NC	NC	NC	13.07	13.83	13.75	14.11	14.02	13.18	14.23	15.94	13.19
OZMW-17I2	35.0 - 45.0	NC	NC	NC	13.05	13.79	13.73	14.05	13.99	13.14	14.2	15.91	13.13
OZMW-17D	53.0 - 63.0	NC	NC	NC	13.02	13.80	13.74	14.09	13.99	13.16	14.21	15.86	13.12
OZMW-18S	5.0 - 15.0	NC	NC	NC	12.72	13.76	13.66	14.01	13.95	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	13.38	14.14	14.04	14.36	14.30	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	13.49	14.23	14.14	14.44	14.38	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	12.98	13.76	13.65	13.98	13.92	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.52	13.99
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.37	13.66
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.31	13.62
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.38	13.67
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	13.44	14.15	14.13	14.39	14.38	13.52	NC	NC	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	13.48	14.16	14.14	14.42	14.39	13.51	NC	NC	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	13.46	14.15	14.12	14.39	14.36	13.50	NC	NC	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	13.42	14.12	14.09	14.38	14.32	13.46	NC	NC	NC
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	13.86	14.87	16.66	13.82
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	13.87	14.85	16.63	13.81
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	13.88	14.89	16.64	13.81
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.88	14.89	16.63	13.85
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	13.86	14.87	16.66	13.82
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level										
		Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	13.27	13.95	13.97	13.85	14.43	14.11	13.75	14.16	12.15	14.24	16.40
BBMW-05D2	126.5 - 136.5	NC	NC	NC	NC	NC	NC	NC	NC	12.30	15.02	16.27
BBMW-05D2R	127.0 - 137.0	14.26	14.85	14.77	14.40	15.13	15.30	15.01	NC	14.26	14.82	15.30
BBMW-13D	62.0 - 72.0	13.73	14.46	14.46	14.37	14.20	14.67	14.27	14.70	12.48	14.62	16.52
BBMW-20S	4.0 - 14.0	NC	NC	NC	NC	NC	NC	NC	NC	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	13.17	13.93	13.98	11.21	11.23	14.07	13.71	14.11	11.21	13.27	14.51
BBMW-20D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	13.37	14.04	14.37	13.99	14.17	14.23	13.88	14.23	11.07	14.08	16.50
BBMW-22I	30.0 - 40.0	10.04	10.73	11.06	10.67	11.18	11.32	10.56	10.93	7.82	13.15	15.52
BBMW-22D	64.0 - 74.0	13.18	13.01	12.97	13.80	14.35	14.46	13.72	14.09	10.92	14.00	16.43
BBMW-26S	6.0 - 16.0	14.76	15.43	15.93	15.49	15.73	15.73	15.35	15.77	14.74	15.84	17.85
BBMW-26I	30.0 - 40.0	14.77	15.51	15.93	15.50	15.74	15.73	15.34	15.78	14.76	15.85	17.84
BBMW-27S	5.0 - 15.0	14.77	15.45	15.91	15.19	15.72	15.70	15.33	15.74	14.73	15.83	17.76
BBMW-27I	30.0 - 40.0	14.78	15.48	15.94	15.50	15.75	15.70	15.35	15.77	14.78	15.86	17.79
BBMW-34S	5.0 - 15.0	13.77	14.53	14.85	14.46	14.33	14.69	14.28	14.35	13.77	14.64	16.65
BBMW-34I	25.0 - 30.0	13.75	14.44	14.76	14.37	14.99	14.93	14.51	14.53	13.75	14.72	16.79
BBMW-34I2	40.0 - 45.0	13.51	14.44	14.85	14.36	14.35	14.61	14.27	14.30	13.51	14.57	16.61
BBMW-34D	65.0 - 70.0	13.70	14.45	14.74	14.37	14.32	14.58	14.25	14.60	13.70	14.61	16.79
BBMW-35S	5.0 - 15.0	NC	NC	13.98	13.54	13.79	13.80	13.48	13.81	13.48	13.73	13.98
BBMW-35I	25.0 - 30.0	NC	NC	13.97	13.60	13.90	13.82	13.54	13.85	13.54	13.78	13.97
BBMW-35I2	40.0 - 50.0	NC	NC	13.86	13.56	13.79	13.82	13.49	13.81	13.49	13.72	13.86
BBMW-35D	63.0 - 68.0	NC	NC	13.80	13.56	13.81	13.78	13.52	13.82	13.52	13.72	13.82
BBMW-38S	5.0 - 15.0	14.15	14.98	15.68	14.94	18.72	15.19	14.75	15.18	14.15	15.51	18.72
BBMW-38I	25.0 - 30.0	14.13	14.87	15.16	14.85	18.70	15.17	14.75	15.10	14.13	15.41	18.70
BBMW-38I2	40.0 - 45.0	14.14	14.87	15.19	14.84	18.60	15.09	14.65	15.14	14.14	15.39	18.60
BBMW-38D	65.0 - 70.0	14.13	14.87	15.18	14.83	18.78	15.08	14.65	15.08	14.13	15.40	18.78
BBMW-39S	5.0 - 15.0	13.57	14.27	14.60	14.21	14.49	14.40	14.05	14.48	13.57	14.48	16.58
BBMW-39I	25.0 - 30.0	13.57	14.27	14.61	14.21	14.44	14.41	14.06	14.44	13.57	14.47	16.58
BBMW-39I2	45.0 - 50.0	13.55	14.24	14.58	14.17	14.51	14.37	14.02	14.36	13.55	14.45	16.54
BBMW-39D	65.0 - 70.0	13.57	14.26	14.58	14.71	14.42	14.40	14.05	14.47	13.57	14.51	16.55
BBMW-40S	5.0 - 15.0	14.06	14.74	15.25	14.72	14.97	14.91	14.54	15.14	14.06	15.02	17.15
BBMW-40I	25.0 - 30.0	14.05	14.77	15.14	14.74	15.06	14.96	14.57	15.03	14.05	15.01	17.08
BBMW-40I2	45.0 - 50.0	14.02	14.73	15.09	14.71	14.96	14.96	14.57	15.00	14.02	14.97	17.07
BBMW-40D	70.0 - 75.0	14.05	14.75	15.12	14.73	15.04	14.91	14.58	15.00	14.05	14.99	17.08
BBMW-41S	6.0 - 16.0	13.81	14.57	14.76	14.51	14.68	14.74	14.38	14.86	13.81	14.74	16.68
BBMW-41I	25.0 - 30.0	13.84	14.57	14.95	14.55	14.84	14.77	14.40	14.86	13.84	14.80	16.82
BBMW-41I2	45.0 - 50.0	13.83	14.58	15.10	14.50	14.97	14.75	14.40	14.80	13.83	14.81	16.93
BBMW-41D	65.0 - 70.0	13.82	14.55	14.85	14.49	14.81	14.73	14.37	14.81	13.82	14.77	16.89
MW-03S	3.0 - 13.0	13.69	14.43	14.38	14.34	13.59	14.62	14.24	14.66	12.45	14.56	16.48
MW-03D	35.0 - 45.0	13.67	14.43	14.30	14.34	13.33	14.64	14.25	14.66	12.44	14.54	16.46
MW-05S	4.0 - 14.0	13.53	14.25	14.25	14.16	14.44	14.41	14.04	14.44	9.51	14.25	17.61
MW-05D	35.5 - 45.5	13.88	14.60	14.54	14.49	14.75	14.51	14.38	14.79	9.82	14.59	18.51
MW-09S	4.0 - 14.0	14.99	15.72	16.19	15.77	16.00	16.00	15.60	16.05	13.55	15.98	18.00
MW-09I	30.0 - 40.0	15.00	15.72	16.20	15.76	16.01	16.01	15.62	16.06	15.00	16.12	18.02
MW-09I2	45.0 - 50.0	14.93	15.66	16.13	15.70	15.94	15.92	15.55	16.00	14.93	15.95	17.96
MW-09D	65.0 - 70.0	14.92	15.64	16.11	15.68	15.93	15.91	15.54	15.98	14.92	15.93	17.94
OZMW-16S	5.0 - 15.0	12.86	13.49	13.48	13.43	13.74	13.63	13.29	13.57	12.86	13.53	14.05
OZMW-16I	20.0 - 30.0	12.91	13.50	13.48	13.46	13.80	13.61	13.33	13.65	12.91	13.57	14.06
OZMW-16I2	35.0 - 45.0	12.93	13.48	13.49	13.43	13.65	13.61	13.27	13.62	12.93	13.55	14.05
OZMW-16D	55.0 - 65.0	12.84	13.49	13.53	13.57	14.07	13.64	13.34	13.63	12.84	13.60	14.07

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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level										
		Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
OZMW-17S	5.0 - 15.0	12.86	13.53	13.51	13.23	13.29	13.67	13.34	13.64	12.86	13.67	15.92
OZMW-17I	20.0 - 30.0	12.85	13.51	13.51	12.80	13.71	13.64	13.32	13.64	12.80	13.66	15.94
OZMW-17I2	35.0 - 45.0	12.80	13.46	13.45	12.82	13.17	13.60	13.27	13.59	12.80	13.60	15.91
OZMW-17D	53.0 - 63.0	12.85	13.49	13.50	12.91	13.08	13.62	13.36	13.64	12.85	13.61	15.86
OZMW-18S	5.0 - 15.0	12.74	13.46	13.44	13.26	13.50	13.57	13.24	13.64	12.72	13.46	14.01
OZMW-18I	20.0 - 30.0	13.13	13.78	13.80	13.72	13.87	14.03	13.71	13.96	13.13	13.86	14.36
OZMW-18I2	35.0 - 45.0	13.23	13.88	13.90	13.70	13.83	14.07	13.67	14.06	13.23	13.92	14.44
OZMW-18D	55.0 - 65.0	12.78	13.41	13.42	13.31	13.34	13.57	13.22	13.67	12.78	13.46	13.98
OZMW-19S	5.0 - 15.0	13.64	14.37	14.65	14.24	14.50	14.44	14.09	14.05	13.64	14.45	16.52
OZMW-19I	20.0 - 30.0	13.31	14.02	14.31	13.94	13.78	14.14	13.79	13.99	13.31	14.13	16.37
OZMW-19I2	35.0 - 45.0	13.26	13.97	14.33	13.88	14.08	14.09	13.74	13.77	13.26	14.11	16.31
OZMW-19D	53.0 - 63.0	13.34	14.03	14.32	13.94	14.18	14.15	13.81	13.73	13.34	14.16	16.38
OZMW-21S	5.0 - 15.0	13.71	14.80	15.08	14.34	14.53	14.57	14.19	14.90	13.71	14.52	15.08
OZMW-21I	20.0 - 30.0	13.67	14.80	15.11	14.29	14.45	14.43	14.04	14.51	13.67	14.41	15.11
OZMW-21I2	35.0 - 45.0	13.60	14.37	15.13	14.24	14.45	14.56	14.10	14.51	13.60	14.37	15.13
OZMW-21D	55.0 - 65.0	13.69	14.30	15.04	14.31	14.56	14.47	14.12	15.14	13.69	14.45	15.14
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	13.44	14.00	14.39
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	13.48	14.02	14.42
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	13.46	14.00	14.39
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.42	13.97	14.38
OZMW-22RS	5.0 - 15.0	12.97	14.22	13.49	13.61	13.97	13.93	13.51	13.91	12.97	13.70	14.22
OZMW-22RI	20.0 - 30.0	12.94	13.68	13.56	13.56	13.82	13.85	13.46	14.05	12.94	13.62	14.05
OZMW-23S	5.0 - 15.0	13.05	13.78	13.79	13.63	13.86	13.87	13.55	15.25	13.05	13.85	15.25
OZMW-23I	20.0 - 25.0	13.03	13.82	13.83	13.66	13.38	13.88	13.55	15.17	13.03	13.79	15.17
OZMW-23I2	35.0 - 40.0	12.91	13.76	13.77	13.61	13.89	13.80	13.48	13.78	12.91	13.63	13.89
OZMW-23D	55.0 - 65.0	13.03	13.80	13.78	13.67	13.76	13.86	13.52	13.83	13.03	13.66	13.86
OZMW-24S	5.0 - 15.0	10.36	11.04	11.01	10.95	11.07	11.17	10.83	11.27	10.36	10.96	11.27
OZMW-24I	20.0 - 25.0	13.00	13.71	13.72	13.60	13.76	13.83	13.46	13.86	13.00	13.62	13.86
OZMW-24I2	35.0 - 40.0	13.02	13.70	13.67	13.61	13.71	13.82	13.49	13.91	13.02	13.62	13.91
OZMW-24D	55.0 - 65.0	13.04	13.72	13.75	13.71	13.80	13.88	13.50	14.02	13.04	13.68	14.02
OZMW-25S	5.0 - 15.0	13.45	14.15	14.41	14.06	14.31	14.33	14.43	14.06	13.45	14.37	16.66
OZMW-25I	20.0 - 30.0	13.42	14.15	14.27	14.05	14.15	14.29	13.84	13.87	13.42	14.27	16.63
OZMW-25I2	35.0 - 45.0	13.46	14.16	14.42	14.07	14.34	14.29	13.93	13.86	13.46	14.31	16.64
OZMW-25D	55.0 - 65.0	13.45	14.17	14.56	14.06	14.40	14.30	13.94	13.93	13.45	14.34	16.63
OZMW-26S	5.0 - 15.0	13.29	14.05	14.32	13.90	14.18	14.18	13.80	14.19	13.29	14.26	16.66
OZMW-26I	20.0 - 25.0	13.34	14.09	14.35	13.95	14.22	14.20	13.83	14.29	13.34	14.03	14.35
OZMW-26I2	35.0 - 40.0	13.32	14.09	14.37	13.95	14.22	14.17	13.84	14.25	13.32	14.03	14.37
OZMW-26D	55.0 - 65.0	13.33	14.09	14.27	13.92	14.17	14.18	13.83	NC	13.33	13.97	14.27

Notes:
 NC - Not Calculated
 bgs - below ground surface
 Well Elevations obtained from 2007 survey or later and reference NAVD88 datum.

Table 3-3
 Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-01S	4/2/2013	9:15	19.65	6.80	12.85	
BBMW-01I	4/2/2013	9:17	19.23	6.63	12.60	
BBMW-01D	4/2/2013	9:18	19.20	6.34	12.86	
BBMW-02S	4/1/2013	15:40	16.83	4.88	11.95	
BBMW-02I	4/1/2013	15:42	16.96	4.74	12.22	
BBMW-02D	4/1/2013	15:45	17.13	4.79	12.34	
BBMW-03S	4/1/2013	8:05	11.33	3.28	8.05	
BBMW-03I	4/1/2013	8:07	11.19	3.15	8.04	
BBMW-03D	4/1/2013	8:09	11.24	3.12	8.12	
BBMW-04D	4/2/2013	10:12	19.69	5.07	14.62	
BBMW-07S	4/1/2013	9:30	12.80	7.03	5.77	
BBMW-07I	4/1/2013	9:32	12.60	6.81	5.79	
BBMW-07D	4/1/2013	9:33	12.58	6.75	5.83	
BBMW-15S	4/2/2013	8:25	15.92	5.07	10.85	
BBMW-15I	4/2/2013	8:27	15.82	5.21	10.61	
BBMW-15I2	4/2/2013	8:30	15.79	5.14	10.65	
BBMW-15D	4/2/2013	8:29	15.63	5.03	10.60	
BBMW-16S	4/1/2013	15:20	19.04	9.22	9.82	
BBMW-16I	4/1/2013	15:22	19.43	9.39	10.04	
BBMW-16D	4/1/2013	15:25	18.97	8.89	10.08	
BBMW-23S	4/2/2013	9:57	19.13	5.90	13.23	
BBMW-23I	4/2/2013	10:02	19.16	6.00	13.16	
BBMW-23D	4/2/2013	10:01	19.17	6.05	13.12	
BBMW-23D2	4/2/2013	10:00	18.61	5.88	12.73	
BBMW-24S	4/1/2013	15:08	18.14	6.87	11.27	
BBMW-24I	4/1/2013	15:10	18.01	6.91	11.10	
BBMW-24D	4/1/2013	15:10	17.76	6.77	10.99	
BBMW-25S	4/1/2013	8:40	12.80	4.25	8.55	
BBMW-25I	4/1/2013	8:41	12.79	4.22	8.57	
BBMW-25D	4/1/2013	8:41	12.70	4.18	8.52	
GM-05S	4/1/2013	14:47	5.73	2.64	3.09	
GM-05I	4/1/2013	14:47	5.92	2.60	3.32	
GM-05D	4/1/2013	14:48	7.87	0.00	7.87	Artesian
GM-06S	4/1/2013	9:40	9.52	6.00	3.52	
GM-06I	4/1/2013	9:42	9.56	6.02	3.54	
GM-06D	4/1/2013	9:41	9.66	6.11	3.55	
GM-07S	4/1/2013	10:15	10.61	7.90	2.71	
GM-07I	4/1/2013	10:16	10.53	7.85	2.68	
GM-07D	4/1/2013	10:16	10.75	8.05	2.70	
GM-08S	4/1/2013	11:15	3.90	2.55	1.35	
GM-08I	4/1/2013	11:17	4.05	2.62	1.43	
GM-08D	4/1/2013	11:20	3.91	2.57	1.34	
GM-09S	4/1/2013	9:55	3.22	2.30	0.92	
GM-09I	4/1/2013	9:57	3.41	2.48	0.93	
GM-09D	4/1/2013	9:58	3.09	2.50	0.59	
GM-10AD	4/1/2013	10:08	8.07	6.25	1.82	
GMP-01	4/1/2013	14:30	6.58	3.05	3.53	
GMP-02	4/1/2013	14:38	6.28	3.48	2.80	
GMP-04		NM	3.74	NM	NC	Well buried
MW-16AS	4/2/2013	8:18	16.16	5.22	10.94	
OU2-IW01S	4/1/2013	14:35	5.95	2.94	3.01	
OU2MW-01WT	4/1/2013	8:45	12.86	4.36	8.50	
OU2MW-01S	4/1/2013	8:51	12.41	4.22	8.19	
OU2MW-01I	4/1/2013	8:52	12.47	4.11	8.36	
OU2MW-01I2	4/1/2013	8:52	12.28	3.98	8.30	
OU2MW-01D	4/1/2013	8:53	12.35	4.03	8.32	
OU2MW-02S	4/1/2013	9:02	11.58	3.35	8.23	
OU2MW-02I	4/1/2013	9:03	11.59	3.32	8.27	
OU2MW-02I2	4/1/2013	9:05	11.74	3.51	8.23	
OU2MW-02D	4/1/2013	9:04	11.53	3.55	7.98	
OU2MW-03S	4/1/2013	8:25	11.23	4.40	6.83	
OU2MW-03I	4/1/2013	8:27	11.15	4.36	6.79	
OU2MW-03I2	4/1/2013	8:30	11.15	4.38	6.77	
OU2MW-03D	4/1/2013	8:31	11.14	4.41	6.73	
OU2MW-04WT	4/1/2013	8:15	10.34	3.85	6.49	

Table 3-3
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Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU2MW-04S	4/1/2013	8:17	10.18	3.82	6.36	
OU2MW-04I	4/1/2013	8:18	10.10	3.77	6.33	
OU2MW-04I2	4/1/2013	8:20	10.05	3.71	6.34	
OU2MW-04D	4/1/2013	8:21	10.08	3.60	6.48	
OU2MW-05	4/1/2013	14:52	6.32	2.18	4.14	
OU2MW-06S	4/1/2013	13:25	4.83	2.44	2.39	
OU2MW-06	4/1/2013	13:29	4.43	2.06	2.37	
OU2MW-07S	4/1/2013	14:18	5.47	3.14	2.33	
OU2MW-07	4/1/2013	14:20	5.34	3.08	2.26	
OU2MW-08WT	4/2/2013	8:41	14.93	6.12	8.81	
OU2MW-08S	4/2/2013	8:45	14.77	6.08	8.69	
OU2MW-08I	4/2/2013	8:42	14.70	6.07	8.63	
OU2MW-08I2	4/2/2013	8:42	14.78	5.99	8.79	
OU2MW-08D	4/2/2013	8:43	14.87	5.38	9.49	
OU2MW-09	4/1/2013	8:00	11.26	3.23	8.03	
OU2MW-10S	4/1/2013	11:10	5.31	2.87	2.44	
OU2MW-10I	4/1/2013	11:11	5.42	2.97	2.45	
OU2MW-10D	4/1/2013	11:12	5.43	3.05	2.38	
OU2MW-11S	4/1/2013	14:55	6.69	2.89	3.80	
OU2MW-11I	4/1/2013	14:57	6.72	2.90	3.82	
OU2MW-11I2	4/1/2013	14:56	6.53	2.95	3.58	
OU2MW-11D	4/1/2013	14:57	6.65	2.92	3.73	
OU2MW-12S	4/1/2013	14:26	5.70	2.56	3.14	
OU2MW-12I	4/1/2013	14:27	5.73	2.50	3.23	
OU2MW-12I2	4/1/2013	14:25	5.81	2.68	3.13	
OU2MW-12D	4/1/2013	14:27	5.59	2.48	3.11	
OU2MW-13S	4/1/2013	14:07	4.78	2.61	2.17	
OU2MW-13I	4/1/2013	14:08	4.81	2.41	2.40	
OU2MW-13D	4/1/2013	14:10	4.94	2.59	2.35	
OU2MW-14S	4/1/2013	6:50	14.58	6.20	8.38	
OU2MW-14I	4/1/2013	6:49	14.75	6.09	8.66	
OU2MW-14I2	4/1/2013	6:47	14.77	6.10	8.67	
OU2MW-15S	4/1/2013	10:40	4.80	2.32	2.48	
OU2MW-15I	4/1/2013	10:42	5.09	2.64	2.45	
OU2MW-15I2	4/1/2013	10:42	5.13	2.70	2.43	
OU2MW-15D	4/1/2013	10:43	5.21	2.73	2.48	
OU2MW-16S	4/1/2013	11:00	5.44	2.89	2.55	
OU2MW-16I	4/1/2013	11:02	5.31	2.78	2.53	
OU2MW-16I2	4/1/2013	11:03	5.31	2.76	2.55	
OU2MW-16D	4/1/2013	11:02	5.61	2.92	2.69	
OU2MW-17S	4/2/2013	9:00	19.83	6.97	12.86	
OU2MW-17I	4/2/2013	8:57	19.91	6.92	12.99	
OU2MW-17I2	4/2/2013	8:56	19.86	7.02	12.84	
OU2MW-17D	4/2/2013	8:58	19.71	7.00	12.71	
OU2MW-18I	4/2/2013	9:05	19.98	7.06	12.92	
OU2MW-18I2	4/2/2013	9:06	19.97	7.10	12.87	
OU2MW-18D	4/2/2013	9:08	19.97	7.11	12.86	
OU2MW-39S	4/2/2013	11:25	21.22	9.04	12.18	
OU2MW-39I	4/2/2013	11:27	21.32	9.17	12.15	
OU2MW-39I2	4/2/2013	11:30	21.14	9.15	11.99	
OU2MW-39D	4/2/2013	11:29	21.18	9.20	11.98	
OU2MW-49S	4/2/2013	10:15	18.88	5.22	13.66	
OU2MW-49I	4/2/2013	10:17	19.09	5.27	13.82	
OU2MW-49I2	4/2/2013	10:20	18.58	5.35	13.23	
OU2MW-49D	4/2/2013	10:18	18.72	5.32	13.40	
OU2MW-50S	4/2/2013	10:48	20.97	7.49	13.48	
OU2MW-50I	4/2/2013	10:50	20.94	7.50	13.44	
OU2MW-50I2	4/2/2013	10:52	21.02	7.55	13.47	
OU2MW-50D	4/2/2013	10:55	21.09	7.58	13.51	
OU2MW-51S	4/2/2013	11:07	20.99	7.52	13.47	
OU2MW-51I	4/2/2013	11:09	20.93	7.46	13.47	
OU2MW-51I2	4/2/2013	11:10	21.00	7.47	13.53	
OU2MW-51D	4/2/2013	11:11	21.03	7.62	13.41	
OU2MW-52S	4/1/2013	13:10	5.80	3.89	1.91	
OU2MW-52I	4/1/2013	13:12	5.64	3.70	1.94	

Table 3-3
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Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU2MW-52D	4/1/2013	13:16	5.70	3.85	1.85	
OU2MW-53S	4/1/2013	11:25	4.98	3.49	1.49	
OU2MW-53I	4/1/2013	11:27	4.98	3.62	1.36	
OU2MW-53D	4/1/2013	11:30	5.08	3.63	1.45	
OU2MW-54S	4/2/2013	9:46	18.24	4.82	13.42	
OU2MW-54I	4/2/2013	9:46	18.14	4.94	13.20	
OU2MW-54I2	4/2/2013	9:45	18.06	4.88	13.18	
OU2MW-54D	4/2/2013	9:47	18.35	5.14	13.21	
OU2MW-57S	4/2/2013	10:35	19.21	5.87	13.34	
OU2MW-57I	4/2/2013	10:36	18.88	5.71	13.17	
OU2MW-57I2	4/2/2013	10:37	19.09	5.69	13.40	
OU2MW-58S	4/2/2013	9:25	20.80	7.69	13.11	
OU2MW-58I	4/2/2013	9:27	20.79	7.65	13.14	
OU2SW-01*	4/1/2013	13:45	2.65	1.87	0.78	Boat Basin
BBSW-06*	4/1/2013	13:47	2.08	1.28	0.80	Boat Basin
BBSW-07*	4/1/2013	13:55	6.83	1.85	4.98	Weir

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level
- NA - Not Applicable
- * - Surface Water Gauging Station

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04
BBMW-01S	5.0 - 15.0	NC	NC	12.33	NC	12.49	NC	12.70	13.34	13.09	12.38	12.67	14.11
BBMW-01I	32.0 - 42.0	NC	NC	12.29	NC	12.47	NC	12.69	13.32	13.07	12.35	12.65	14.09
BBMW-01D	68.5 - 78.5	NC	NC	12.33	NC	12.47	NC	12.75	14.40	13.12	12.37	12.68	14.14
BBMW-02S	5.0 - 15.0	NC	NC	11.45	11.29	11.34	NC	11.85	12.35	12.08	11.42	NC	13.10
BBMW-02I	30.0 - 40.0	NC	NC	11.42	11.26	11.32	NC	11.83	12.33	12.07	11.41	NC	13.08
BBMW-02D	73.0 - 83.0	NC	NC	11.40	11.24	11.30	NC	11.81	NC	12.05	11.38	NC	13.08
BBMW-03S	3.0 - 13.0	NC	NC	7.61	7.51	7.54	NC	8.05	8.23	8.25	7.46	7.74	9.01
BBMW-03I	30.0 - 40.0	NC	NC	7.60	7.52	7.53	NC	8.03	8.24	8.24	7.48	7.73	8.97
BBMW-03D	52.0 - 62.0	NC	NC	7.62	7.52	7.58	NC	8.08	8.27	8.26	7.45	7.77	8.99
BBMW-04D	63.0 - 73.0	NC	NC	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54	13.96	15.48
BBMW-07S	5.0 - 15.0	NC	NC	5.29	5.16	5.58	NC	5.90	6.05	5.92	5.45	NC	6.83
BBMW-07I	30.0 - 40.0	NC	NC	5.28	5.13	5.60	NC	5.92	6.06	5.91	5.44	NC	6.83
BBMW-07D	55.0 - 65.0	NC	NC	5.29	5.14	5.59	NC	5.92	NC	5.91	5.47	NC	6.82
BBMW-15S	5.0 - 15.0	NC	NC	10.21	10.06	10.10	NC	10.57	10.93	10.71	10.15	10.46	11.72
BBMW-15I	35.0 - 45.0	NC	NC	10.06	10.02	10.07	NC	10.49	10.91	10.69	10.09	10.45	11.71
BBMW-15I2	23.0 - 28.0	NC	NC	10.14	9.89	9.93	NC	10.37	10.84	10.63	10.10	10.39	11.66
BBMW-15D	70.0 - 80.0	NC	NC	10.16	10.01	10.06	NC	10.49	10.87	10.67	10.10	10.40	11.76
BBMW-16S	5.0 - 15.0	NC	NC	9.40	NC	NC	NC	12.82	NC	10.07	9.53	9.67	10.79
BBMW-16I	35.0 - 45.0	NC	NC	9.43	NC	NC	NC	9.85	10.28	10.10	9.56	9.70	10.82
BBMW-16D	68.0 - 78.0	NC	NC	9.42	NC	NC	NC	9.88	10.32	10.12	9.58	9.73	10.86
BBMW-23S	5.0 - 15.0	NC	NC	NC	NC	12.58	NC	13.16	13.78	13.51	12.80	13.09	14.55
BBMW-23I	33.0 - 43.0	NC	NC	NC	NC	12.62	NC	13.15	13.78	13.50	12.79	13.08	14.55
BBMW-23D	49.5 - 59.5	NC	NC	NC	NC	12.54	NC	13.16	13.78	13.52	12.80	13.10	14.55
BBMW-23D2	63.0 - 73.0	NC	NC	NC	NC	12.80	NC	13.19	13.81	13.46	12.82	13.10	14.57
BBMW-24S	4.0 - 14.0	NC	NC	NC	NC	10.36	NC	10.83	11.36	11.17	10.49	10.74	12.15
BBMW-24I	32.0 - 42.0	NC	NC	NC	NC	10.35	NC	10.83	11.36	11.15	10.48	10.74	12.15
BBMW-24D	59.5 - 69.5	NC	NC	NC	NC	10.36	NC	10.82	11.36	11.15	10.49	10.75	12.16
BBMW-25S	4.0 - 14.0	NC	NC	NC	NC	7.33	NC	7.85	8.22	8.03	7.32	7.60	8.98
BBMW-25I	25.0 - 35.0	NC	NC	NC	NC	7.36	NC	7.87	8.25	8.04	7.35	7.63	8.99
BBMW-25D	62.0 - 72.0	NC	NC	NC	NC	7.35	NC	NC	8.22	7.98	7.28	7.56	8.92
GM-03S	6.78 - 21.78	8.95	9.13	9.34	NC	9.53	NC	9.68	10.00	10.02	9.39	9.59	10.83
GM-03I	30.03 - 45.03	8.88	8.95	9.18	NC	9.35	NC	9.51	9.84	9.83	9.22	9.42	10.67
GM-03D	53.18 - 68.18	9.07	9.16	9.27	NC	9.45	NC	9.63	9.93	9.94	9.32	9.53	10.77
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NC	3.35	2.80	3.21	2.62	2.49	3.74
GM-05I	35.05 - 48.05	2.28	2.69	2.59	2.62	3.37	NC	3.50	2.99	3.36	2.72	2.64	3.90
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NC	7.03	NC	7.42	7.51	7.50	6.83	7.18	NC
GM-06S	8.97 - 23.97	2.59	2.96	3.08	2.89	3.46	NC	3.77	3.72	3.70	3.33	2.90	4.58
GM-06I	35.40 - 40.40	2.60	2.97	3.08	2.93	3.57	NC	3.86	3.73	3.77	3.54	3.47	4.59
GM-06D	60.05 - 75.05	2.71	2.96	3.07	2.92	3.49	NC	3.79	3.73	3.72	3.35	2.91	4.58
GM-07S	9.75 - 24.75	1.40	2.17	2.15	2.01	2.49	NC	2.64	2.53	2.73	2.56	2.01	3.34
GM-07I	29.6 - 44.6	1.32	2.16	2.14	2.00	2.52	NC	2.85	2.52	2.75	2.57	2.06	3.35
GM-07D	50.3 - 65.3	1.52	2.17	2.14	NC	2.54	NC	2.67	2.58	3.76	2.58	2.04	3.36
GM-08S	6.35 - 21.35	0.37	0.64	0.54	0.61	1.34	NC	1.43	0.54	1.22	0.72	0.62	1.41
GM-08I	29.95 - 44.95	0.53	0.64	0.54	0.64	1.34	NC	1.45	0.56	1.22	0.71	0.63	1.11
GM-08D	48.25 - 63.25	0.26	0.67	0.55	0.62	1.38	NC	1.47	0.56	1.26	0.73	0.65	1.48
GM-09S	20.0 - 25.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.15
GM-09I	40.0 - 45.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.17
GM-09D	48.35 - 63.35	0.02	0.47	0.45	0.41	1.24	NC	0.80	0.45	0.69	0.93	0.31	1.16
GM-10AD	unknown	NC	NC	NC	1.12	1.86	NC	1.92	1.62	1.82	1.76	1.08	2.43
GMP-01	25.0 - 30.0	NC	NC	NC	2.97	3.65	NC	3.78	3.26	3.66	3.07	3.04	4.18

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04
GMP-02	18.0 - 23.0	NC	NC	NC	2.25	2.95	NC	3.05	2.44	2.91	2.36	2.24	3.37
GMP-04	15.5 - 20.5	NC	NC	NC	0.96	1.46	NC	1.18	0.47	1.40	1.01	1.11	1.17
MW-16AS	3.0 - 13.0	NC	NC	10.45	10.30	10.36	NC	10.82	11.21	10.99	10.44	NC	12.00
OU2-IW01S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-05	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-06S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-06	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-07S	3.0 - 8.0	NC	NC	NC	3.0	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-07	15.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-09	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04
OU2MW-15S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I2	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07
BBMW-01S	5.0 - 15.0	12.10	12.51	13.16	13.03	11.91	13.41	13.36	12.95	12.64	14.10	13.03	13.36
BBMW-01I	32.0 - 42.0	12.08	12.49	13.14	13.01	11.89	13.49	13.34	12.94	12.63	13.09	13.01	13.34
BBMW-01D	68.5 - 78.5	12.11	12.51	13.16	13.07	11.92	13.50	13.36	12.96	12.64	13.10	13.02	13.38
BBMW-02S	5.0 - 15.0	11.16	11.52	NC	12.06	10.99	12.45	12.36	12.00	11.62	12.12	12.07	12.35
BBMW-02I	30.0 - 40.0	11.15	11.50	NC	12.03	10.96	12.43	12.32	11.95	11.59	12.08	12.02	12.35
BBMW-02D	73.0 - 83.0	11.12	11.48	NC	12.01	10.93	12.41	12.31	11.95	11.58	12.06	12.02	12.33
BBMW-03S	3.0 - 13.0	7.42	7.72	8.25	8.09	7.36	8.43	8.29	8.00	7.65	8.19	8.02	8.27
BBMW-03I	30.0 - 40.0	7.41	7.72	8.24	8.09	7.75	8.82	8.29	8.00	7.64	7.99	8.01	8.28
BBMW-03D	52.0 - 62.0	7.44	7.75	8.26	8.12	7.35	8.44	8.31	8.03	NC	8.14	8.05	8.32
BBMW-04D	63.0 - 73.0	13.38	13.84	14.51	14.39	13.18	14.96	14.67	14.31	14.01	14.48	14.39	NC
BBMW-07S	5.0 - 15.0	5.27	5.71	5.98	5.80	5.12	6.29	NC	5.75	5.52	5.89	5.63	NC
BBMW-07I	30.0 - 40.0	5.26	5.72	5.98	5.83	5.13	6.29	NC	5.76	5.53	5.91	5.63	NC
BBMW-07D	55.0 - 65.0	5.27	5.73	5.98	5.82	5.11	6.29	NC	5.77	5.51	5.94	5.64	NC
BBMW-15S	5.0 - 15.0	9.86	10.18	10.84	10.69	9.71	11.09	10.98	10.66	10.23	10.75	10.71	11.01
BBMW-15I	35.0 - 45.0	9.84	10.16	10.81	10.67	9.66	11.03	10.91	10.61	10.18	10.73	10.66	10.98
BBMW-15I2	23.0 - 28.0	9.81	10.16	10.80	10.60	9.66	11.05	10.93	10.62	10.21	10.73	10.67	10.98
BBMW-15D	70.0 - 80.0	9.82	10.15	10.80	10.63	9.66	11.04	10.92	10.62	10.19	10.71	10.67	10.96
BBMW-16S	5.0 - 15.0	9.28	9.73	10.15	10.05	9.04	10.45	10.30	10.00	14.62	10.10	10.02	10.28
BBMW-16I	35.0 - 45.0	9.32	9.76	10.15	10.08	9.05	10.47	10.33	10.02	9.63	10.14	10.06	10.32
BBMW-16D	68.0 - 78.0	9.31	9.75	10.18	10.06	9.03	10.46	10.32	10.01	9.62	10.12	10.06	10.32
BBMW-23S	5.0 - 15.0	12.51	12.93	NC	13.46	12.32	14.00	13.78	13.37	13.06	13.52	13.48	13.76
BBMW-23I	33.0 - 43.0	12.50	12.93	NC	13.46	12.31	13.92	13.79	13.38	13.07	13.51	13.47	13.76
BBMW-23D	49.5 - 59.5	12.53	12.94	NC	13.47	12.32	13.95	13.79	13.39	13.08	13.53	13.49	13.81
BBMW-23D2	63.0 - 73.0	12.52	12.96	NC	13.47	12.32	13.93	13.78	13.38	13.07	13.52	13.48	13.76
BBMW-24S	4.0 - 14.0	10.23	10.61	11.20	11.09	10.04	11.53	11.39	11.02	10.67	11.09	11.06	11.41
BBMW-24I	32.0 - 42.0	10.22	10.60	11.20	11.09	10.02	11.51	11.37	10.99	10.66	11.07	11.04	11.43
BBMW-24D	59.5 - 69.5	10.24	10.61	11.19	11.09	10.03	11.52	11.38	11.03	10.67	11.10	11.07	11.43
BBMW-25S	4.0 - 14.0	7.23	7.62	8.13	8.01	7.64	8.99	8.84	8.49	NC	8.55	8.53	8.84
BBMW-25I	25.0 - 35.0	7.25	7.64	8.16	8.02	7.66	8.99	8.84	8.49	NC	8.55	8.55	8.86
BBMW-25D	62.0 - 72.0	7.18	7.55	8.08	7.97	NC	8.99	NC	8.49	NC	8.55	8.52	8.83
GM-03S	6.78 - 21.78	9.14	9.53	NC	9.96	8.94	10.42	10.26	9.90	9.53	9.97	9.92	10.18
GM-03I	30.03 - 45.03	8.97	9.36	NC	9.80	8.76	10.24	10.09	9.73	9.36	9.80	9.75	10.17
GM-03D	53.18 - 68.18	9.07	9.46	NC	9.95	8.86	10.34	10.19	9.83	9.47	9.90	9.86	10.19
GM-05S	5.1 - 20.1	2.68	3.36	3.31	2.91	2.65	3.34	3.01	3.00	2.85	3.06	2.82	3.08
GM-05I	35.05 - 48.05	2.81	3.49	3.42	3.03	2.76	3.49	3.15	3.13	2.97	3.18	2.96	3.21
GM-05D	60.95 - 75.95	8.97	7.58	7.72	7.50	6.56	7.87	7.81	8.23	8.72	7.61	7.59	7.76
GM-06S	8.97 - 23.97	3.14	3.69	3.73	3.52	3.06	4.10	3.69	3.50	3.48	3.79	3.29	3.73
GM-06I	35.40 - 40.40	3.16	3.70	3.74	3.57	3.08	4.10	3.70	3.52	3.48	3.80	3.30	3.75
GM-06D	60.05 - 75.05	3.15	3.70	3.74	3.54	3.07	4.11	3.70	3.52	3.48	3.79	3.30	3.74
GM-07S	9.75 - 24.75	2.34	3.01	2.80	2.58	2.36	3.04	2.63	2.64	2.60	2.88	2.42	2.71
GM-07I	29.6 - 44.6	2.32	3.00	2.79	2.63	2.34	3.03	2.62	2.64	2.59	2.87	2.41	2.69
GM-07D	50.3 - 65.3	2.33	3.02	2.81	2.63	2.34	3.44	2.62	2.65	2.61	2.87	2.43	2.70
GM-08S	6.35 - 21.35	1.08	1.74	1.46	0.83	0.89	1.35	0.95	1.04	1.01	1.06	0.79	0.96
GM-08I	29.95 - 44.95	1.09	1.76	1.46	0.86	0.91	1.35	0.96	1.04	1.02	1.06	0.79	0.97
GM-08D	48.25 - 63.25	1.14	1.77	1.48	0.88	0.93	1.39	0.96	1.03	1.02	1.06	0.79	0.96
GM-09S	20.0 - 25.0	0.66	1.41	1.17	0.74	0.65	0.94	0.62	0.79	0.81	0.88	0.58	0.75
GM-09I	40.0 - 45.0	0.67	1.43	1.17	0.74	0.65	0.95	0.63	0.80	0.83	0.89	0.60	0.76
GM-09D	48.35 - 63.35	0.67	1.41	1.17	0.75	0.65	0.96	0.64	0.79	0.82	0.89	0.59	0.76
GM-10AD	unknown	1.51	2.20	1.92	1.41	1.57	2.08	1.67	1.72	1.74	NC	1.43	1.76
GMP-01	25.0 - 30.0	3.15	3.78	3.73	3.35	3.08	3.77	3.47	3.44	3.28	3.47	3.33	3.50

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07
GMP-02	18.0 - 23.0	2.40	3.15	3.04	2.58	2.41	3.03	2.69	2.70	2.57	2.73	2.59	2.74
GMP-04	15.5 - 20.5	0.93	2.11	1.72	1.02	1.37	1.73	1.19	1.23	1.42	1.09	1.51	1.06
MW-16AS	3.0 - 13.0	10.10	10.44	11.10	10.96	9.93	11.34	11.23	10.92	10.48	11.02	10.98	11.27
OU2-IW01S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01S	20.0 - 25.0	NC	NC	NC	NC	NC	8.79	8.62	8.30	NC	8.37	8.30	8.58
OU2MW-01I	35.0 - 40.0	NC	NC	NC	NC	NC	8.82	8.65	8.28	NC	9.96	8.32	8.61
OU2MW-01I2	50.0 - 55.0	NC	NC	NC	NC	NC	8.78	8.62	8.30	NC	8.36	8.40	8.59
OU2MW-01D	65.0 - 70.0	NC	NC	NC	NC	NC	10.24	10.16	9.79	NC	8.23	9.89	10.06
OU2MW-02S	20.0 - 25.0	NC	NC	NC	NC	NC	8.68	8.66	8.21	NC	8.31	8.31	8.51
OU2MW-02I	35.0 - 40.0	NC	NC	NC	NC	NC	8.68	8.52	8.22	NC	8.26	8.23	8.51
OU2MW-02I2	50.0 - 55.0	NC	NC	NC	NC	NC	8.67	8.51	8.21	NC	8.25	8.22	8.51
OU2MW-02D	65.0 - 70.0	NC	NC	NC	NC	NC	8.87	8.74	8.41	NC	8.47	8.42	8.68
OU2MW-03S	20.0 - 25.0	NC	NC	NC	NC	NC	7.23	7.01	6.73	NC	6.80	6.69	7.01
OU2MW-03I	35.0 - 40.0	NC	NC	NC	NC	NC	7.25	7.03	6.75	NC	6.84	6.71	7.03
OU2MW-03I2	50.0 - 55.0	NC	NC	NC	NC	NC	7.23	7.01	6.74	NC	6.79	6.69	7.02
OU2MW-03D	65.0 - 70.0	NC	NC	NC	NC	NC	8.99	8.95	8.63	NC	6.75	8.85	8.95
OU2MW-04WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04S	20.0 - 25.0	NC	NC	NC	NC	NC	6.97	6.73	6.49	6.19	6.60	6.41	6.75
OU2MW-04I	35.0 - 40.0	NC	NC	NC	NC	NC	6.97	6.73	6.49	6.19	6.61	6.45	6.76
OU2MW-04I2	50.0 - 55.0	NC	NC	NC	NC	NC	6.96	6.72	6.49	NC	6.57	6.43	6.74
OU2MW-04D	65.0 - 70.0	NC	NC	NC	NC	NC	6.99	6.75	6.51	NC	6.60	6.47	6.77
OU2MW-05	25.0 - 35.0	NC	NC	NC	NC	NC	4.44	4.16	4.09	3.93	4.16	3.97	4.21
OU2MW-06S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-06	25.0 - 35.0	NC	NC	NC	NC	NC	2.57	2.17	2.21	2.17	2.17	2.21	2.17
OU2MW-07S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-07	15.0 - 25.0	NC	NC	NC	NC	NC	2.37	1.98	2.00	2.03	1.90	2.08	1.89
OU2MW-08WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08S	20.0 - 25.0	NC	NC	NC	NC	NC	9.07	8.92	8.61	8.26	8.66	8.66	8.96
OU2MW-08I	35.0 - 40.0	NC	NC	NC	NC	NC	9.08	8.92	8.62	8.27	8.67	8.66	8.97
OU2MW-08I2	50.0 - 55.0	NC	NC	NC	NC	NC	9.12	8.95	8.66	8.30	8.71	8.70	8.99
OU2MW-08D	65.0 - 70.0	NC	NC	NC	NC	NC	9.89	9.79	9.45	9.01	9.55	9.52	9.83
OU2MW-09	20.0 - 30.0	NC	NC	NC	NC	NC	8.42	8.28	7.99	NC	8.04	8.02	8.27
OU2MW-10S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07
OU2MW-15S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I2	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10
BBMW-01S	5.0 - 15.0	12.63	11.91	12.78	13.27	12.22	12.92	12.88	13.10	13.11	12.29	13.41	14.73
BBMW-01I	32.0 - 42.0	12.62	11.90	12.77	13.25	12.21	12.91	12.88	13.07	13.11	12.30	13.43	14.74
BBMW-01D	68.5 - 78.5	12.64	11.91	12.79	13.29	12.24	12.94	12.91	13.08	13.15	12.34	13.43	14.74
BBMW-02S	5.0 - 15.0	11.56	11.00	11.85	12.23	11.23	11.92	11.57	12.08	12.09	11.27	12.39	13.60
BBMW-02I	30.0 - 40.0	11.55	11.00	11.85	12.24	11.24	11.92	11.88	12.08	12.10	11.26	12.39	13.59
BBMW-02D	73.0 - 83.0	11.54	10.98	11.84	12.22	11.21	11.90	11.87	12.07	12.07	11.22	12.34	13.60
BBMW-03S	3.0 - 13.0	7.71	7.36	7.92	8.21	7.43	8.00	7.89	8.09	8.10	7.43	8.28	9.68
BBMW-03I	30.0 - 40.0	7.71	7.37	7.89	8.22	7.43	8.02	7.86	8.09	8.10	7.47	8.28	9.68
BBMW-03D	52.0 - 62.0	7.74	7.38	7.92	8.23	7.43	8.03	7.90	8.09	8.11	7.45	8.29	9.70
BBMW-04D	63.0 - 73.0	NC	13.28	14.20	14.78	10.72	14.37	14.39	14.59	14.57	13.15	14.74	16.04
BBMW-07S	5.0 - 15.0	NC	4.18	5.63	5.97	5.43	5.76	5.46	5.76	5.98	5.39	6.05	7.77
BBMW-07I	30.0 - 40.0	NC	5.16	5.57	5.96	5.43	5.77	5.46	5.86	5.96	5.38	6.03	7.76
BBMW-07D	55.0 - 65.0	NC	5.15	5.62	5.98	5.45	5.76	5.46	5.75	5.96	5.37	6.03	7.73
BBMW-15S	5.0 - 15.0	10.26	9.81	10.57	10.91	9.93	10.63	10.57	10.75	10.76	9.92	11.42	12.16
BBMW-15I	35.0 - 45.0	10.27	9.78	10.54	10.85	9.90	10.55	10.55	10.72	10.75	9.92	11.02	12.13
BBMW-15I2	23.0 - 28.0	10.19	9.77	10.60	10.87	9.90	10.60	10.49	10.68	10.70	9.86	10.99	12.09
BBMW-15D	70.0 - 80.0	10.22	9.77	10.54	10.86	9.89	10.57	10.51	10.67	10.73	9.87	11.00	12.11
BBMW-16S	5.0 - 15.0	9.56	9.14	9.80	10.14	9.29	9.87	9.85	10.09	10.14	9.46	10.19	11.39
BBMW-16I	35.0 - 45.0	9.58	9.16	9.77	10.18	9.31	9.89	9.89	10.09	15.14	9.45	10.38	11.45
BBMW-16D	68.0 - 78.0	9.56	9.15	9.82	10.23	9.36	9.94	9.92	10.53	10.19	9.48	10.42	11.48
BBMW-23S	5.0 - 15.0	10.35	12.31	13.19	13.67	12.62	13.34	13.25	13.37	13.49	12.67	13.75	15.14
BBMW-23I	33.0 - 43.0	10.48	12.31	13.19	13.68	12.62	13.33	13.24	13.46	13.49	12.61	13.73	15.09
BBMW-23D	49.5 - 59.5	10.29	12.28	13.19	13.71	12.65	13.36	13.26	13.86	13.51	12.69	13.76	15.13
BBMW-23D2	63.0 - 73.0	10.31	12.31	13.16	13.68	12.62	13.36	13.27	13.16	13.48	12.66	13.80	15.13
BBMW-24S	4.0 - 14.0	9.41	10.12	10.86	11.32	10.37	11.27	11.16	11.10	11.43	10.50	11.71	12.89
BBMW-24I	32.0 - 42.0	9.44	10.11	10.82	11.30	10.36	11.09	10.97	11.21	11.24	10.40	11.46	12.70
BBMW-24D	59.5 - 69.5	9.44	10.13	10.88	11.31	10.35	11.04	10.90	11.26	11.15	10.31	11.46	12.63
BBMW-25S	4.0 - 14.0	NC	7.78	8.37	8.77	NC	8.43	8.30	8.60	NC	NC	8.75	10.40
BBMW-25I	25.0 - 35.0	NC	NC	NC	NC	NC	8.40	8.32	8.57	NC	NC	8.79	10.37
BBMW-25D	62.0 - 72.0	NC	7.76	8.46	8.75	NC	8.45	8.36	8.56	NC	NC	8.90	10.35
GM-03S	6.78 - 21.78	9.44	8.97	9.64	10.08	9.15	NC	NC	NC	NC	NC	NC	NC
GM-03I	30.03 - 45.03	9.43	8.98	9.64	10.06	9.13	NC	NC	NC	NC	NC	NC	NC
GM-03D	53.18 - 68.18	9.46	8.97	9.67	10.08	9.16	NC	NC	NC	NC	NC	NC	NC
GM-05S	5.1 - 20.1	2.94	2.59	2.98	3.20	2.88	2.89	2.64	3.04	3.12	2.80	3.03	4.57
GM-05I	35.05 - 48.05	3.08	2.71	3.22	3.39	3.02	3.08	2.83	3.17	3.33	3.06	3.27	4.82
GM-05D	60.95 - 75.95	6.96	6.83	7.54	NC	NC	7.66	7.66	7.66	7.87	7.10	7.87	7.87
GM-06S	8.97 - 23.97	3.44	3.07	3.39	3.71	3.35	3.58	3.14	3.64	3.77	3.31	3.82	5.56
GM-06I	35.40 - 40.40	3.45	3.08	3.39	3.72	3.36	3.60	3.16	3.65	3.75	3.31	3.85	5.57
GM-06D	60.05 - 75.05	3.45	3.08	3.38	3.70	3.37	3.59	3.17	3.67	3.75	3.32	3.82	5.57
GM-07S	9.75 - 24.75	2.62	2.30	2.54	2.73	2.57	2.57	2.20	2.70	2.86	2.46	2.81	4.41
GM-07I	29.6 - 44.6	2.60	2.30	2.50	2.72	2.56	2.56	2.20	2.68	2.83	2.42	2.79	4.39
GM-07D	50.3 - 65.3	2.61	2.31	2.55	2.72	2.57	2.57	2.20	2.70	2.83	2.38	2.77	4.36
GM-08S	6.35 - 21.35	1.02	0.72	1.08	1.13	0.99	0.79	0.57	1.21	1.48	1.02	1.16	2.81
GM-08I	29.95 - 44.95	1.02	0.73	1.04	1.13	1.00	0.79	0.58	1.22	1.16	1.04	1.17	2.81
GM-08D	48.25 - 63.25	1.02	0.62	1.09	1.13	1.00	0.79	0.58	1.21	1.20	0.86	1.20	2.80
GM-09S	20.0 - 25.0	0.95	0.72	0.96	0.89	0.92	0.68	0.34	1.08	0.90	0.78	0.76	1.63
GM-09I	40.0 - 45.0	0.96	0.73	0.92	0.90	0.92	0.73	0.34	1.07	0.90	0.88	0.74	1.73
GM-09D	48.35 - 63.35	0.96	0.72	0.95	0.90	0.93	0.70	0.36	1.07	0.91	0.78	0.77	1.73
GM-10AD	unknown	1.80	1.50	1.70	1.83	1.75	1.66	1.22	1.79	1.94	1.61	1.82	3.43
GMP-01	25.0 - 30.0	3.33	3.00	3.43	3.66	3.27	3.30	3.06	NC	3.57	3.17	3.48	5.4

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10
GMP-02	18.0 - 23.0	2.55	2.30	2.72	2.89	2.58	2.55	2.31	2.74	2.83	2.77	2.79	4.76
GMP-04	15.5 - 20.5	1.63	1.41	1.28	1.00	1.65	1.09	0.70	1.39	1.29	1.01	1.50	2.80
MW-16AS	3.0 - 13.0	10.47	10.11	10.92	11.16	10.22	10.92	10.88	11.22	11.05	10.31	11.37	12.48
OU2-IW01S	3.0 - 8.0	NC	2.50	2.91	2.97	2.77	2.74	2.57	2.97	2.99	2.68	2.99	4.97
OU2MW-01WT	3.0 - 8.0	NC	7.74	8.29	8.70	NC	8.42	8.30	8.53	NC	7.82	8.81	10.29
OU2MW-01S	20.0 - 25.0	NC	7.56	8.12	8.51	NC	8.28	8.15	8.36	NC	7.70	8.61	10.18
OU2MW-01I	35.0 - 40.0	NC	7.56	8.17	8.52	NC	8.28	8.19	8.43	NC	7.72	8.52	10.25
OU2MW-01I2	50.0 - 55.0	NC	7.55	8.14	8.47	NC	8.27	8.13	8.33	NC	7.66	8.58	9.16
OU2MW-01D	65.0 - 70.0	NC	8.95	9.58	9.98	NC	9.70	9.61	9.84	NC	9.15	10.14	11.74
OU2MW-02S	20.0 - 25.0	NC	7.50	8.07	8.43	NC	8.21	8.08	8.28	NC	7.63	8.53	9.99
OU2MW-02I	35.0 - 40.0	NC	7.52	8.10	8.42	NC	8.21	8.12	8.29	NC	7.63	8.52	10.03
OU2MW-02I2	50.0 - 55.0	NC	7.10	8.08	8.41	NC	8.21	8.08	8.26	NC	7.60	8.51	9.99
OU2MW-02D	65.0 - 70.0	NC	7.71	8.28	8.62	NC	8.42	8.30	8.47	NC	7.83	8.73	10.14
OU2MW-03S	20.0 - 25.0	NC	6.12	6.62	7.01	NC	6.67	6.62	6.84	NC	6.26	7.08	8.84
OU2MW-03I	35.0 - 40.0	NC	6.14	6.64	7.02	NC	6.72	6.59	6.80	NC	6.27	7.10	8.86
OU2MW-03I2	50.0 - 55.0	NC	6.12	6.62	7.01	NC	6.68	6.52	6.78	NC	6.25	6.74	8.32
OU2MW-03D	65.0 - 70.0	NC	7.91	8.28	8.84	NC	8.50	7.17	8.67	NC	8.04	8.83	10.63
OU2MW-04WT	3.0 - 8.0	NC	5.91	6.41	6.53	6.12	6.50	6.32	6.57	6.63	6.06	6.74	8.55
OU2MW-04S	20.0 - 25.0	6.25	5.93	6.40	6.71	6.12	6.50	6.27	5.60	6.60	6.06	6.77	8.37
OU2MW-04I	35.0 - 40.0	6.28	5.94	6.42	6.73	6.19	6.52	6.33	6.57	6.63	6.05	6.81	8.58
OU2MW-04I2	50.0 - 55.0	6.26	5.90	6.39	6.73	6.13	6.52	6.30	6.56	6.62	6.03	6.74	8.55
OU2MW-04D	65.0 - 70.0	6.28	6.06	6.41	6.74	6.14	6.52	6.25	6.56	6.63	6.02	6.78	8.56
OU2MW-05	25.0 - 35.0	3.97	3.54	4.01	4.29	3.92	4.05	3.80	-1.05	4.22	3.83	4.28	6.14
OU2MW-06S	3.0 - 8.0	NC	2.05	2.16	2.22	2.35	2.09	1.70	2.25	2.22	2.02	2.38	4.07
OU2MW-06	25.0 - 35.0	2.22	2.03	2.16	2.16	2.32	2.07	1.66	2.27	2.26	2.03	2.37	4.11
OU2MW-07S	3.0 - 8.0	NC	1.96	2.04	1.94	2.22	1.85	1.50	2.11	2.02	1.87	2.22	3.67
OU2MW-07	15.0 - 25.0	2.02	1.93	2.02	1.89	2.17	1.80	1.45	2.06	1.47	1.75	2.14	3.79
OU2MW-08WT	3.0 - 8.0	NC	7.87	8.51	8.87	8.04	8.63	8.52	8.74	8.72	8.03	8.98	10.26
OU2MW-08S	20.0 - 25.0	8.28	7.85	8.52	8.86	8.04	8.62	8.52	8.71	8.74	8.00	8.90	10.28
OU2MW-08I	35.0 - 40.0	8.29	7.87	8.56	8.86	8.02	8.61	8.49	8.71	8.74	8.00	8.97	10.24
OU2MW-08I2	50.0 - 55.0	8.32	7.89	8.52	9.58	8.06	8.64	8.52	8.72	8.74	8.53	8.99	10.27
OU2MW-08D	65.0 - 70.0	9.06	8.69	9.34	9.72	8.75	9.45	9.42	9.54	9.58	8.82	9.83	11.06
OU2MW-09	20.0 - 30.0	7.71	7.37	7.93	8.20	7.47	8.00	7.89	8.08	8.11	7.45	8.30	9.67
OU2MW-10S	3.0 - 7.0	NC	2.00	2.42	2.60	2.38	2.37	1.99	2.41	2.52	2.29	2.35	4.52
OU2MW-10I	20.0 - 25.0	NC	2.01	2.42	2.61	2.35	2.36	1.76	2.47	2.54	2.25	2.32	4.55
OU2MW-10D	35.0 - 40.0	NC	1.99	2.38	2.60	2.33	2.34	1.97	2.41	2.52	2.20	2.32	4.50
OU2MW-11S	3.0 - 8.0	NC	3.29	3.65	3.92	3.58	3.68	3.42	3.75	3.83	3.51	3.84	5.83
OU2MW-11I	20.0 - 25.0	NC	3.26	3.67	3.89	3.57	3.65	3.38	3.75	3.81	3.44	3.84	5.76
OU2MW-11I2	30.0 - 35.0	NC	3.24	3.68	3.86	3.55	3.62	3.25	3.71	3.76	3.46	3.81	5.75
OU2MW-11D	40.0 - 45.0	NC	3.23	3.63	3.85	3.54	3.61	3.35	3.72	3.77	3.55	3.80	5.70
OU2MW-12S	3.0 - 7.0	NC	2.64	3.05	3.24	3.01	2.88	2.63	3.23	3.12	2.74	3.03	5.02
OU2MW-12I	20.0 - 25.0	NC	2.70	3.08	3.34	3.05	3.00	2.69	3.19	3.29	2.87	3.29	5.18
OU2MW-12I2	30.0 - 35.0	NC	2.70	2.97	3.27	3.03	2.91	2.61	3.13	3.16	3.01	3.20	5.07
OU2MW-12D	40.0 - 45.0	NC	2.67	3.06	3.26	3.02	2.91	2.62	3.15	3.15	2.84	3.19	5.04
OU2MW-13S	3.0 - 8.0	NC	1.82	2.16	2.27	2.29	1.96	1.64	2.23	2.13	1.92	2.23	3.72
OU2MW-13I	20.0 - 25.0	NC	1.79	2.08	2.21	2.30	1.95	1.61	2.15	2.09	1.89	2.30	3.70
OU2MW-13D	35.0 - 40.0	NC	1.79	2.00	2.20	2.29	1.94	1.58	2.12	2.08	1.85	2.25	3.68
OU2MW-14S	3.0 - 8.0	NC	7.64	7.76	8.63	7.78	8.35	8.21	8.52	8.54	7.85	8.78	10.06
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	8.04	8.61	8.47	8.75	8.77	8.13	9.00	10.30
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	8.05	8.61	8.46	8.74	8.80	8.09	9.01	10.35

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10
OU2MW-15S	3.0 - 8.0	NC	2.04	2.45	2.64	2.37	2.37	2.00	2.44	2.56	2.29	2.40	4.58
OU2MW-15I	20.0 - 25.0	NC	2.05	2.43	2.63	2.37	2.38	2.02	2.47	2.59	2.49	2.41	4.58
OU2MW-15I2	30.0 - 35.0	NC	2.06	2.41	2.65	2.37	2.39	2.00	2.40	2.59	2.26	2.43	4.56
OU2MW-15D	40.0 - 45.0	NC	2.06	2.46	2.66	2.37	2.39	2.02	2.45	2.60	2.30	2.40	4.53
OU2MW-16S	3.0 - 8.0	NC	2.14	2.59	2.83	2.55	2.55	2.11	2.66	2.69	2.41	2.58	4.73
OU2MW-16I	15.0 - 20.0	NC	2.12	2.56	2.75	2.48	2.47	2.16	2.58	2.67	2.35	2.49	4.63
OU2MW-16I2	25.0 - 30.0	NC	2.13	2.51	2.77	2.49	2.48	2.04	2.56	2.65	2.33	2.50	4.66
OU2MW-16D	35.0 - 40.0	NC	2.14	2.56	2.75	2.48	2.48	2.15	2.58	2.66	2.39	2.50	4.67
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	12.78	11.47	12.52	13.88
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	12.26	11.43	12.46	13.86
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	15.26	11.48	12.46	13.86
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	12.27	11.45	12.45	13.85
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.17
OU2MW-52I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.36
OU2MW-52D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.35
OU2MW-53S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.12
OU2MW-53I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.31
OU2MW-53D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
BBMW-01S	5.0 - 15.0	12.27	12.47	12.65	13.00	12.78	12.88	13.35	13.26	12.85	11.91	12.91	14.73
BBMW-01I	32.0 - 42.0	12.27	11.58	12.63	13.02	12.55	12.88	12.82	12.82	12.60	11.58	12.82	14.74
BBMW-01D	68.5 - 78.5	12.29	11.99	12.70	13.00	12.58	12.91	13.03	12.90	12.86	11.91	12.90	14.74
BBMW-02S	5.0 - 15.0	11.22	11.05	11.74	12.03	11.57	11.77	11.71	11.41	11.95	10.99	11.82	13.60
BBMW-02I	30.0 - 40.0	11.21	11.05	11.73	12.06	11.63	11.83	11.76	11.65	12.22	10.96	11.83	13.59
BBMW-02D	73.0 - 83.0	11.21	11.03	11.72	11.98	11.68	11.81	11.87	11.74	12.34	10.93	11.81	13.60
BBMW-03S	3.0 - 13.0	7.39	7.50	7.88	8.03	7.62	8.26	7.98	7.76	8.05	7.36	7.94	9.68
BBMW-03I	30.0 - 40.0	7.39	7.52	7.89	8.04	7.40	8.08	7.87	7.59	8.04	7.37	7.94	9.68
BBMW-03D	52.0 - 62.0	7.39	7.51	7.89	8.04	7.36	8.00	7.87	7.64	8.12	7.35	7.95	9.70
BBMW-04D	63.0 - 73.0	13.67	13.25	14.00	14.35	14.12	14.16	14.40	14.29	14.62	10.72	14.07	16.04
BBMW-07S	5.0 - 15.0	5.28	5.49	5.58	5.72	5.62	5.82	5.53	5.33	5.77	4.18	5.70	7.77
BBMW-07I	30.0 - 40.0	5.28	5.47	5.56	5.70	5.45	5.64	5.47	5.31	5.79	5.13	5.72	7.76
BBMW-07D	55.0 - 65.0	5.29	5.52	5.55	5.69	5.60	5.74	5.47	5.37	5.83	5.11	5.72	7.73
BBMW-15S	5.0 - 15.0	9.87	9.82	10.44	10.67	10.38	10.63	10.71	10.53	10.85	9.71	10.55	12.16
BBMW-15I	35.0 - 45.0	9.84	9.83	10.44	10.67	10.32	10.52	10.55	10.18	10.61	9.66	10.49	12.13
BBMW-15I2	23.0 - 28.0	9.77	9.72	10.38	10.60	10.27	10.46	10.47	10.24	10.65	9.66	10.46	12.09
BBMW-15D	70.0 - 80.0	9.82	9.78	10.63	10.62	10.22	10.49	10.33	10.06	10.60	9.66	10.48	12.11
BBMW-16S	5.0 - 15.0	9.33	9.28	9.70	9.94	9.55	9.95	12.95	9.56	9.82	9.04	10.14	14.62
BBMW-16I	35.0 - 45.0	9.34	9.30	9.73	9.97	9.65	9.96	13.26	9.96	10.04	9.05	10.11	15.14
BBMW-16D	68.0 - 78.0	9.38	9.34	9.78	10.49	9.68	10.01	12.89	9.58	10.08	9.03	10.01	12.89
BBMW-23S	5.0 - 15.0	12.63	12.35	13.03	13.09	13.10	13.19	13.14	12.71	13.23	10.35	13.16	15.14
BBMW-23I	33.0 - 43.0	12.60	12.30	13.01	12.99	13.07	13.14	13.06	12.66	13.16	10.48	13.15	15.09
BBMW-23D	49.5 - 59.5	12.63	12.38	13.05	13.05	13.20	13.19	13.10	12.65	13.12	10.29	13.17	15.13
BBMW-23D2	63.0 - 73.0	12.61	12.33	13.01	12.61	12.87	13.19	12.71	12.21	12.73	10.31	13.11	15.13
BBMW-24S	4.0 - 14.0	10.56	11.08	11.01	11.25	11.07	11.26	11.24	10.74	11.27	9.41	11.00	12.89
BBMW-24I	32.0 - 42.0	10.40	10.27	10.83	11.09	10.87	11.08	11.03	10.69	11.10	9.44	10.92	12.70
BBMW-24D	59.5 - 69.5	10.31	10.21	10.52	11.01	10.78	11.00	10.96	10.38	10.99	9.44	10.89	12.63
BBMW-25S	4.0 - 14.0	NC	7.89	8.29	8.50	8.14	8.46	8.29	9.40	8.55	7.23	8.33	10.40
BBMW-25I	25.0 - 35.0	NC	7.90	8.31	8.49	8.17	8.54	8.30	9.29	8.57	7.25	8.34	10.37
BBMW-25D	62.0 - 72.0	NC	7.85	8.30	8.52	8.19	8.52	8.20	9.22	8.52	7.18	8.33	10.35
GM-03S	6.78 - 21.78	NC	NC	NC	NC	NC	NC	NC	NC	NC	8.94	9.67	10.83
GM-03I	30.03 - 45.03	NC	NC	NC	NC	NC	NC	NC	NC	NC	8.76	9.54	10.67
GM-03D	53.18 - 68.18	NC	NC	NC	NC	NC	NC	NC	NC	NC	8.86	9.64	10.77
GM-05S	5.1 - 20.1	2.73	3.21	2.92	2.73	3.05	3.23	3.18	3.76	3.09	2.12	2.99	4.57
GM-05I	35.05 - 48.05	2.88	2.92	3.14	NC	3.10	3.44	3.42	4.40	3.32	2.28	3.16	4.82
GM-05D	60.95 - 75.95	7.05	7.36	5.53	7.37	7.16	7.87	7.87	7.64	7.87	5.53	7.56	9.04
GM-06S	8.97 - 23.97	3.24	3.51	3.39	3.45	3.51	3.69	3.01	3.15	3.52	2.59	3.50	5.56
GM-06I	35.40 - 40.40	3.25	3.46	3.40	3.46	3.48	3.69	3.24	3.16	3.54	2.60	3.54	5.57
GM-06D	60.05 - 75.05	3.24	3.43	3.41	3.45	3.54	3.69	3.06	3.36	3.55	2.71	3.52	5.57
GM-07S	9.75 - 24.75	2.49	2.80	2.56	2.41	2.54	2.92	2.35	2.41	2.71	1.40	2.59	4.41
GM-07I	29.6 - 44.6	2.47	2.98	2.54	2.38	2.59	2.89	2.30	2.42	2.68	1.32	2.59	4.39
GM-07D	50.3 - 65.3	2.48	2.81	2.57	2.40	2.62	3.01	2.30	2.40	2.70	1.52	2.64	4.36
GM-08S	6.35 - 21.35	0.94	1.54	1.01	0.69	1.19	1.48	0.90	0.83	1.35	0.37	1.06	2.81
GM-08I	29.95 - 44.95	0.74	1.39	1.03	NC	1.33	1.48	0.71	0.94	1.43	0.53	1.06	2.81
GM-08D	48.25 - 63.25	0.74	1.46	1.09	0.66	1.15	1.49	0.72	0.92	1.34	0.26	1.05	2.80
GM-09S	20.0 - 25.0	0.86	1.28	0.93	0.45	1.14	1.33	0.83	0.27	0.92	0.26	0.73	1.63
GM-09I	40.0 - 45.0	0.86	1.27	0.94	0.44	1.14	1.34	0.41	0.49	0.93	0.26	0.73	1.73
GM-09D	48.35 - 63.35	0.87	1.26	0.96	0.44	1.13	1.37	0.79	0.68	0.59	0.02	0.82	1.73
GM-10AD	unknown	1.65	2.01	NC	1.87	1.96	2.05	1.47	1.47	1.82	1.08	1.77	3.43
GMP-01	25.0 - 30.0	3.14	3.73	3.39	3.19	3.42	3.70	3.64	3.13	3.53	2.97	3.46	5.40

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
GMP-02	18.0 - 23.0	2.44	2.97	2.72	2.39	2.79	3.06	2.95	2.49	2.80	2.24	2.75	4.76
GMP-04	15.5 - 20.5	0.95	2.01	1.54	0.89	1.37	1.69	1.36	1.34	NC	0.47	1.33	2.80
MW-16AS	3.0 - 13.0	10.16	10.10	10.70	10.99	10.81	10.84	10.56	10.55	10.94	9.93	10.81	12.48
OU2-IW01S	3.0 - 8.0	2.70	3.08	2.89	2.65	2.99	3.18	0.95	2.01	3.01	0.95	2.83	4.97
OU2MW-01WT	3.0 - 8.0	NC	7.84	8.35	8.56	NC	8.51	8.35	9.35	8.50	7.74	8.52	10.29
OU2MW-01S	20.0 - 25.0	NC	7.72	8.12	8.31	NC	8.31	8.20	8.11	8.19	7.56	8.34	10.18
OU2MW-01I	35.0 - 40.0	NC	7.77	8.17	8.36	NC	8.40	8.29	8.28	8.36	7.56	8.45	10.25
OU2MW-01I2	50.0 - 55.0	NC	7.72	8.13	8.28	NC	8.30	8.28	8.21	8.30	7.55	8.30	9.16
OU2MW-01D	65.0 - 70.0	NC	9.13	9.51	9.75	NC	9.67	8.24	8.12	8.32	8.12	9.54	11.74
OU2MW-02S	20.0 - 25.0	NC	7.68	NC	8.23	NC	8.19	8.28	8.45	8.23	7.50	8.31	9.99
OU2MW-02I	35.0 - 40.0	NC	7.67	NC	8.24	NC	8.20	8.25	8.50	8.27	7.52	8.30	10.03
OU2MW-02I2	50.0 - 55.0	NC	7.65	NC	8.21	NC	8.27	7.99	8.43	8.23	7.10	8.26	9.99
OU2MW-02D	65.0 - 70.0	NC	7.87	NC	8.45	NC	8.42	8.26	8.26	7.98	7.71	8.44	10.14
OU2MW-03S	20.0 - 25.0	NC	6.34	NC	6.73	6.63	6.81	6.73	6.81	6.83	6.12	6.84	8.84
OU2MW-03I	35.0 - 40.0	NC	6.34	NC	6.75	6.59	6.79	6.79	6.75	6.79	6.14	6.84	8.86
OU2MW-03I2	50.0 - 55.0	NC	6.34	NC	6.71	6.53	6.70	6.69	6.64	6.77	6.12	6.77	8.32
OU2MW-03D	65.0 - 70.0	NC	7.84	NC	8.56	NC	6.66	6.72	6.64	6.73	6.64	8.15	10.63
OU2MW-04WT	3.0 - 8.0	6.04	6.17	6.33	6.49	6.23	6.53	6.44	6.38	6.49	5.91	6.47	8.55
OU2MW-04S	20.0 - 25.0	6.00	6.15	6.39	6.48	6.33	6.64	6.56	6.38	6.36	5.60	6.46	8.37
OU2MW-04I	35.0 - 40.0	5.99	6.18	6.36	6.50	6.35	6.54	6.50	6.38	6.33	5.94	6.51	8.58
OU2MW-04I2	50.0 - 55.0	5.88	6.16	6.35	6.46	6.26	6.59	6.73	6.21	6.34	5.88	6.50	8.55
OU2MW-04D	65.0 - 70.0	5.99	6.17	6.38	6.48	6.19	6.50	6.69	6.18	6.48	5.99	6.52	8.56
OU2MW-05	25.0 - 35.0	3.83	4.10	4.00	3.92	4.05	4.30	3.83	3.73	4.14	-1.05	3.92	6.14
OU2MW-06S	3.0 - 8.0	1.96	2.69	2.54	1.88	1.28	2.57	2.48	1.94	2.39	1.28	2.26	4.07
OU2MW-06	25.0 - 35.0	1.93	2.65	2.49	1.85	0.81	2.54	2.13	2.86	2.37	0.81	2.25	4.11
OU2MW-07S	3.0 - 8.0	1.75	2.61	2.45	1.72	2.14	2.45	1.65	1.51	2.33	1.50	2.10	3.67
OU2MW-07	15.0 - 25.0	1.72	2.49	2.41	1.70	2.11	2.37	1.58	1.48	2.26	1.45	2.03	3.79
OU2MW-08WT	3.0 - 8.0	7.95	8.07	8.49	8.67	8.37	8.56	8.46	8.53	8.81	7.87	8.55	10.26
OU2MW-08S	20.0 - 25.0	7.97	8.06	8.48	8.67	8.44	8.59	8.47	8.48	8.69	7.85	8.58	10.28
OU2MW-08I	35.0 - 40.0	7.92	8.03	8.45	8.65	8.35	8.54	8.48	8.49	8.63	7.87	8.57	10.24
OU2MW-08I2	50.0 - 55.0	7.96	8.03	8.28	8.68	8.39	8.57	8.45	8.58	8.79	7.89	8.64	10.27
OU2MW-08D	65.0 - 70.0	8.69	8.82	9.27	8.49	8.31	9.41	9.34	8.93	9.49	8.31	9.32	11.06
OU2MW-09	20.0 - 30.0	7.35	7.51	6.96	8.01	7.63	8.00	7.87	7.75	8.03	6.96	7.94	9.67
OU2MW-10S	3.0 - 7.0	2.15	2.65	NC	2.11	2.41	2.65	0.91	2.09	2.44	0.91	2.38	4.52
OU2MW-10I	20.0 - 25.0	2.14	2.65	NC	2.11	2.51	2.75	1.00	2.00	2.45	1.00	2.38	4.55
OU2MW-10D	35.0 - 40.0	2.19	2.60	NC	2.08	2.41	2.65	1.03	2.15	2.38	1.03	2.37	4.50
OU2MW-11S	3.0 - 8.0	3.42	3.80	3.65	3.52	3.74	3.95	3.47	3.36	3.80	3.29	3.75	5.83
OU2MW-11I	20.0 - 25.0	3.33	3.85	3.63	3.52	3.79	4.03	3.54	3.45	3.82	3.26	3.75	5.76
OU2MW-11I2	30.0 - 35.0	3.38	3.75	3.61	3.46	3.58	3.91	3.37	3.26	3.58	3.24	3.68	5.75
OU2MW-11D	40.0 - 45.0	3.36	3.74	3.11	3.45	3.68	3.88	3.45	3.35	3.73	3.11	3.68	5.70
OU2MW-12S	3.0 - 7.0	2.79	3.32	3.02	2.75	3.12	3.31	2.71	2.70	3.14	2.63	3.07	5.02
OU2MW-12I	20.0 - 25.0	2.83	3.42	3.06	2.85	3.12	3.38	2.68	2.66	3.23	2.66	3.15	5.18
OU2MW-12I2	30.0 - 35.0	2.80	3.42	3.07	2.81	3.14	3.31	2.76	2.78	3.13	2.61	3.11	5.07
OU2MW-12D	40.0 - 45.0	2.80	3.41	3.08	2.81	3.13	3.30	2.53	2.55	3.11	2.53	3.08	5.04
OU2MW-13S	3.0 - 8.0	1.89	2.65	2.29	1.81	2.15	2.47	1.47	1.69	2.17	1.47	2.15	3.72
OU2MW-13I	20.0 - 25.0	1.83	2.71	2.37	1.81	2.10	2.44	1.54	1.90	2.40	1.54	2.16	3.70
OU2MW-13D	35.0 - 40.0	1.83	2.74	2.32	1.79	2.20	2.43	1.64	2.05	2.35	1.58	2.16	3.68
OU2MW-14S	3.0 - 8.0	7.81	7.80	8.11	8.33	8.11	8.31	7.99	8.18	8.38	7.64	8.26	10.06
OU2MW-14I	20.0 - 25.0	7.99	8.05	8.35	8.57	8.40	8.57	8.34	8.34	8.66	7.99	8.55	10.30
OU2MW-14I2	40.0 - 45.0	7.99	8.10	8.45	8.61	8.40	NC	8.54	8.47	8.67	7.99	8.58	10.35

Table 3-4
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
OU2MW-15S	3.0 - 8.0	2.22	2.63	2.27	2.15	2.17	2.66	1.68	1.72	2.48	1.68	2.41	4.58
OU2MW-15I	20.0 - 25.0	2.24	2.60	2.30	2.66	2.47	2.59	2.02	1.97	2.45	1.97	2.49	4.58
OU2MW-15I2	30.0 - 35.0	2.23	2.58	2.16	2.05	2.48	2.60	2.00	2.01	2.43	2.00	2.43	4.56
OU2MW-15D	40.0 - 45.0	2.26	2.60	2.38	2.22	2.45	2.56	2.16	2.15	2.48	2.02	2.48	4.53
OU2MW-16S	3.0 - 8.0	2.34	2.80	NC	2.26	2.66	3.00	2.34	2.17	2.55	2.11	2.63	4.73
OU2MW-16I	15.0 - 20.0	2.26	2.75	NC	2.23	2.48	2.78	2.29	2.21	2.53	2.12	2.57	4.63
OU2MW-16I2	25.0 - 30.0	2.30	2.76	NC	2.21	2.34	2.55	2.23	2.19	2.55	2.04	2.54	4.66
OU2MW-16D	35.0 - 40.0	2.28	2.72	NC	2.21	2.56	2.79	3.51	2.18	2.69	2.14	2.65	4.67
OU2MW-17S	5.0 - 10.0	NC	12.05	12.70	13.56	13.00	12.90	12.69	12.44	12.86	12.05	12.78	13.56
OU2MW-17I	13.0 - 23.0	NC	12.07	12.71	13.50	12.92	12.97	12.83	12.65	12.99	12.07	12.83	13.50
OU2MW-17I2	35.0 - 45.0	NC	12.05	12.66	13.47	12.92	12.99	12.76	12.65	12.84	12.05	12.79	13.47
OU2MW-17D	60.0 - 70.0	NC	12.05	12.66	13.35	12.83	12.89	12.59	12.53	12.71	12.05	12.70	13.35
OU2MW-18I	13.0 - 23.0	NC	12.04	12.63	13.83	12.73	12.86	12.89	12.86	12.92	12.04	12.85	13.83
OU2MW-18I2	35.0 - 45.0	NC	11.99	12.60	13.79	12.74	12.86	12.75	12.75	12.87	11.99	12.79	13.79
OU2MW-18D	60.0 - 70.0	NC	12.02	12.63	13.87	12.58	12.88	12.72	12.79	12.86	12.02	12.79	13.87
OU2MW-39S	5.0 - 15.0	11.43	11.22	11.83	12.15	11.76	12.21	12.21	12.26	12.18	11.22	12.15	13.88
OU2MW-39I	25.0 - 30.0	11.44	11.20	11.82	12.13	11.88	12.27	12.38	12.32	12.15	11.20	12.12	13.86
OU2MW-39I2	45.0 - 50.0	11.42	11.19	11.83	12.14	11.62	12.07	12.17	12.15	11.99	11.19	12.28	15.26
OU2MW-39D	70.0 - 75.0	11.43	11.19	11.84	12.13	11.23	12.08	12.13	12.17	11.98	11.19	12.02	13.85
OU2MW-49S	3.0 - 13.0	NC	12.51	13.23	13.58	13.14	13.53	13.54	13.29	13.66	12.51	13.31	13.66
OU2MW-49I	25.0 - 30.0	NC	12.91	13.65	13.99	13.54	13.78	13.79	13.46	13.82	12.91	13.62	13.99
OU2MW-49I2	45.0 - 50.0	NC	12.50	13.26	13.58	12.97	13.39	13.22	12.90	13.23	12.50	13.13	13.58
OU2MW-49D	63.0 - 68.0	NC	12.49	12.80	13.57	13.00	13.22	13.38	13.13	13.40	12.49	13.12	13.57
OU2MW-50S	5.0 - 15.0	NC	NC	NC	13.54	13.24	13.55	13.48	13.43	13.48	13.24	13.45	13.55
OU2MW-50I	25.0 - 30.0	NC	NC	NC	13.44	13.14	13.52	13.36	13.28	13.44	13.14	13.36	13.52
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	13.53	13.23	13.51	13.43	13.33	13.47	13.23	13.42	13.53
OU2MW-50D	65.0 - 70.0	NC	NC	NC	13.57	13.25	13.54	13.55	13.48	13.51	13.25	13.48	13.57
OU2MW-51S	5.0 - 15.0	NC	NC	NC	13.32	13.29	13.46	13.33	13.42	13.47	13.29	13.38	13.47
OU2MW-51I	25.0 - 30.0	NC	NC	NC	13.28	13.20	13.47	13.40	13.34	13.47	13.20	13.36	13.47
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	13.40	13.25	13.52	13.45	13.41	13.53	13.25	13.43	13.53
OU2MW-51D	61.0 - 66.0	NC	NC	NC	13.38	13.27	13.46	13.42	13.40	13.41	13.27	13.39	13.46
OU2MW-52S	3.0 - 8.0	1.47	2.23	2.33	1.35	2.00	2.11	1.29	0.58	1.91	0.58	1.84	3.17
OU2MW-52I	20.0 - 25.0	1.46	2.19	2.09	1.19	1.73	2.12	1.08	0.27	1.94	0.27	1.74	3.36
OU2MW-52D	35.0 - 40.0	1.44	2.12	2.10	1.23	1.55	2.13	1.15	0.40	1.85	0.40	1.73	3.35
OU2MW-53S	3.0 - 8.0	1.13	1.69	NC	1.03	0.93	1.73	0.64	0.34	1.49	0.34	1.34	3.12
OU2MW-53I	20.0 - 25.0	1.13	1.83	NC	0.90	0.89	1.83	0.68	0.36	1.36	0.36	1.25	2.31
OU2MW-53D	35.0 - 40.0	1.14	1.84	NC	1.13	1.06	1.82	0.70	0.51	1.45	0.51	1.21	1.84
OU2MW-54S	5.0 - 15.0	NC	12.29	12.99	13.04	13.07	13.15	13.19	12.77	13.42	12.29	12.99	13.42
OU2MW-54I	25.0 - 30.0	NC	12.22	13.00	14.94	12.93	13.08	13.04	12.73	13.20	12.22	13.14	14.94
OU2MW-54I2	40.0 - 45.0	NC	12.25	12.74	12.55	12.81	13.13	13.07	12.55	13.18	12.25	12.79	13.18
OU2MW-54D	60.0 - 65.0	NC	12.26	13.27	13.28	13.21	13.13	13.35	12.85	13.21	12.26	13.07	13.35
OU2MW-57S	5.0 - 15.0	NC	12.40	12.59	13.44	13.40	13.30	13.61	12.94	13.34	12.40	13.13	13.61
OU2MW-57I	20.0 - 30.0	NC	12.42	12.90	13.46	13.03	NC	13.16	12.68	13.17	12.42	12.97	13.46
OU2MW-57I2	35.0 - 45.0	NC	12.43	13.33	13.44	13.03	13.33	13.40	12.79	13.40	12.43	13.14	13.44
OU2MW-58S	5.0 - 15.0	NC	NC	NC	13.00	12.89	13.09	13.71	12.72	13.11	12.72	13.09	13.71
OU2MW-58I	25.0 - 30.0	NC	NC	NC	13.00	12.93	13.05	13.07	12.60	13.14	12.60	12.97	13.14

Notes:
 NC - Not Calculated
 bgs - below ground surface
 Well Elevations obtained from 2007 survey or later and reference NAVD88 datum.

Table 3-5
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-09S	4/2/2013	11:43	21.93	NM	NC	
BBMW-09I	4/2/2013	11:43	22.01	7.49	14.52	
BBMW-09D	4/2/2013	11:44	22.43	7.50	14.93	
BBMW-28S	4/2/2013	10:55	16.43	2.50	13.93	
BBMW-28I	4/2/2013	10:57	16.43	2.57	13.86	
BBMW-29	4/2/2013	15:20	15.82	3.62	12.20	
BBMW-30S	4/2/2013	14:07	16.02	2.17	13.85	
BBMW-30I	4/2/2013	14:09	15.69	2.02	13.67	
BBMW-30D	4/2/2013	14:11	16.53	2.70	13.83	
BBMW-31S	4/2/2013	11:00	13.49	2.30	11.19	
BBMW-31I	4/2/2013	11:02	13.33	2.36	10.97	
BBMW-31D	4/2/2013	11:04	13.37	2.27	11.10	
BBMW-32S	4/2/2013	15:35	14.44	2.11	12.33	
BBMW-32I	4/2/2013	15:37	15.50	2.08	13.42	
BBMW-32D	4/2/2013	15:40	14.54	2.07	12.47	
BBMW-33	4/2/2013	15:12	16.58	3.17	13.41	
GM-02AS	4/2/2013	15:45	20.79	9.92	10.87	
GM-02AI	4/2/2013	15:47	20.75	9.86	10.89	
GM-02AD	4/2/2013	15:50	20.74	9.68	11.06	
MW-01S	4/2/2013	14:57	19.34	3.18	16.16	
MW-01D	4/2/2013	14:58	19.48	3.32	16.16	
MW-03	4/2/2013	13:05	19.30	3.78	15.52	
MW-04	4/2/2013	13:07	19.16	3.99	15.17	
MW-29S	4/2/2013	15:02	18.34	2.52	15.82	
MW-29D	4/2/2013	15:05	18.44	2.58	15.86	
MW-30WR	4/2/2013	15:25	14.83	2.10	12.73	
MW-32W/WR	4/2/2013	14:32	14.65	1.39	13.26	
MW-34S	4/2/2013	14:48	15.69	2.03	13.66	
MW-34I	4/2/2013	14:50	15.73	2.08	13.65	
MW-34D	4/2/2013	14:51	15.58	1.94	13.64	
MW-45W	4/2/2013	14:25	15.20	1.54	13.66	
MW-46W-R	4/2/2013	14:27	15.40	1.97	13.43	
MW-64	4/2/2013	9:00	16.03	1.57	14.46	
MW-65	4/2/2013	13:30	15.62	1.14	14.48	
MW-73	4/2/2013	9:05	15.75	1.47	14.28	
MW-73I	4/2/2013	9:07	16.32	2.00	14.32	
MW-75	4/2/2013	9:58	16.09	1.13	14.96	
MW-75I	4/2/2013	10:00	16.07	1.00	15.07	
MW-76	4/2/2013	13:32	15.15	0.78	14.37	
MW-78	4/2/2013	9:10	15.04	0.50	14.54	
MW-79	4/2/2013	13:40	15.32	0.86	14.46	
MW-80	4/2/2013	9:48	15.60	1.17	14.43	
MW-81	4/2/2013	9:50	15.47	1.04	14.43	
MW-82	4/2/2013	9:52	15.01	0.61	14.40	
MW-83	4/2/2013	13:35	15.02	0.44	14.58	
MWBS-02S	4/2/2013	10:30	13.58	2.31	11.27	
MWBS-02I	4/2/2013	10:30	13.46	1.78	11.68	
MWBS-02D	4/2/2013	10:38	13.54	1.90	11.64	
OU3MW-01S	4/2/2013	14:05	15.56	1.51	NC	Unable to access
OU3MW-02S	4/2/2013	14:15	15.16	1.40	13.76	
OU3MW-02I	4/2/2013	14:17	15.14	1.47	13.67	
OU3MW-04S	4/2/2013	13:18	14.80	1.80	13.00	
OU3MW-04I	4/2/2013	13:17	14.76	1.79	12.97	
OU3MW-04D	4/2/2013	13:15	14.84	1.87	12.97	
OU3MW-05S	4/2/2013	14:38	15.96	2.87	13.09	
OU3MW-05I	4/2/2013	14:40	15.90	2.82	13.08	
OU3MW-08S	4/2/2013	11:24	21.28	6.48	14.80	
OU3MW-08I	4/2/2013	11:22	21.42	6.62	14.80	
OU3MW-09S	4/2/2013	11:22	21.31	6.40	14.91	
OU3MW-09I	4/2/2013	11:30	21.41	6.42	14.99	
OU3MW-09I2	4/2/2013	11:32	21.24	6.52	14.72	
OU3MW-10S	4/2/2013	11:32	21.70	6.88	14.82	
OU3MW-10I	4/2/2013	11:34	21.70	6.80	14.90	
OU3MW-11S	4/2/2013	11:36	21.64	6.80	14.84	
OU3MW-11I	4/2/2013	11:35	21.62	6.85	14.77	

Table 3-5
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU3MW-12S	4/2/2013	11:54	22.05	7.00	15.05	
OU3MW-12I	4/2/2013	11:52	22.07	7.34	14.73	
OU3MW-13S	4/2/2013	9:35	15.51	1.07	14.44	
OU3MW-14S	4/2/2013	9:30	15.91	1.51	14.40	
OU3MW-15S	4/2/2013	10:00	15.38	0.79	14.59	
OU3MW-16S	4/2/2013	11:05	21.42	6.52	14.90	
PDMW-01	4/2/2013	13:00	19.29	4.07	15.22	
SV-02	4/2/2013	9:23	17.37	2.60	14.77	
SV-02I	4/2/2013	9:22	17.63	1.41	16.22	
SV-02I2	4/2/2013	9:20	17.49	1.63	15.86	
BBSW-13*	4/2/2013	15:30	13.07	2.52	10.55	Cooper Lane near unnamed pond

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level
- NM - Not Measured
- NA - Not Applicable
- NC - Not Calculated
- * - Surface Water Gauging Station

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Dec-78	Oct-92	Jun-97	Aug-97	Mar-98	Jun-98	Nov-99	Jun-01	Jul-01	Oct-01	Jun-02	Aug-02
BBMW-09S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.84	12.61
BBMW-09I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.82	12.60
BBMW-09D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	14.08	NC	NC	NC	14.78	12.61
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
GM-02AS	8.91 - 23.91	10.17	10.19	NC	NC	NC	NC	10.43	NC	NC	NC	10.33	NC
GM-02AI	35.24 - 50.24	10.12	10.21	NC	NC	NC	NC	10.46	NC	NC	NC	10.35	NC
GM-02AD	59.8 - 74.8	10.38	10.42	NC	NC	NC	NC	10.63	NC	NC	NC	10.44	NC
MW-01S	4.0 - 14.0	NC	NC	14.88	NC	NC	NC	NC	15.39	NC	NC	NC	NC
MW-01D	35.0 - 45.0	NC	NC	14.74	NC	NC	NC	NC	15.57	NC	NC	NC	NC
MW-02S/SR	2.0 - 12.0	NC	14.67	NC	14.35	16.41	15.77	15.15	15.47	14.42	13.70	15.47	13.02
MW-02I/R	22.5 - 23.5	NC	NC	NC	15.10	16.74	NC	15.46	NC	NC	NC	20.02	NC
MW-03	4.94 - 14.94	NC	NC	15.19	14.34	16.2	15.65	14.8	NC	NC	NC	13.53	13.18
MW-04	5.1 - 15.1	NC	NC	NC	14.09	NC	15.38	14.59	NC	NC	NC	14.85	12.98
MW-16S/SR	2.0 - 10.0	NC	NC	NC	NC	15.32	14.8	13.88	14.34	13.66	13.25	14.98	12.35
MW-16I	14.0 - 19.0	NC	NC	NC	NC	15.66	15.11	14.22	NC	NC	NC	14.92	12.7
MW-29S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	15.12	NC	NC	NC	NC	13.55
MW-29D	14.0 - 19.0	NC	NC	NC	NC	16.52	NC	15.11	NC	NC	NC	NC	13.53
MW-30W	2.0 - 10.0	NC	NC	15.20	14.57	15.89	15.37	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-34S	2.0 - 10.0	NC	NC	13.42	12.76	14.2	13.64	NC	NC	NC	NC	NC	NC
MW-34I	18.5 - 19.5	NC	NC	NC	12.77	14.17	13.66	13.12	NC	NC	NC	13.05	NC
MW-34D	27.5 - 28.5	NC	NC	NC	12.78	14.64	13.68	13.12	NC	NC	NC	13.07	NC
MW-45W	2.0 - 10.0	NC	NC	13.55	12.85	14.34	13.82	NC	NC	NC	NC	NC	NC
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	NC	NC	NC	NC	15.4	14.85	13.94	NC	NC	NC	NC	NC
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-73	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-73I	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-76	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-78	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-79	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-80	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-81	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-82	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Dec-78	Oct-92	Jun-97	Aug-97	Mar-98	Jun-98	Nov-99	Jun-01	Jul-01	Oct-01	Jun-02	Aug-02
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02D	24.5 - 25.5	NC	NC	NC	10.39	11.57	11.32	11.00	NC	NC	NC	11.30	NC
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-15S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-02	Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05
BBMW-09S	5.0 - 15.0	14.85	15.27	15.28	14.22	NC	14.65	15.41	14.05	14.48	15.17	14.99	13.79
BBMW-09I	30.0 - 40.0	14.84	15.27	15.25	14.22	NC	14.64	15.39	14.04	14.47	15.16	14.97	13.80
BBMW-09D	62.0 - 72.0	14.81	15.25	15.28	14.22	NC	14.63	16.37	14.04	14.48	15.16	14.99	13.80
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.31	14.05	12.96
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.28	14.04	12.94
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.41	12.22	11.28
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
GM-02AS	8.91 - 23.91	NC	11.03	11.03	10.23	NC	10.69	11.86	10.08	10.35	10.94	10.90	9.94
GM-02AI	35.24 - 50.24	NC	NC	NC	10.24	NC	10.74	11.87	10.10	10.37	10.96	10.92	9.96
GM-02AD	59.8 - 74.8	NC	11.32	11.22	10.42	NC	10.97	12.03	10.25	10.59	11.17	11.11	10.06
MW-01S	4.0 - 14.0	13.64	15.89	16.59	16.54	15.93	NC	15.93	17.36	15.33	15.77	16.47	16.38
MW-01D	35.0 - 45.0	13.66	15.88	16.61	16.58	15.64	NC	15.95	17.38	15.37	15.80	16.46	16.40
MW-02S/SR	2.0 - 12.0	NC	NC	NC	NC	14.79	14.93	16.47	NC	14.58	15.29	15.09	NC
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	NC	NC	NC	NC	14.11	NC	NC	NC
MW-03	4.94 - 14.94	15.32	15.98	16.00	15.02	NC	15.31	16.77	14.67	15.18	15.85	15.73	14.49
MW-04	5.1 - 15.1	16.28	19.16	15.84	14.89	NC	NC	16.61	14.57	15.19	15.55	15.55	14.34
MW-16S/SR	2.0 - 10.0	15.04	15.50	15.40	14.35	NC	14.79	16.47	NC	14.14	14.96	15.15	13.52
MW-16I	14.0 - 19.0	14.89	15.32	15.29	14.28	NC	14.71	16.08	NC	14.64	15.25	15.13	NC
MW-29S	5.0 - 10.0	15.69	16.30	16.24	15.35	NC	15.64	17.84	15.09	15.48	16.17	16.02	14.84
MW-29D	14.0 - 19.0	15.68	16.34	NC	15.34	NC	15.65	17.03	15.08	15.48	16.15	16.01	14.83
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.30	15.09	14.17
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.57	13.36	12.36
MW-34S	2.0 - 10.0	NC	14.13	14.07	13.01	NC	13.52	14.8	12.97	13.28	14.00	13.73	12.73
MW-34I	18.5 - 19.5	NC	14.08	14.02	12.98	NC	13.48	14.76	12.92	13.25	13.97	13.72	12.74
MW-34D	27.5 - 28.5	NC	14.07	14.03	12.98	NC	13.47	14.8	12.93	13.26	13.97	13.72	12.75
MW-45W	2.0 - 10.0	NC	NC	NC	13.32	NC	13.71	14.87	13.20	13.40	14.13	13.97	12.85
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	NC	NC	NC	13.95	NC	14.87	15.77	13.85	14.21	NC	14.73	13.58
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-73	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-73I	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-76	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-78	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-79	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-80	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-81	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-82	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-02	Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.97	11.58	11.44	10.59
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	NC	10.69	10.91	11.57	11.42	10.55
MWBS-02D	24.5 - 25.5	NC	NC	NC	NC	NC	NC	NC	10.69	10.95	11.45	11.44	10.61
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-15S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08
BBMW-09S	5.0 - 15.0	15.55	15.43	14.93	14.63	15.09	15.02	15.44	14.67	13.75	14.72	15.29	14.12
BBMW-09I	30.0 - 40.0	15.54	15.42	14.92	14.63	15.10	15.02	15.44	14.69	13.76	14.72	15.30	14.11
BBMW-09D	62.0 - 72.0	15.52	15.42	14.93	14.63	15.11	15.01	15.45	14.65	13.74	14.72	15.30	14.12
BBMW-28S	2.0 - 12.0	14.45	14.35	13.97	13.65	14.11	14.07	14.36	13.72	12.89	13.74	14.28	13.23
BBMW-28I	10.0 - 20.0	14.45	14.34	13.96	13.63	14.09	14.06	14.34	13.71	12.88	13.73	14.29	13.22
BBMW-29	2.0 - 9.0	12.53	12.46	12.17	11.80	12.28	12.25	12.53	11.87	11.30	12.03	12.45	11.54
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	13.68	12.93	13.71	14.22	13.21
BBMW-30I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	13.70	12.92	13.67	14.24	13.21
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	13.67	12.91	13.64	14.20	13.16
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	10.76	10.51	11.13	11.40	10.46
BBMW-31I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.40	10.45
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.42	10.46
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	12.15	11.58	12.29	12.72	11.75
BBMW-32I	14.0 - 19.0	NC	NC	NC	NC	NC	NC	NC	13.16	12.59	13.30	13.72	12.74
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	13.09	11.56	12.26	12.69	11.71
BBMW-33	7.0 - 12.0	NC	NC	NC	13.22	13.72	13.59	13.93	13.24	12.56	13.39	13.85	12.78
GM-02AS	8.91 - 23.91	11.24	11.09	10.83	10.38	10.93	10.94	11.31	10.46	10.10	10.73	11.03	10.06
GM-02AI	35.24 - 50.24	11.26	11.11	10.85	10.40	10.96	10.94	11.33	10.48	10.12	10.76	11.04	10.07
GM-02AD	59.8 - 74.8	11.47	11.36	11.05	10.52	11.16	11.20	11.51	10.61	10.26	11.74	11.27	10.18
MW-01S	4.0 - 14.0	15.08	16.95	16.77	16.28	16.01	16.39	16.37	16.79	16.01	15.93	16.59	15.38
MW-01D	35.0 - 45.0	15.21	16.87	16.79	16.30	16.07	16.40	16.38	16.80	16.00	15.95	16.61	15.41
MW-02S/SR	2.0 - 12.0	NC	NC	NC	14.77	15.23	15.13	15.58	14.86	13.87	14.87	15.49	14.23
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	NC	NC	NC	NC	13.83	14.56	15.29	14.18
MW-03	4.94 - 14.94	16.28	16.15	15.65	15.38	15.79	15.74	16.16	15.38	14.43	15.39	16.02	14.81
MW-04	5.1 - 15.1	16.13	15.90	15.45	15.19	15.56	15.52	15.73	15.14	14.20	15.07	NC	14.58
MW-16S/SR	2.0 - 10.0	15.70	15.6	15.01	14.75	15.29	15.11	15.92	15.03	13.89	14.81	16.14	14.22
MW-16I	14.0 - 19.0	15.56	15.46	14.98	14.7	15.15	15.07	15.66	14.77	13.84	14.93	15.35	14.22
MW-29S	5.0 - 10.0	16.53	16.39	15.91	15.69	16.07	16.00	16.41	15.67	NC	15.66	16.23	15.10
MW-29D	14.0 - 19.0	16.52	16.38	15.91	15.68	16.06	16.00	16.40	15.66	NC	15.63	16.22	15.08
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	15.40	15.34	15.03	14.69	15.13	15.10	15.40	14.74	11.83	12.58	13.04	12.07
MW-32W/WR	2.0 - 10.0	13.72	13.6	13.26	12.96	13.41	13.32	13.64	12.99	12.30	13.09	13.56	12.64
MW-34S	2.0 - 10.0	14.12	14.03	13.59	13.35	13.81	13.75	14.07	13.38	NC	13.48	14.00	12.94
MW-34I	18.5 - 19.5	14.12	14.01	13.65	13.35	13.80	13.75	14.07	13.38	NC	13.48	13.98	12.94
MW-34D	27.5 - 28.5	14.13	14.01	13.66	13.35	14.30	13.76	14.08	13.38	NC	13.38	13.98	12.94
MW-45W	2.0 - 10.0	14.26	14.15	13.78	13.49	13.97	13.88	14.22	13.51	12.79	13.56	NC	NC
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	15.09	15.07	14.61	14.24	14.75	14.72	14.99	14.35	13.49	14.33	14.95	13.84
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.88	13.75
MW-73	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-73I	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-76	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-78	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-79	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-80	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-81	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-82	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08
MWBS-02S	5.0 - 15.0	11.70	11.6	11.38	10.93	11.46	11.47	11.65	11.06	10.67	NC	NC	10.61
MWBS-02I	14.5 - 15.5	11.66	11.6	11.39	10.94	11.45	11.45	11.58	10.99	10.63	NC	NC	10.63
MWBS-02D	24.5 - 25.5	11.73	11.6	11.39	10.88	11.47	11.47	11.28	11.05	10.67	NC	NC	10.65
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-15S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

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 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11
BBMW-09S	5.0 - 15.0	14.82	14.86	15.22	15.06	14.21	15.29	16.78	14.13	13.68	14.44	14.79	14.35
BBMW-09I	30.0 - 40.0	14.81	14.90	15.23	15.09	14.21	15.30	16.77	14.26	13.79	14.54	14.90	14.45
BBMW-09D	62.0 - 72.0	14.83	14.88	15.24	15.06	14.21	15.28	16.76	14.24	13.74	14.54	14.89	14.46
BBMW-28S	2.0 - 12.0	13.94	13.92	14.30	14.06	13.25	14.30	15.33	13.26	12.96	13.69	13.97	13.54
BBMW-28I	10.0 - 20.0	13.94	13.90	14.29	14.05	13.24	14.38	15.32	13.24	12.93	13.66	13.96	13.52
BBMW-29	2.0 - 9.0	12.21	12.16	12.48	12.27	11.48	12.52	13.51	11.44	11.35	12.02	12.23	11.83
BBMW-30S	2.0 - 10.0	13.90	13.87	14.27	13.99	13.24	14.22	15.10	13.25	12.96	13.66	13.72	13.51
BBMW-30I	14.0 - 19.0	13.91	13.86	14.25	13.97	13.21	14.22	15.13	13.24	12.96	13.66	13.65	13.32
BBMW-30D	30.0 - 35.0	13.88	13.83	14.22	13.92	13.19	14.19	15.11	13.22	12.93	13.63	14.13	13.55
BBMW-31S	2.0 - 10.0	11.23	11.20	11.48	11.21	10.43	11.46	12.27	10.40	10.38	11.04	11.09	10.96
BBMW-31I	14.0 - 19.0	11.22	11.18	11.38	11.20	10.42	11.45	12.20	10.38	10.37	11.02	10.95	10.88
BBMW-31D	30.0 - 35.0	11.23	11.19	11.38	11.21	10.44	11.45	12.21	10.39	10.38	11.03	11.02	10.84
BBMW-32S	2.0 - 10.0	12.45	12.43	12.74	12.49	11.76	12.76	13.62	11.75	11.61	12.25	12.24	12.07
BBMW-32I	14.0 - 19.0	13.45	13.42	13.74	13.50	12.77	13.75	14.66	12.74	12.60	13.21	13.20	13.10
BBMW-32D	30.0 - 35.0	12.42	12.39	12.71	12.47	11.73	12.73	13.63	11.71	11.56	12.19	12.22	12.05
BBMW-33	7.0 - 12.0	13.53	13.48	13.89	13.65	12.84	13.86	14.93	12.81	13.60	NC	13.69	13.35
GM-02AS	8.91 - 23.91	10.85	10.84	10.93	10.86	10.04	11.14	12.21	9.97	9.96	10.61	10.83	10.46
GM-02AI	35.24 - 50.24	10.88	10.85	10.95	10.88	10.05	11.16	12.22	10.00	9.97	10.64	10.86	10.48
GM-02AD	59.8 - 74.8	11.04	11.05	11.36	11.04	10.25	11.37	12.44	10.13	10.16	10.79	11.02	10.60
MW-01S	4.0 - 14.0	16.08	NC	16.53	16.42	15.49	16.62	17.99	15.61	14.98	15.70	16.23	15.75
MW-01D	35.0 - 45.0	16.11	16.27	16.55	16.44	15.52	16.65	18.03	15.65	14.99	15.75	16.25	15.78
MW-02S/SR	2.0 - 12.0	14.97	14.98	15.32	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-02I/R	22.5 - 23.5	14.84	14.89	15.24	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03	4.94 - 14.94	15.49	15.62	15.97	15.81	14.91	16.02	17.58	15.01	14.47	15.23	15.61	15.03
MW-04	5.1 - 15.1	15.27	15.28	NC	15.50	14.82	15.73	NC	14.71	14.18	14.95	15.31	15.04
MW-16S/SR	2.0 - 10.0	14.94	15.00	15.97	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-16I	14.0 - 19.0	14.86	14.94	15.28	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-29S	5.0 - 10.0	15.76	15.88	16.18	16.00	15.14	16.24	17.43	15.29	14.77	15.49	15.84	15.45
MW-29D	14.0 - 19.0	15.75	15.88	16.16	16.00	15.17	16.25	17.44	15.29	14.77	15.47	15.89	15.44
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	12.8	12.75	13.14	12.83	12.04	13.10	14.15	12.05	11.95	12.58	12.81	12.45
MW-32W/WR	2.0 - 10.0	13.28	13.21	NC	13.36	12.58	13.61	NC	12.56	NC	NC	13.29	12.95
MW-34S	2.0 - 10.0	13.68	13.64	14.05	13.82	13.00	14.03	15.09	12.98	12.72	13.46	13.71	13.31
MW-34I	18.5 - 19.5	13.66	13.63	14.02	13.80	12.98	13.98	15.06	12.95	12.95	13.42	13.71	13.30
MW-34D	27.5 - 28.5	13.67	13.67	14.02	13.80	12.99	14.00	15.07	12.95	12.68	13.43	13.73	13.27
MW-45W	2.0 - 10.0	13.79	NC	14.16	14.21	13.18	NC	15.16	13.18	12.98	13.60	13.37	13.27
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.29
MW-64	19.0 - 24.0	14.52	14.58	14.90	14.65	13.87	14.90	15.75	13.96	13.50	14.21	14.54	14.11
MW-65	11.0 - 16.0	14.46	14.51	14.87	14.60	13.80	14.82	NC	13.80	13.44	14.18	14.52	14.05
MW-73	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	13.41	14.22	14.54	14.04
MW-73I	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-75	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	13.24	14.47	14.69	13.70
MW-75I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-76	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-78	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.23	14.60	14.13
MW-79	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.20	14.54	14.09
MW-80	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	13.48	14.22	14.65	14.09
MW-81	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.21	14.55	14.06
MW-82	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.09	14.63	14.07
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.09

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Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11
MWBS-02S	5.0 - 15.0	11.43	11.38	NC	11.70	10.43	11.65	NC	10.18	NC	11.17	11.32	11.04
MWBS-02I	14.5 - 15.5	11.41	11.34	NC	11.35	10.57	11.66	NC	10.54	NC	11.21	11.39	11.01
MWBS-02D	24.5 - 25.5	11.42	11.22	NC	11.44	10.62	11.49	NC	10.50	NC	11.19	11.35	11.04
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	14.35	15.28	13.43	13.14	13.78	14.11	13.69
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	13.10	14.10	15.05	13.10	12.88	13.55	13.57	13.13
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	13.09	14.03	15.05	13.01	12.81	13.47	13.54	13.07
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	12.34	13.39	14.42	12.31	12.17	12.81	13.09	12.79
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	12.33	13.37	14.39	12.31	12.15	12.79	13.06	12.73
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	12.31	13.36	14.38	12.26	12.09	12.78	13.04	12.70
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.59	14.89	14.46
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.58	14.89	14.48
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.64	15.02	14.62
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.58	14.94	14.53
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.62	15.02	14.58
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.59	14.97	14.55
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.54	14.94	14.46
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.54	14.91	14.46
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.83	15.19	14.76
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.84	15.20	14.77
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-15S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.77
SV-02	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.33	14.67	14.03
SV-02I	22.0 - 27.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SV-02I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level						
		Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	14.70	14.23	14.26	NC	12.61	14.71	16.78
BBMW-09I	30.0 - 40.0	14.81	14.78	14.36	14.52	12.60	14.74	16.77
BBMW-09D	62.0 - 72.0	14.80	15.14	14.38	14.93	12.61	14.77	16.76
BBMW-28S	2.0 - 12.0	13.86	13.81	13.51	13.93	12.89	13.86	15.33
BBMW-28I	10.0 - 20.0	14.13	14.06	13.48	13.86	12.88	13.87	15.32
BBMW-29	2.0 - 9.0	12.11	13.09	11.85	12.20	11.28	12.12	13.51
BBMW-30S	2.0 - 10.0	14.02	13.87	13.49	13.85	12.93	13.75	15.10
BBMW-30I	14.0 -19.0	13.48	13.40	13.48	13.67	12.92	13.67	15.13
BBMW-30D	30.0 - 35.0	14.24	14.14	13.47	13.83	12.91	13.76	15.11
BBMW-31S	2.0 - 10.0	11.08	11.13	11.02	11.19	10.38	11.04	12.27
BBMW-31I	14.0 -19.0	11.13	11.11	10.90	10.97	10.37	11.00	12.20
BBMW-31D	30.0 - 35.0	11.00	10.97	10.80	11.10	10.38	11.00	12.21
BBMW-32S	2.0 - 10.0	11.76	12.34	12.10	12.33	11.58	12.25	13.62
BBMW-32I	14.0 -19.0	13.35	13.38	13.11	13.42	12.59	13.28	14.66
BBMW-32D	30.0 - 35.0	12.33	12.34	12.18	12.47	11.56	12.31	13.63
BBMW-33	7.0 - 12.0	13.38	14.26	13.10	13.41	12.56	13.50	14.93
GM-02AS	8.91 - 23.91	10.99	10.98	10.51	10.87	9.94	10.70	12.21
GM-02AI	35.24 - 50.24	10.73	10.76	10.52	10.89	9.96	10.69	12.22
GM-02AD	59.8 - 74.8	10.84	10.73	10.72	11.06	10.06	10.90	12.44
MW-01S	4.0 - 14.0	16.07	16.04	15.66	16.16	13.64	16.05	17.99
MW-01D	35.0 - 45.0	16.11	16.13	15.69	16.16	13.66	16.07	18.03
MW-02S/SR	2.0 -12.0	NC	NC	NC	NC	13.02	14.96	16.47
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	13.83	15.36	20.02
MW-03	4.94 - 14.94	15.44	15.46	15.05	15.52	13.18	15.40	17.58
MW-04	5.1 - 15.1	15.19	15.17	14.78	15.17	12.98	15.24	19.16
MW-16S/SR	2.0 - 10.0	NC	NC	NC	NC	12.35	14.83	16.47
MW-16I	14.0 - 19.0	NC	NC	NC	NC	12.70	14.93	16.08
MW-29S	5.0 - 10.0	15.50	15.76	15.40	15.82	13.55	15.77	17.84
MW-29D	14.0 - 19.0	15.80	15.82	15.36	15.86	13.53	15.77	17.44
MW-30W	2.0 - 10.0	NC	NC	NC	NC	14.57	15.26	15.89
MW-30WR	2.0 - 10.0	12.70	12.12	12.44	12.73	11.83	13.47	15.40
MW-32W/WR	2.0 - 10.0	13.22	11.91	12.91	13.26	11.91	13.11	13.72
MW-34S	2.0 - 10.0	13.69	13.62	13.28	13.66	12.72	13.62	15.09
MW-34I	18.5 - 19.5	13.58	13.65	13.25	13.65	12.74	13.59	15.06
MW-34D	27.5 - 28.5	13.49	13.58	13.26	13.64	12.68	13.61	15.07
MW-45W	2.0 - 10.0	13.62	13.42	13.50	13.66	12.79	13.69	15.16
MW-46W-R	2.0 - 10.0	13.60	13.47	13.26	13.43	13.26	13.41	13.60
MW-64	19.0 - 24.0	14.44	14.39	14.06	14.46	13.49	14.48	15.77
MW-65	11.0 - 16.0	13.88	14.38	14.06	14.48	13.44	14.26	14.88
MW-73	2.0 - 12.0	14.35	14.42	14.03	14.28	13.41	14.16	14.54
MW-73I	2.0 - 12.0	14.38	14.33	14.01	14.32	14.01	14.26	14.38
MW-75	2.0 - 12.0	14.43	14.39	14.01	14.96	13.24	14.24	14.96
MW-75I	22.0 - 27.0	14.35	14.28	13.95	15.07	13.95	14.41	15.07
MW-76	2.0 - 12.0	NC	NC	13.92	14.37	13.92	14.15	14.37
MW-78	5.0 - 20.0	14.44	14.42	14.08	14.54	14.08	14.35	14.60
MW-79	5.0 - 20.0	14.43	14.39	14.04	14.46	14.04	14.31	14.54
MW-80	5.0 - 20.0	14.37	14.40	14.09	14.43	13.48	14.22	14.65
MW-81	5.0 - 20.0	13.47	14.36	14.03	14.43	13.47	14.16	14.55
MW-82	5.0 - 20.0	14.51	14.40	14.07	14.40	14.07	14.31	14.63
MW-83	5.0 - 20.0	14.45	14.33	14.07	14.58	14.07	14.30	14.58

Table 3-6
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level						
		Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
MWBS-02S	5.0 - 15.0	11.45	11.41	10.91	11.27	10.18	11.19	11.70
MWBS-02I	14.5 - 15.5	11.29	11.34	11.15	11.68	10.54	11.19	11.68
MWBS-02D	24.5 - 25.5	11.20	11.41	10.83	11.64	10.39	11.16	11.73
OU3MW-01S	3.0 - 13.0	14.49	14.04	NC	NC	13.14	14.03	15.28
OU3MW-02S	3.0 - 13.0	13.91	13.83	13.44	13.76	12.88	13.62	15.05
OU3MW-02I	15.0 - 20.0	13.34	13.40	13.33	13.67	12.81	13.48	15.05
OU3MW-04S	1.5 - 11.5	12.96	12.93	12.65	13.00	12.17	12.91	14.42
OU3MW-04I	16.0 - 21.0	12.86	12.92	12.63	12.97	12.15	12.88	14.39
OU3MW-04D	26.0 - 31.0	12.89	12.93	12.61	12.97	12.09	12.86	14.38
OU3MW-05S	2.0 - 12.0	NC	12.03	12.71	13.09	12.03	12.61	13.09
OU3MW-05I	15.0 - 20.0	NC	11.95	12.67	13.08	11.95	12.57	13.08
OU3MW-08S	2.0 - 12.0	14.68	14.78	14.42	14.80	14.42	14.66	14.89
OU3MW-08I	25.0 - 30.0	14.97	14.78	14.44	14.80	14.44	14.71	14.97
OU3MW-09S	2.0 - 12.0	15.00	15.01	14.58	14.91	14.58	14.83	15.02
OU3MW-09I	25.0 - 30.0	14.90	14.89	14.47	14.99	14.47	14.76	14.99
OU3MW-09I2	35.0 - 40.0	14.87	14.85	14.43	14.72	14.43	14.72	14.87
OU3MW-10S	2.0 - 12.0	14.99	14.98	14.56	14.82	14.56	14.80	15.02
OU3MW-10I	25.0 - 30.0	14.93	14.89	14.49	14.90	14.49	14.76	14.97
OU3MW-11S	2.0 - 12.0	14.83	14.81	14.40	14.84	14.40	14.69	14.94
OU3MW-11I	25.0 - 30.0	14.81	14.75	14.39	14.77	14.39	14.66	14.91
OU3MW-12S	2.0 - 12.0	15.11	15.09	14.66	15.05	14.66	14.96	15.19
OU3MW-12I	25.0 - 30.0	NC	17.82	17.47	14.73	14.73	15.81	17.82
OU3MW-13S	20. - 12.0	13.63	14.36	14.07	14.44	13.63	14.13	14.44
OU3MW-14S	2.0 - 12.0	NC	14.36	14.00	14.40	14.00	14.25	14.40
OU3MW-15S	2.0 - 12.0	14.38	14.34	14.01	14.59	14.01	14.33	14.59
OU3MW-16S	2.0 - 16.0	14.81	14.80	14.39	14.90	14.39	14.73	14.90
PDMW-01	5.0 - 20.0	15.17	15.33	14.71	15.22	14.71	15.04	15.33
SV-02	2.0 - 12.0	14.97	14.53	14.17	14.77	14.03	14.50	14.97
SV-02I	22.0 - 27.0	14.31	14.20	13.88	16.22	13.88	14.65	16.22
SV-02I2	35.0 - 40.0	14.26	14.21	13.90	15.86	13.90	14.56	15.86

Notes:

NC - Not Calculated

bgs - below ground surface

Well Elevations obtained from 2007 survey or later and reference NAVD88 datum.

Table 3-7
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Date of Measurement	Time of Measurement	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-02S	4/1/2013	10:05	15.34	2.30	13.04	
WCMW-02I	4/1/2013	10:06	15.23	2.16	13.07	
WCMW-02D	4/1/2013	10:07	15.15	1.87	13.28	
WCMW-04S	4/1/2013	8:50	19.27	5.19	14.08	
WCMW-04I	4/1/2013	8:49	19.21	5.21	14.00	
WCMW-04I2	4/1/2013	8:48	19.16	5.05	14.11	
WCMW-05S	4/1/2013	8:55	18.46	5.30	13.16	
WCMW-05I	4/1/2013	8:57	18.27	4.23	14.04	
WCMW-05I2	4/1/2013	8:57	18.39	4.35	14.04	
WCMW-06S	4/1/2013	9:40	17.13	3.54	13.59	
WCMW-06I	4/1/2013	9:41	17.30	3.60	13.70	
WCMW-06I2	4/1/2013	9:42	17.43	3.61	13.82	
WCMW-07S	4/1/2013	10:51	NS	2.81	NC	
WCMW-07I	4/1/2013	10:52	NS	2.65	NC	
WCMW-07I2	4/1/2013	10:53	NS	2.91	NC	
WCMW-08S	4/1/2013	11:08	17.64	2.90	14.74	
WCMW-08I	4/1/2013	11:09	17.72	2.97	14.75	
WCMW-08I2	4/1/2013	11:10	17.76	2.99	14.77	
WCMW-09S	NC	NC	18.02	NC	NC	Abandoned
WCMW-10S	4/1/2013	9:00	17.44	3.21	14.23	
WCMW-10D	4/1/2013	9:01	17.36	3.29	14.07	
WCMW-11S	4/1/2013	8:20	18.87	4.71	14.16	
WCMW-11I	4/1/2013	8:21	19.18	4.84	14.34	
WCMW-11D	4/1/2013	8:22	19.02	5.01	14.01	
WCMW-12S	4/1/2013	10:29	16.88	3.61	13.27	
WCMW-12I	4/1/2013	10:26	17.19	3.94	13.25	
WCMW-12D	4/1/2013	10:27	17.15	3.92	13.23	
WCMW-13S	4/1/2013	10:16	15.11	2.56	12.55	
WCMW-13I	4/1/2013	10:17	15.41	2.30	13.11	
WCMW-13D	4/1/2013	10:18	15.38	2.18	13.20	
WCMW-14S	4/1/2013	9:50	16.97	3.31	13.66	
WCMW-14I	4/1/2013	9:51	16.98	3.29	13.69	
WCMW-14I2	4/1/2013	9:52	17.01	3.34	13.67	
WCMW-14D	4/1/2013	9:53	17.04	3.15	13.89	
WCMW-18WT	4/1/2013	11:23	17.00	2.45	14.55	
WCMW-18S	4/1/2013	11:20	17.20	2.71	14.49	
WCMW-18I	4/1/2013	11:22	17.22	2.76	14.46	
WCMW-18I2	4/1/2013	11:21	17.22	2.76	14.46	
WCMW-19S	4/1/2013	9:19	16.68	1.91	14.77	
WCMW-19I	4/1/2013	9:20	16.92	2.10	14.82	
WCMW-19I2	4/1/2013	9:21	16.64	1.88	14.76	
WCMW-22S	4/1/2013	NC	18.66	NC	NC	Inaccessible
WCMW-22I	4/1/2013	NC	18.36	NC	NC	Inaccessible
WCMW-23S	4/1/2013	NC	19.13	NC	NC	Inaccessible
WCMW-23I	4/1/2013	NC	19.06	NC	NC	Inaccessible
WCMW-25I	4/1/2013	15:05	18.65	8.98	9.67	
WCMW-25D	4/1/2013	15:06	18.61	8.99	9.62	
WCMW-26S	4/1/2013	8:11	20.08	4.36	15.72	
WCMW-26I	4/1/2013	8:12	20.73	4.40	16.33	
WCMW-26I2	4/1/2013	8:13	20.98	4.43	16.55	
WCMW-29S	4/1/2013	9:09	18.08	3.78	14.30	
WCMW-29I	4/1/2013	9:10	18.09	3.75	14.34	
BBSW-14*	4/1/2013	10:17	15.05	3.10	11.95	Watchogue Creek at Union Blvd.

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level
- NS - Survey Data Not Available
- NM - Not Measured
- NA - Not Applicable
- NC - Not Calculated
- * - Surface Water Gauging Station

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-99	Jun-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Jun-04	Oct-04	Feb-05	May-05
WCMW-02S	3.0 - 13.0	NC	12.96	13.12	13.53	13.45	12.92	13.09	14.00	12.66	13.03	14.07	13.44
WCMW-02I	34.5 - 44.5	NC	12.86	13.03	13.43	13.34	12.86	13.01	13.96	12.56	12.95	13.52	13.41
WCMW-02D	62.0 - 72.0	NC	12.92	13.10	13.64	13.44	12.90	12.75	14.01	12.61	12.98	13.46	13.55
WCMW-04S	1.5 - 11.5	NC	NC	13.97	14.50	14.36	13.70	NC	15.06	13.39	13.83	14.46	14.32
WCMW-04I	19.0 - 24.0	NC	NC	13.94	14.49	14.36	13.70	NC	15.00	13.41	13.83	14.47	14.33
WCMW-04I2	29.85 - 34.85	NC	NC	14.05	14.58	14.43	13.79	NC	15.07	13.48	13.88	14.55	14.45
WCMW-05S	1.4 - 11.4	NC	NC	14.20	14.68	14.46	13.82	NC	15.05	13.48	13.97	14.66	14.39
WCMW-05I	19.61 - 24.61	NC	NC	13.98	14.51	14.40	13.76	NC	14.99	13.44	13.89	14.52	14.37
WCMW-05I2	29.46 - 34.46	NC	NC	14.02	14.54	14.43	13.81	NC	15.02	13.48	13.92	14.57	14.41
WCMW-06S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I	19.55 - 24.55	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I2	29.83 - 34.83	NC	NC	13.86	14.33	14.21	13.60	NC	14.79	13.27	13.74	14.39	14.22
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08S	4.2 - 9.2	NC	NC	14.55	15.14	15.02	14.32	14.57	15.59	14.00	14.45	15.11	15.01
WCMW-08I	19.2 - 24.2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08I2	26.9 - 31.9	NC	NC	14.55	15.13	15.05	14.33	14.59	15.61	14.03	14.47	15.14	15.03
WCMW-09S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-10S	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-10D	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11I	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11D	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Nov-99	Jun-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Jun-04	Oct-04	Feb-05	May-05
WCMW-29S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-29I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	May-08
WCMW-02S	3.0 - 13.0	12.25	13.69	13.53	13.22	12.95	13.39	13.35	13.60	12.95	12.35	13.07	13.54
WCMW-02I	34.5 - 44.5	12.28	13.75	13.61	13.28	12.98	13.43	13.41	13.67	12.98	12.34	13.11	13.62
WCMW-02D	62.0 - 72.0	12.34	13.84	13.64	13.32	12.98	13.47	13.44	13.70	13.02	12.39	13.16	13.65
WCMW-04S	1.5 - 11.5	13.10	14.73	14.59	14.23	13.90	14.36	14.33	14.58	13.83	13.18	13.97	14.57
WCMW-04I	19.0 - 24.0	13.10	14.73	14.59	14.23	13.90	14.36	14.35	14.59	13.84	13.20	14.02	14.59
WCMW-04I2	29.85 - 34.85	13.21	14.83	14.64	14.32	13.99	14.45	14.43	14.70	13.94	13.29	14.12	14.67
WCMW-05S	1.4 - 11.4	13.18	14.85	14.70	14.31	13.99	14.48	14.43	14.67	13.92	13.25	14.14	14.64
WCMW-05I	19.61 - 24.61	13.16	14.81	14.65	14.29	13.97	14.42	14.40	14.66	13.92	13.27	14.07	14.62
WCMW-05I2	29.46 - 34.46	13.17	14.84	14.68	14.33	13.98	14.46	14.44	14.70	13.95	13.31	14.08	14.66
WCMW-06S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.03	13.83	14.38
WCMW-06I	19.55 - 24.55	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.02	13.82	14.36
WCMW-06I2	29.83 - 34.83	12.98	14.62	NC	14.12	NC	NC	14.25	14.45	13.69	13.07	13.83	14.39
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08S	4.2 - 9.2	13.73	15.43	15.26	14.92	14.58	14.99	15.01	15.29	14.52	13.82	14.64	15.26
WCMW-08I	19.2 - 24.2	NC	NC	NC	NC	14.60	15.03	15.03	15.28	14.51	13.85	14.66	15.27
WCMW-08I2	26.9 - 31.9	13.77	15.44	15.27	14.92	14.59	15.02	15.02	15.28	14.52	13.82	14.74	15.25
WCMW-09S	5.0 - 15.0	NC	NC	15.05	14.71	14.39	14.81	14.82	15.08	14.32	13.64	14.45	15.04
WCMW-10S	15.0 - 20.0	NC	NC	NC	NC	NC	NC	14.57	17.44	NC	13.47	14.18	14.80
WCMW-10D	40.0 - 50.0	NC	NC	14.82	14.46	14.14	NC	14.57	17.36	NC	13.42	14.18	14.80
WCMW-11S	5.0 - 15.0	NC	NC	15.84	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11I	25.0 - 35.0	NC	NC	15.84	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11D	50.0 - 60.0	NC	NC	15.81	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.77
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.76
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.78
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.59
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.68
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.71
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.57
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.53
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.53
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.56
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	May-08
WCMW-29S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-29I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11
WCMW-02S	3.0 - 13.0	12.59	13.24	13.31	13.63	13.53	12.88	13.63	14.50	12.73	12.57	13.09	13.14
WCMW-02I	34.5 - 44.5	12.64	13.25	13.25	13.60	13.59	12.92	13.71	14.56	12.75	12.59	13.18	13.16
WCMW-02D	62.0 - 72.0	12.93	13.30	13.38	13.56	13.62	12.95	13.70	14.64	12.78	12.62	13.20	13.26
WCMW-04S	1.5 - 11.5	13.49	14.17	14.26	14.58	14.56	13.82	14.66	15.67	13.86	13.35	13.97	13.98
WCMW-04I	19.0 - 24.0	13.64	14.16	14.30	14.55	14.55	13.79	14.63	15.63	13.62	13.33	13.91	13.92
WCMW-04I2	29.85 - 34.85	13.45	14.26	14.39	14.62	14.63	13.95	14.66	15.60	13.70	13.37	13.87	13.89
WCMW-05S	1.4 - 11.4	13.59	14.32	14.40	14.66	14.62	13.97	14.66	15.57	13.91	13.43	14.01	14.53
WCMW-05I	19.61 - 24.61	13.57	14.23	14.36	14.61	14.65	13.89	14.62	15.60	13.68	13.42	14.01	14.42
WCMW-05I2	29.46 - 34.46	13.65	14.28	14.40	14.62	14.67	13.92	14.68	15.67	13.74	13.47	14.04	14.60
WCMW-06S	2.0 - 12.0	13.40	14.01	14.18	14.07	14.35	13.60	14.38	14.76	14.39	13.24	13.77	13.71
WCMW-06I	19.55 - 24.55	13.31	13.99	14.07	14.04	14.34	13.65	14.42	14.91	14.50	13.20	13.72	13.74
WCMW-06I2	29.83 - 34.83	13.37	14.02	14.11	14.17	14.38	13.68	14.48	14.99	14.55	13.26	13.80	13.87
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08S	4.2 - 9.2	14.14	14.78	14.99	15.21	15.20	14.43	15.24	16.16	14.31	13.89	14.52	14.54
WCMW-08I	19.2 - 24.2	14.13	14.80	15.01	15.24	15.21	14.47	15.27	16.19	14.33	13.93	14.55	14.48
WCMW-08I2	26.9 - 31.9	14.11	14.79	14.99	15.22	15.23	14.44	15.28	16.20	14.35	13.92	14.56	14.55
WCMW-09S	5.0 - 15.0	13.94	14.60	14.75	15.03	15.03	14.30	15.08	15.98	14.13	13.73	14.34	14.64
WCMW-10S	15.0 - 20.0	13.69	14.37	14.53	14.78	14.72	14.05	14.78	15.76	13.88	13.64	14.13	14.14
WCMW-10D	40.0 - 50.0	13.74	14.37	13.52	14.78	14.71	13.99	14.82	15.76	13.89	13.47	14.16	14.11
WCMW-11S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.43	9.06	14.13
WCMW-11I	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.64	14.07	14.74
WCMW-11D	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.31	14.06	14.44
WCMW-12S	3.0 - 13.0	12.82	13.42	13.46	13.75	13.73	13.07	13.83	13.43	12.92	12.71	13.18	13.15
WCMW-12I	25.0 - 30.0	12.82	13.43	13.46	13.70	13.73	13.05	13.79	13.77	12.93	12.71	13.25	13.23
WCMW-12D	65.0 - 70.0	12.81	13.44	13.49	13.77	13.74	13.06	13.84	13.78	12.96	12.76	13.25	13.26
WCMW-13S	3.0 - 13.0	12.71	13.30	13.37	13.56	13.66	12.95	13.62	14.10	12.81	12.64	NC	11.35
WCMW-13I	25.0 - 30.0	12.74	13.33	13.41	13.62	13.60	12.97	13.69	14.46	12.95	12.75	NC	11.72
WCMW-13D	65.0 - 70.0	12.92	13.37	13.47	13.68	13.66	13.01	13.73	14.47	12.89	12.70	NC	11.68
WCMW-14S	2.0 - 12.0	13.80	14.20	14.34	14.49	14.24	12.84	14.30	15.30	13.39	13.17	13.71	13.73
WCMW-14I	20.0 - 25.0	13.50	14.15	14.25	14.33	14.52	13.79	14.19	14.82	13.60	13.38	14.03	14.01
WCMW-14I2	30.0 - 35.0	13.18	14.16	14.28	14.41	14.52	13.83	14.55	14.83	13.61	13.41	14.03	13.64
WCMW-14D	67.0 - 72.0	12.42	14.20	14.43	14.45	14.65	13.91	14.78	15.37	13.79	13.54	13.93	14.36
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	15.18	14.51	15.10	15.95	14.22	13.61	14.40	14.34
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	15.13	14.43	15.10	16.05	14.22	13.83	14.45	14.49
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	15.17	14.43	15.11	16.06	14.21	13.81	14.48	14.48
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	15.17	14.42	15.04	16.03	14.19	13.80	14.44	14.44
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	14.71	15.56	16.63	14.62	14.15	14.81	14.79
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	14.69	15.43	16.53	14.61	14.13	14.80	14.92
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	14.65	15.48	16.54	14.59	14.13	14.78	14.84
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.86	15.90	NC	13.52	14.42	14.48
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.78	15.76	NC	13.47	13.84	14.47
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	15.62	NC	13.25	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	15.64	NC	13.23	NC	NC
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	14.34	15.10	13.41	13.11	13.69	14.07
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	14.16	15.07	13.34	13.04	13.66	14.07
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	16.27	17.37	NC	15.00	15.64	15.98
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	16.83	17.91	NC	15.57	16.19	16.54
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	17.13	18.16	NC	15.79	16.48	16.79

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level											
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11
WCMW-29S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.64	14.24	14.23
WCMW-29I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.58	14.18	14.20

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level							
		Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
WCMW-02S	3.0 - 13.0	12.87	12.71	13.32	15.34	13.04	12.25	13.26	15.34
WCMW-02I	34.5 - 44.5	12.82	12.64	13.24	15.23	13.07	12.28	13.24	15.23
WCMW-02D	62.0 - 72.0	12.86	12.85	13.40	15.15	13.28	12.34	13.29	15.15
WCMW-04S	1.5 - 11.5	13.89	14.71	14.16	19.27	14.08	13.10	14.30	19.27
WCMW-04I	19.0 - 24.0	13.80	14.60	13.99	19.21	14.00	13.10	14.28	19.21
WCMW-04I2	29.85 - 34.85	13.79	14.20	14.07	19.16	14.11	13.21	14.33	19.16
WCMW-05S	1.4 - 11.4	14.02	14.21	14.30	18.46	13.16	13.16	14.34	18.46
WCMW-05I	19.61 - 24.61	14.16	13.88	14.07	18.27	14.04	13.16	14.30	18.27
WCMW-05I2	29.46 - 34.46	14.43	14.01	14.07	18.39	14.04	13.17	14.35	18.39
WCMW-06S	2.0 - 12.0	NC	8.08	NC	17.13	13.59	8.08	13.77	17.13
WCMW-06I	19.55 - 24.55	13.59	8.19	NC	17.30	13.70	8.19	13.78	17.30
WCMW-06I2	29.83 - 34.83	13.59	8.36	NC	17.43	13.82	8.36	13.93	17.43
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	0.00	0.00	0.00
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	0.00	0.00	0.00
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	0.00	0.00	0.00
WCMW-08S	4.2 - 9.2	13.37	14.64	14.58	17.64	14.74	13.37	14.81	17.64
WCMW-08I	19.2 - 24.2	13.37	14.71	14.68	17.72	14.75	13.37	14.84	17.72
WCMW-08I2	26.9 - 31.9	13.44	14.67	14.73	17.76	14.77	13.44	14.84	17.76
WCMW-09S	5.0 - 15.0	NC	14.93	NC	NC	NC	13.64	14.64	15.98
WCMW-10S	15.0 - 20.0	14.07	13.81	14.14	17.44	14.23	13.47	14.57	17.44
WCMW-10D	40.0 - 50.0	14.04	13.89	14.15	17.36	14.07	13.42	14.50	17.36
WCMW-11S	5.0 - 15.0	NC	13.96	14.09	18.87	14.16	9.06	14.19	18.87
WCMW-11I	25.0 - 35.0	NC	14.29	14.11	19.18	14.34	13.64	15.03	19.18
WCMW-11D	50.0 - 60.0	NC	14.22	14.10	19.02	14.01	13.31	14.87	19.02
WCMW-12S	3.0 - 13.0	12.91	13.06	12.91	16.88	13.27	12.71	13.46	16.88
WCMW-12I	25.0 - 30.0	12.97	13.32	13.27	17.19	13.25	12.71	13.54	17.19
WCMW-12D	65.0 - 70.0	12.99	13.16	13.30	17.15	13.23	12.76	13.54	17.15
WCMW-13S	3.0 - 13.0	11.17	13.22	13.19	15.11	12.55	11.17	13.11	15.11
WCMW-13I	25.0 - 30.0	11.52	13.40	13.38	15.41	13.11	11.52	13.28	15.41
WCMW-13D	65.0 - 70.0	11.45	13.23	13.23	15.38	13.20	11.45	13.28	15.38
WCMW-14S	2.0 - 12.0	13.54	12.00	NC	16.97	13.66	12.00	14.01	16.97
WCMW-14I	20.0 - 25.0	13.76	11.93	NC	16.98	13.69	11.93	14.09	16.98
WCMW-14I2	30.0 - 35.0	13.74	11.93	NC	17.01	13.67	11.93	14.08	17.01
WCMW-14D	67.0 - 72.0	13.83	12.54	NC	17.04	13.89	12.42	14.22	17.04
WCMW-18WT	2.0 - 7.0	NC	14.17	14.49	17.00	14.55	13.61	14.79	17.00
WCMW-18S	2.0 - 12.0	NC	14.41	14.49	17.20	14.49	13.83	14.86	17.20
WCMW-18I	20.0 - 25.0	NC	14.51	14.50	17.22	14.46	13.81	14.87	17.22
WCMW-18I2	30.0 - 35.0	NC	14.47	14.49	17.22	14.46	13.80	14.85	17.22
WCMW-19S	2.0 - 12.0	14.59	14.77	14.80	16.68	14.77	14.15	15.07	16.68
WCMW-19I	20.0 - 25.0	14.58	15.04	14.81	16.92	14.82	14.13	15.11	16.92
WCMW-19I2	30.0 - 35.0	14.56	14.78	14.83	16.64	14.76	14.13	15.05	16.64
WCMW-22S	2.0 - 12.0	14.00	NC	NC	NC	NC	13.52	14.53	15.90
WCMW-22I	25.0 - 30.0	13.95	NC	NC	NC	NC	13.47	14.38	15.76
WCMW-23S	3.0 - 13.0	13.72	13.34	NC	NC	NC	13.25	13.98	15.62
WCMW-23I	25.0 - 30.0	13.73	13.36	NC	NC	NC	13.23	13.99	15.64
WCMW-25I	30.0 - 35.0	13.73	13.66	13.79	18.65	9.67	9.67	13.93	18.65
WCMW-25D	55.0 - 60.0	13.72	13.60	13.79	18.61	9.62	9.62	13.88	18.61
WCMW-26S	2.0 - 12.0	15.50	15.76	15.70	20.08	15.72	15.00	16.30	20.08
WCMW-26I	20.0 - 25.0	16.06	16.22	16.22	20.73	16.33	15.57	16.86	20.73
WCMW-26I2	30.0 - 35.0	16.31	16.61	16.45	20.98	16.55	15.79	17.13	20.98

Table 3-8
 Historical Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level							
		Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Minimum	Average	Maximum
WCMW-29S	2.0 - 12.0	13.99	14.09	14.25	18.08	14.30	13.64	14.60	18.08
WCMW-29I	20.0 - 25.0	14.01	14.06	14.24	18.09	14.34	13.58	14.59	18.09

Notes:
 NC - Not Calculated
 bgs - below ground surface
 Well Elevations obtained from 2007 survey or later and
 reference NAVD 88 datum.

Table 4-1
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-05D	64.0 - 74.0	--	--	1,523	943	--	0	600	--	--	1,890	--
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	16	0	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	--	--	--	--	--	0	--
BBMW-20S	4.0 - 14.0	--	--	--	15,140	--	6,190	11,700	--	--	10,876	--
BBMW-20I	35.0 - 45.0	--	--	--	40	--	193	170	--	--	110	--
BBMW-20D	62.0 - 72.0	--	--	--	3,505	--	9,639	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	13,610	--	25,800	6,030	20,000	25,200	12,960	13,800
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22	--	28	13	--
BBMW-22D	64.0 - 74.0	--	--	--	8,600	--	5,028	6,297	--	--	2,370	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-1
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	361	15	19	26	--	--	--	45	20	0	0
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	0	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300	--	--	21,660	--
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17	--	--	0	--
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0	--	--	0	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-1
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--

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 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	680	--	--	--	890	1,267	3,150	553
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	0	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	10,120	--	--	--	--	5,655	--	--	19,133	12,900
BBMW-20I	35.0 - 45.0	142	--	--	--	--	104	--	--	165	125
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	21,300	14,500	11,670	16,900	9,200	--	12,370	10,300	--	--
BBMW-22I	30.0 - 40.0	--	--	16	--	--	--	16	--	--	--
BBMW-22D	64.0 - 74.0	--	--	1,650	--	--	--	1,020	--	--	--
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	0	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	33	35	--	180	34	0	132	31	250	10
MW-03D	35.0 - 45.0	--	--	--	--	--	--	0	--	--	--
MW-05S	4.0 - 14.0	--	--	24,395	--	--	--	14,197	17,327	18,100	24,600
MW-05D	35.5 - 45.5	--	--	0	--	--	--	12	0	0	0
MW-09S	4.0 - 14.0	--	0	--	--	--	--	0	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--

Table 4-1
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	1,597	613	21	399	717	727	790	1,414	482	880
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	0	--	--	--	7	--
BBMW-13D	62.0 - 72.0	0	0	0	0	0	--	--	--	0	--
BBMW-20S	4.0 - 14.0	173	4,144	2,677	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	105	0	29	13	8	5	6	8	8	3
BBMW-20D	62.0 - 72.0	1,540	1,800	1,359	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	10,850	10,420	14,810	7,150	5,816	7,340	9,140	10,770	10,730	7,820
BBMW-22I	30.0 - 40.0	0	43	37	32	31	32	38	42	43	111
BBMW-22D	64.0 - 74.0	1,558	1,580	2,807	3,126	2,356	3,126	4,810	2,835	2,314	4,329
BBMW-26S	6.0 - 16.0	0	0	0	0	0	--	--	--	0	--
BBMW-26I	30.0 - 40.0	0	0	0	--	0	--	--	--	8	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	0	0	--	0	--	--	--	0	0
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	111	116	18	30	5	--	--	34	28
MW-03D	35.0 - 45.0	0	0	0	0	0	--	--	--	0	0
MW-05S	4.0 - 14.0	48,430	15,905	12,929	18,130	15,095	8,060	14,554	2,304	9,600	2,655
MW-05D	35.5 - 45.5	0	18	22	0	0	0	7	5	26	29
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	0	0	2	--	4	--	--	--	0	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	8
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	0
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	4,685	0	0	0	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	512	105	136	189	441	775
OZMW-16I2	35.0 - 45.0	--	--	--	--	3	4	8	2	12	92
OZMW-16D	55.0 - 65.0	--	--	--	--	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	1,664	78	52	25	141	17
OZMW-17I	20.0 - 30.0	--	--	--	--	1,316	82	23	40	74	42

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OZMW-17I2	35.0 - 45.0	--	--	--	--	0	0	0	0	0	36
OZMW-17D	53.0 - 63.0	--	--	--	--	0	0	0	0	0	0
OZMW-18S	5.0 - 15.0	--	--	--	--	3,160	54	212	24	244	0
OZMW-18I	20.0 - 30.0	--	--	--	--	3,600	169	25	84	178	149
OZMW-18I2	35.0 - 45.0	--	--	--	--	201	95	57	123	129	50
OZMW-18D	55.0 - 65.0	--	--	--	--	77	31	79	147	216	94
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	7,077	7,480	7,381	6,074	11,947	5,605
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	0	0	0	0	607	43
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	0	2	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	0	0	0
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	1,691
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	198
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	91
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-05D	64.0 - 74.0			933	893	850	884	1,211	1,041	14	4
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	0	0	0	14	0	0
BBMW-13D	62.0 - 72.0	--	--	0	2	0	0	0	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	5	10	12	10	3	1	27	114	6	10
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	9,600	10,010	9,920	9,280	7,350	5,860	10,540	9,110	2,834	8,720
BBMW-22I	30.0 - 40.0	199	170	164	257	218	251	270	231	256	279
BBMW-22D	64.0 - 74.0	4,010	1,692	921	1,893	1,972	1,781	2,102	1,842	501	1,962
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	1	0	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-34S	5.0 - 15.0	749	885	634	696	843	534	587	586	413	626
BBMW-34I	25.0 - 30.0	3,109	3,547	2,360	2,714	3,757	3,177	2,272	1,894	1,544	1,239
BBMW-34I2	40.0 - 45.0	196	192	174	219	229	283	171	154	135	82
BBMW-34D	65.0 - 70.0	8	0	0	0	0	0	0	14	0	0
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0
BBMW-35D	63.0 - 68.0	--	--	--	--	--	--	0	2	0	0
BBMW-36S	5.0 - 15.0	--	7	8	24	7	6	6	0	6	0
BBMW-36I	25.0 - 30.0	--	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	271
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	1,082
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	412
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	8
BBMW-38S	5.0 - 15.0	49	9	3	4	186	432	1	5	187	9
BBMW-38I	25.0 - 30.0	9	7	10	6	9	3	4	12	3	5
BBMW-38I2	40.0 - 45.0	7	8	7	6	6	4	11	6	4	11
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	12
BBMW-39S	5.0 - 15.0	9,755	5,970	8,580	3,341	5,362	5,720	3,615	3,430	3,365	10,700
BBMW-39I	25.0 - 30.0	0	0	0	210	0	0	2	0	1	35
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	5
BBMW-39D	65.0 - 70.0	1	0	0	0	0	0	28	0	2	1
BBMW-40S	5.0 - 15.0	5,069	5,987	1	10	6,390	3,589	170	119	2,797	0
BBMW-40I	25.0 - 30.0	5	12	26	12	0	1	11	2	67	7
BBMW-40I2	45.0 - 50.0	0	0	3	0	0	0	0	15	0	622
BBMW-40D	70.0 - 75.0	37	19	4	0	1	0	0	0	0	0
BBMW-41S	6.0 - 16.0	6,819	2,192	4,407	3,773	3,099	1,856	2,819	11,320	5,325	4,689
BBMW-41I	25.0 - 30.0	0	0	0	0	0	0	0	56	348	0

Table 4-1
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-41I2	45.0 - 50.0	2	1	0	0	0	0	0	0	0	0
BBMW-41D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	--	--	30	7	20	12	4	15	1	29
MW-03D	35.0 - 45.0	--	--	0	0	0	--	0	--	--	--
MW-05S	4.0 - 14.0	7,891	9,341	7,150	1,311	3,333	6,653	8,398	5,165	4,901	7,344
MW-05D	35.5 - 45.5	22	15	7	14	25	15	17	343	457	19
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	0	4	--	0	--	--	--
MW-09I2	45.0 - 50.0	0	0	0	0	0	--	0	--	--	--
MW-09D	65.0 - 70.0	0	0	0	0	0	--	0	--	--	--
OU2MW-48S	3.0 - 13.0	6	0	0	0	0	0	0	0	0	0
OU2MW-48I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	0	1	0	0	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	0	0	0	0	0	0	0	0	0
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	274	239	0	0
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	1	0	1	0
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	0	2	0	0
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	7	6	7	9
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	3	0	0	0
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	0	0	0	0
OU2MW-57S	5.0 - 15.0	--	--	--	2,082	308	310	242	322	98	174
OU2MW-57I	20.0 - 30.0	--	--	--	4,716	71	44	32	114	0	0
OU2MW-57I2	35.0 - 45.0	--	--	--	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	585	37	0	0	0	44	8	1	18	0
OZMW-16I2	35.0 - 45.0	686	468	464	558	855	634	683	671	603	88
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	337	35	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	67	9	0	0	0	0	0	0	0	0

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OZMW-17I2	35.0 - 45.0	8	14	35	0	0	0	5	0	0	0
OZMW-17D	53.0 - 63.0	0	4	15	0	1	0	0	0	0	23
OZMW-18S	5.0 - 15.0	5	1	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	449	0	0	0	0	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	104	63	7	5	1	6	0	0	0	4
OZMW-18D	55.0 - 65.0	389	612	384	424	186	222	273	158	218	204
OZMW-19S	5.0 - 15.0	--	391	0	86	73	493	698	137	4	41
OZMW-19I	20.0 - 30.0	--	1,143	992	973	914	689	664	670	606	413
OZMW-19I2	35.0 - 45.0	--	827	1,105	1,332	1,111	924	697	608	1,188	353
OZMW-19D	55.0 - 65.0	--	76	14	0	49	17	17	20	9	68
OZMW-21S	5.0 - 15.0	--	8,270	4,406	5,400	6,960	6,730	6,730	7,540	2,903	5,420
OZMW-21I	20.0 - 30.0	--	428	542	342	446	465	418	407	459	365
OZMW-21I2	35.0 - 45.0	--	145	134	115	177	153	175	112	190	175
OZMW-21D	55.0 - 65.0	--	10	6	14	12	3	5	4	10	7
OZMW-22S/22SR	5.0 - 15.0	6,942	4,305	--	3,477	4,121	1,075	1,251	435	614	405
OZMW-22I/22IR	20.0 - 30.0	17	8	--	564	214	24	15	0	23	216
OZMW-22I2	35.0 - 45.0	0	0	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	0	0	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	3	0	0	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	--	8	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	--	11	1	0	0	0	2	0	0	0
OZMW-23D	55.0 - 65.0	--	20	33	24	0	0	0	0	0	0
OZMW-24S	5.0 - 15.0	--	25	13	13	5	4	6	0	1	2
OZMW-24I	20.0 - 30.0	--	22	0	0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	--	140	143	191	143	129	158	131	111	674
OZMW-24D	55.0 - 65.0	--	1,595	1,387	1,164	721	876	1,525	1,394	1,215	1,034
OZMW-25S	5.0 - 15.0	1,724	2,883	3,070	2,365	2,226	1,145	1,015	2,444	774	1,180
OZMW-25I	20.0 - 30.0	248	257	310	291	355	340	285	409	370	416
OZMW-25I2	35.0 - 45.0	177	158	141	196	306	149	100	152	239	37
OZMW-25D	55.0 - 65.0	0	0	0	0	0	0	0	17	0	0
OZMW-26S	5.0 - 15.0	--	44	18	5	24	11	5	0	0	0
OZMW-26I	20.0 - 30.0	--	9	0	0	0	0	0	0	7	9
OZMW-26I2	35.0 - 45.0	--	393	159	48	100	200	155	26	47	89
OZMW-26D	55.0 - 65.0	--	0	0	0	0	0	0	1	0	1

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-05D	64.0 - 74.0	99	929	839	866	1,326	914	0	3,150	888	0	3,150
BBMW-05D2/D2R	126.5 - 136.5	5	0	0	--	--	--	0	16	3	0	16
BBMW-13D	62.0 - 72.0	0	--	--	--	--	--	0	2	0	0	2
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	173	19,133	8,973	173	19,133
BBMW-20I	35.0 - 45.0	6	10	8	0	5	2	0	193	44	0	193
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	1,359	9,639	3,569	1,359	9,639
BBMW-22S	5.0 - 10.0	8,669	7,586	8,096	7,511	5,962	6898	2,834	25,800	11,014	2,834	25,800
BBMW-22I	30.0 - 40.0	171	340	223	124	213	385	0	340	123	0	385
BBMW-22D	64.0 - 74.0	1,221	1,702	1,671	1,132	1,230	1271	501	8,600	2,563	501	8,600
BBMW-26S	6.0 - 16.0	0	--	--	--	--	--	0	0	0	0	0
BBMW-26I	30.0 - 40.0	0	--	--	--	--	--	0	8	1	0	8
BBMW-27S	5.0 - 15.0	0	0	0	--	--	0	0	1	0	0	1
BBMW-27I	30.0 - 40.0	0	--	--	--	--	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	554	322	244	266	100	374	100	885	536	100	885
BBMW-34I	25.0 - 30.0	2,158	1,105	1,290	1,248	1,202	1081	1,105	3,757	2,174	1,081	3,757
BBMW-34I2	40.0 - 45.0	101	102	44	43	39	44	39	283	144	39	283
BBMW-34D	65.0 - 70.0	3	5	0	0	0	0	0	14	2	0	14
BBMW-35S	5.0 - 15.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-35I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-35I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-35D	63.0 - 68.0	0	0	0	--	--	0	0	2	0	0	2
BBMW-36S	5.0 - 15.0	7	6	3	--	--	8	0	24	2	0	24
BBMW-36I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	251	257	--	244	202	75	202	271	245	75	271
BBMW-37I	20.0 - 30.0	1,208	1,657	--	991	709	773	709	1,657	1,129	709	1,657
BBMW-37I2	35.0 - 45.0	341	352	--	216	267	189	216	412	318	189	412
BBMW-37D	55.0 - 65.0	0	0	--	0	0	0	0	8	2	0	8
BBMW-38S	5.0 - 15.0	4	5	4	303	162	497	1	432	91	1	497
BBMW-38I	25.0 - 30.0	4	2	2	3	3	7	2	12	5	2	12
BBMW-38I2	40.0 - 45.0	8	7	0	0	6	7	0	11	6	0	11
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0	0	12	1	0	12
BBMW-39S	5.0 - 15.0	11,900	2,503	9,250	5,253	6,120	3528	2,503	11,900	6,324	2,503	11,900
BBMW-39I	25.0 - 30.0	0	12	0	0	0	199	0	210	17	0	210
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	5	0	0	5
BBMW-39D	65.0 - 70.0	23	0	0	0	0	0	0	28	4	0	28
BBMW-40S	5.0 - 15.0	0	0	68	1,012	2,016	3035	0	6,390	1,815	0	6,390
BBMW-40I	25.0 - 30.0	1	23	1	0	6	2	0	67	12	0	67
BBMW-40I2	45.0 - 50.0	2,478	2,302	2,425	0	0	0	0	2,478	523	0	2,478
BBMW-40D	70.0 - 75.0	0	0	0	--	--	0	0	37	5	0	37
BBMW-41S	6.0 - 16.0	4,410	4,015	6,915	5,520	6,216	8730	1,856	11,320	4,892	1,856	11,320
BBMW-41I	25.0 - 30.0	0	202	315	0	0	0	0	348	61	0	348

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-41I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	2
BBMW-41D	65.0 - 70.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-42S	5.0 - 10.0	--	--	--	--	76	48	76	76	76	48	76
BBMW-42I	15.0-25.0	--	--	--	--	516	778	516	516	516	516	778
BBMW-42I2	35.0-45.0	--	--	--	--	407	332	407	407	407	332	407
BBMW-43S	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0
BBMW-43I	15.0-25.0	--	--	--	--	446	40	446	446	446	40	446
BBMW-43I2	35.0-45.0	--	--	--	--	1	0	1	1	1	0	1
MW-03S	3.0 - 13.0	16	9	23	4	5	15	0	361	45	0	361
MW-03D	35.0 - 45.0	0	--	--	--	--	--	0	0	0	0	0
MW-05S	4.0 - 14.0	5,832	6,736	3,214	5,117	4,014	4714	1,311	48,430	14,158	1,311	48,430
MW-05D	35.5 - 45.5	14	11	10	154	8	260	0	457	43	0	457
MW-09S	4.0 - 14.0	0	0	0	--	--	0	0	29	1	0	29
MW-09I	30.0 - 40.0	0	--	--	--	--	--	0	4	1	0	4
MW-09I2	45.0 - 50.0	0	--	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	0	--	--	--	--	--	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	0	0	0	--	--	0	0	8	1	0	8
OU2MW-48I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	0	0	0	--	--	0	0	1	0	0	1
OU2MW-49I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-50S	5.0 - 15.0	39	10	0	0	0	0	0	274	62	0	274
OU2MW-50I	25.0 - 30.0	0	0	0	0	0	4	0	1	0	0	4
OU2MW-50I2	45.0 - 50.0	0	0	0	0	0	0	0	2	0	0	2
OU2MW-50D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-51S	5.0 - 15.0	6	2	2	4	0	0	0	9	5	0	9
OU2MW-51I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-51I2	45.0 - 50.0	0	0	0	--	--	0	0	3	0	0	3
OU2MW-51D	61.0 - 66.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	97	94	82	50	20	26	20	2,082	323	20	2,082
OU2MW-57I	20.0 - 30.0	28	4	4	0	0	0	0	4,716	418	0	4,716
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	4,685	223	0	4,685
OZMW-16I	20.0 - 30.0	1	157	4	3	0	0	0	775	144	0	775
OZMW-16I2	35.0 - 45.0	466	553	53	282	18	166	2	855	343	2	855
OZMW-16D	55.0 - 65.0	0	0	0	3	0	0	0	3	0	0	3
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	1,664	112	0	1,664
OZMW-17I	20.0 - 30.0	0	0	0	2	0	0	0	1,316	79	0	1,316

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	36	5	0	36
OZMW-17D	53.0 - 63.0	15	0	302	295	445	101	0	445	52	0	445
OZMW-18S	5.0 - 15.0	0	0	0	2	0	0	0	3,160	176	0	3,160
OZMW-18I	20.0 - 30.0	0	0	0	0	0	0	0	3,600	222	0	3,600
OZMW-18I2	35.0 - 45.0	7	1	24	0	6	0	0	201	42	0	201
OZMW-18D	55.0 - 65.0	274	201	434	203	351	126	31	612	247	31	612
OZMW-19S	5.0 - 15.0	1,792	947	113	146	228	618	0	1,792	368	0	1,792
OZMW-19I	20.0 - 30.0	647	535	297	451	501	441	297	1,143	678	297	1,143
OZMW-19I2	35.0 - 45.0	528	1,016	519	368	685	574	353	1,332	804	353	1,332
OZMW-19D	55.0 - 65.0	0	0	46	22	17	0	0	76	25	0	76
OZMW-21S	5.0 - 15.0	5,330	4,283	6,110	6,384	2,122	5471	2,122	8,270	5,613	2,122	8,270
OZMW-21I	20.0 - 30.0	453	431	399	366	326	309	326	542	418	309	542
OZMW-21I2	35.0 - 45.0	102	105	380	145	82	57	82	380	156	57	380
OZMW-21D	55.0 - 65.0	0	0	0	0	0	1	0	14	5	0	14
OZMW-22S/22SR	5.0 - 15.0	469	263	417	42	225	167	42	11,947	3,480	42	11,947
OZMW-22I/22IR	20.0 - 30.0	191	68	28	72	34	23	0	607	106	0	607
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	0	2	0	0	2
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	0	0	0	0	0
OZMW-23S	5.0 - 15.0	0	0	0	0	13	0	0	13	1	0	13
OZMW-23I	20.0 - 30.0	1	0	0	0	6	0	0	8	1	0	8
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	11	1	0	11
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	33	6	0	33
OZMW-24S	5.0 - 15.0	0	1	4	0	4	0	0	25	6	0	25
OZMW-24I	20.0 - 30.0	24	4	0	0	6	0	0	24	4	0	24
OZMW-24I2	35.0 - 45.0	220	176	181	137	249	194	111	674	199	111	674
OZMW-24D	55.0 - 65.0	984	946	1,023	809	946	930	721	1,595	1,116	721	1,595
OZMW-25S	5.0 - 15.0	1,468	711	2,278	765	0	1893	0	3,070	1,609	0	3,070
OZMW-25I	20.0 - 30.0	477	441	265	299	529	427	198	529	343	198	529
OZMW-25I2	35.0 - 45.0	41	104	90	24	26	91	24	306	127	24	306
OZMW-25D	55.0 - 65.0	0	0	8	0	11	0	0	17	2	0	17
OZMW-26S	5.0 - 15.0	0	0	9	--	--	0	0	44	10	0	44
OZMW-26I	20.0 - 30.0	29	79	34	76	1	7	0	79	17	0	79
OZMW-26I2	35.0 - 45.0	35	5	47	27	12	0	5	393	96	0	393
OZMW-26D	55.0 - 65.0	0	0	0	--	--	0	0	1	0	0	1

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
BBMW-05D	64.0 - 74.0	--	--	3,249	4,181	--	2,247	1,800	--	--	3,187	--
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	147	0	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	40	--	--	--	--	--	0	--
BBMW-20S	4.0 - 14.0	--	--	--	2,248	--	3,080	15,000	--	--	3,408	--
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900	7,400	--	--	6,939	--
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700	2,500	3,608	--	2,400	2,042
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000	3,500	--	--	7,240	--
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808	5,300	--	--	145,100	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	620	17	1,425	104	--	--	--	120	20	0	28
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	184	--
MW-05S	4.0 - 14.0	5,514	2,360	2,964	2,682	--	2,100	1,600	--	--	2,783	--
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560	2,600	--	--	3,214	--
MW-09S	4.0 - 14.0	0	--	0	--	0	74	0	--	--	0	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--

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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	3,109	--	--	--	2,924	352	4,492	2,386
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	0	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	1,758	--	--	--	--	2,483	--	--	1,365	2,179
BBMW-20I	35.0 - 45.0	6,956	--	--	--	--	8,636	--	--	7,722	5,749
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	4,460	4,780	2,640	143	4,549	--	4,131	2,214	--	--
BBMW-22I	30.0 - 40.0	--	--	5,865	--	--	--	7,114	--	--	--
BBMW-22D	64.0 - 74.0	--	--	4,418	--	--	--	6,288	--	--	--
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

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 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	25	0	--	0	21	0	25	11	0	0
MW-03D	35.0 - 45.0	--	--	--	--	--	--	0	--	--	--
MW-05S	4.0 - 14.0	--	--	2,144	--	--	--	2,220	1,647	2,493	1,652
MW-05D	35.5 - 45.5	--	--	2,842	--	--	--	2,456	435	1,984	3,122
MW-09S	4.0 - 14.0	--	0	--	--	--	--	0	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2004		2005				2006			
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	2,371	1,233	40	930	981	1,203	1,555	1,165	786	2,767
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	0	--	--	--	0	--
BBMW-13D	62.0 - 72.0	0	0	0	0	0	--	--	--	0	--
BBMW-20S	4.0 - 14.0	1,819	1,343	860	--	--	--	--	--	0	--
BBMW-20I	35.0 - 45.0	7,160	2,189	2,033	452	75	48	348	165	1,150	137
BBMW-20D	62.0 - 72.0	2,289	4,688	5,460	--	--	--	--	--	0	--
BBMW-22S	5.0 - 10.0	1,634	2,931	3,629	3,189	24	25	1,961	1,972	1,664	986
BBMW-22I	30.0 - 40.0	4,696	4,283	4,879	5,212	5,536	4,290	4,686	4,680	4,949	6,539
BBMW-22D	64.0 - 74.0	2,725	3,310	5,374	8,516	4,257	4,894	6,442	5,681	5,140	8,539
BBMW-26S	6.0 - 16.0	0	0	0	24	0	--	--	--	0	--
BBMW-26I	30.0 - 40.0	0	0	1	--	0	--	--	--	0	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	0	2	0	0	0
BBMW-27I	30.0 - 40.0	0	0	0	--	0	--	--	--	0	0
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	0	9	0	0	0	--	--	0	0
MW-03D	35.0 - 45.0	0	0	0	2	0	--	--	--	0	0
MW-05S	4.0 - 14.0	1,647	1,294	1,630	1,431	1,699	144	1,306	7	1,052	1
MW-05D	35.5 - 45.5	1,113	142	55	741	2,644	390	1,988	107	232	9
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	0	0	2	--	4	--	--	--	0	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	3
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	0
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	830	2	0	0	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	1,447	39	22	440	153	72
OZMW-16I2	35.0 - 45.0	--	--	--	--	0	219	0	159	6	178
OZMW-16D	55.0 - 65.0	--	--	--	--	1	0	0	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	1,963	1	0	0	0	0
OZMW-17I	20.0 - 30.0	--	--	--	--	5,197	5	0	0	0	12

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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2007				2008				2009	
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OZMW-17I2	35.0 - 45.0	--	--	--	--	7	0	2	0	0	62
OZMW-17D	53.0 - 63.0	--	--	--	--	27	0	0	3	2	0
OZMW-18S	5.0 - 15.0	--	--	--	--	569	15	0	2	0	0
OZMW-18I	20.0 - 30.0	--	--	--	--	2,312	625	7	600	9	149
OZMW-18I2	35.0 - 45.0	--	--	--	--	8,178	7,353	11,417	10,065	7,728	8,917
OZMW-18D	55.0 - 65.0	--	--	--	--	1,684	461	0	1,279	435	1,166
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	2,191	2,555	1,449	1,684	1,850	971
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	0	0	1	0	95	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	0	0	0	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	0	0	0	49	0	0
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	4,595
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	3,276
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	29
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-05D	64.0 - 74.0	186	1,704	2,711	1,400	2,098	1,556	2,751	2,004	0	0
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	0	0	0	0	0	0
BBMW-13D	62.0 - 72.0	--	--	0	0	0	0	0	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	657	78	157	37	471	15	516	47	1	497
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	2,329	3,239	4,564	3,290	3,210	2,584	2,744	4,284	1,574	576
BBMW-22I	30.0 - 40.0	4,155	5,071	5,634	6,469	4,653	5,761	5,237	6,417	5,304	4,215
BBMW-22D	64.0 - 74.0	5,411	3,812	4,425	4,301	5,276	4,413	4,434	7,346	5,996	4,744
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	0	--	--	--
BBMW-34S	5.0 - 15.0	969	524	612	440	468	409	556	435	195	370
BBMW-34I	25.0 - 30.0	2,223	1,887	3,283	1,592	2,562	2,390	2,175	2,922	2,783	2,428
BBMW-34I2	40.0 - 45.0	2,033	2,126	2,219	1,643	1,534	2,080	2,040	2,335	2,139	2,087
BBMW-34D	65.0 - 70.0	478	256	237	148	120	109	239	85	54	49
BBMW-35S	5.0-15.0	--	--	--	--	--	--	0	0	0	0
BBMW-35I	25.0-30.0	--	--	--	--	--	--	0	0	0	0
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	0	0	0	0
BBMW-35D	63.0-68.0	--	--	--	--	--	--	0	0	0	0
BBMW-36S	5.0 - 15.0	--	0	2	2	23	3	4	3	0	0
BBMW-36I	25.0 - 30.0	--	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	520
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	2,506
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	1,219
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	7
BBMW-38S	5.0 - 15.0	13	14	0	25	50	69	4	6	14	5
BBMW-38I	25.0 - 30.0	131	1,075	732	660	212	691	761	275	365	468
BBMW-38I2	40.0 - 45.0	706	931	211	574	116	202	402	603	759	167
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0	0	0	2	0
BBMW-39S	5.0 - 15.0	914	488	1,627	18	761	150	0	1,344	1,220	405
BBMW-39I	25.0 - 30.0	45	1	0	231	2	0	78	4	29	14
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
BBMW-40S	5.0 - 15.0	1,322	73	0	0	4,533	899	0	8	3,314	0
BBMW-40I	25.0 - 30.0	51	3	24	8	25	5	37	13	100	17
BBMW-40I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
BBMW-40D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0
BBMW-41S	6.0 - 16.0	3,264	623	1,532	5	764	0	421	2,372	3,693	782
BBMW-41I	25.0 - 30.0	0	0	0	0	0	0	0	28	47	0

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-41I2	45.0 - 50.0	0	4	0	0	0	0	0	0	0	0
BBMW-41D	65.0 - 70.0	0	4	0	0	0	0	0	0	0	0
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	--	--	1	0	3	0	0	2	0	2
MW-03D	35.0 - 45.0	--	--	0	0	0	--	0	--	--	--
MW-05S	4.0 - 14.0	226	1,879	2,080	309	1,279	1,149	1,076	582	1,807	17
MW-05D	35.5 - 45.5	138	711	809	742	1,996	1,039	1,094	1,064	2,620	789
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	0	0	--	0	--	--	--
MW-09I2	45.0 - 50.0	0	0	0	0	0	--	0	--	--	--
MW-09D	65.0 - 70.0	0	0	0	0	0	--	0	--	--	--
OU2MW-48S	3.0 - 13.0	4	0	0	0	0	0	0	0	0	0
OU2MW-48I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	0	0	0	0	0	0	0	0	0
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	120	95	0	0
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	0	0	9	4
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	0	2	0	0
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	0	0	0	0
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	0	0	26	19
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	0	0	0	0
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	0	0	0	0
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	1	0	0	2
OU2MW-57S	5.0 - 15.0	--	--	--	375	70	268	3	235	127	0
OU2MW-57I	20.0 - 30.0	--	--	--	72	0	0	0	16	0	18
OU2MW-57I2	35.0 - 45.0	--	--	--	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2
OZMW-16I	20.0 - 30.0	1,167	31	0	0	0	0	3	0	8	5
OZMW-16I2	35.0 - 45.0	2,002	2,844	160	809	171	422	5,792	1,195	3,138	542
OZMW-16D	55.0 - 65.0	1	1	0	0	0	0	11	2	24	68
OZMW-17S	5.0 - 15.0	0	1	0	0	0	1	0	0	0	0
OZMW-17I	20.0 - 30.0	0	3	0	0	0	0	0	0	0	0

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date									
		2009		2010				2011			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OZMW-17I2	35.0 - 45.0	0	7	6	0	0	0	9	0	0	9
OZMW-17D	53.0 - 63.0	4	65	391	12	5	5	8	8	10	725
OZMW-18S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	68	15	1	0	0	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	10,984	7,375	676	88	36	30	249	0	0	12
OZMW-18D	55.0 - 65.0	1,586	2,031	1,515	629	890	1,328	1,642	594	2,635	1,907
OZMW-19S	5.0 - 15.0	--	409	44	74	241	214	1,016	242	55	244
OZMW-19I	20.0 - 30.0	--	4,299	2,849	2,632	2,982	3,529	2,814	2,048	2,065	2,708
OZMW-19I2	35.0 - 45.0	--	5,346	4,551	1,409	4,346	382	4,856	1,761	7,531	272
OZMW-19D	55.0 - 65.0	--	471	485	0	245	398	557	178	661	75
OZMW-21S	5.0 - 15.0	--	4,403	2,697	3,466	5,177	5,130	5,292	6,351	2,966	6,618
OZMW-21I	20.0 - 30.0	--	4,402	6,135	5,202	5,315	6,052	4,487	6,915	5,702	2,458
OZMW-21I2	35.0 - 45.0	--	4,012	5,131	4,742	5,972	5,259	2,648	6,727	5,458	5,163
OZMW-21D	55.0 - 65.0	--	952	933	707	684	494	332	409	453	195
OZMW-22S/22SR	5.0 - 15.0	2,406	1,108	--	1,347	1,588	6	6	110	61	1
OZMW-22I/22IR	20.0 - 30.0	3	7	--	220	4	0	1	0	20	1
OZMW-22I2	35.0 - 45.0	0	0	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	0	0	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	25	0	1	0	0	0	1	1	1
OZMW-23I	20.0 - 30.0	--	0	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	--	6	0	0	0	0	7	0	0	0
OZMW-23D	55.0 - 65.0	--	38	51	26	3	3	0	1	0	0
OZMW-24S	5.0 - 15.0	--	6	0	160	0	0	5	47	9	8
OZMW-24I	20.0 - 30.0	--	0	0	0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	--	4,805	5,033	5,122	3,128	3,405	4,719	5,641	5,416	1,228
OZMW-24D	55.0 - 65.0	--	5,323	4,857	5,198	2,399	3,219	3,383	5,508	3,042	4,121
OZMW-25S	5.0 - 15.0	3,968	3,480	2,919	3,550	3,504	6,452	79	3,783	4,336	237
OZMW-25I	20.0 - 30.0	849	4,046	3,756	3,252	292	6,045	1,886	3,289	3,887	1,857
OZMW-25I2	35.0 - 45.0	51	162	482	730	162	881	588	585	1,040	149
OZMW-25D	55.0 - 65.0	0	54	96	33	0	69	82	100	47	73
OZMW-26S	5.0 - 15.0	--	1	0	0	3	2	4	2	1	1
OZMW-26I	20.0 - 30.0	--	0	0	0	0	0	0	0	0	0
OZMW-26I2	35.0 - 45.0	--	60	23	0	0	176	61	0	41	163
OZMW-26D	55.0 - 65.0	--	0	7	0	0	0	0	5	1	4

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-05D	64.0 - 74.0	78	2,052	1,409	1,412	3,244	1380	0	4,492	1,816	0	4,492
BBMW-05D2/D2R	126.5 - 136.5	0	0	0	--	--	--	0	147	11	0	147
BBMW-13D	62.0 - 72.0	1	--	--	--	--	--	0	40	2	0	40
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	0	15,000	2,962	0	15,000
BBMW-20I	35.0 - 45.0	633	706	489	354	688	371	1	8,636	2,350	1	8,636
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	0	14,594	5,722	0	14,594
BBMW-22S	5.0 - 10.0	3,388	2,628	2,790	4,110	2,561	2775	24	4,780	2,711	24	4,780
BBMW-22I	30.0 - 40.0	7,155	7,755	2,505	4,656	3,930	3731	2,505	8,810	5,458	2,505	8,810
BBMW-22D	64.0 - 74.0	5,388	6,319	4,598	4,350	6,103	4352	2,725	145,100	10,101	2,725	145,100
BBMW-26S	6.0 - 16.0	0	--	--	--	--	--	0	24	2	0	24
BBMW-26I	30.0 - 40.0	0	--	--	--	--	--	0	1	0	0	1
BBMW-27S	5.0 - 15.0	0	0	0	--	--	0	0	2	0	0	2
BBMW-27I	30.0 - 40.0	0	--	--	--	--	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	540	111	128	100	121	95	100	969	399	95	969
BBMW-34I	25.0 - 30.0	3,307	2,208	1,870	2,000	1,695	1929	1,592	3,307	2,355	1,592	3,307
BBMW-34I2	40.0 - 45.0	1,907	1,758	2,005	1,527	1,583	1431	1,527	2,335	1,934	1,431	2,335
BBMW-34D	65.0 - 70.0	335	53	51	46	70	45	46	478	155	45	478
BBMW-35S	5.0-15.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-35I	25.0-30.0	0	0	0	--	--	2	0	0	0	0	2
BBMW-35I2	45.0-50.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-35D	63.0-68.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-36S	5.0 - 15.0	0	15	0	--	--	2	0	23	4	0	23
BBMW-36I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	270	511	--	367	217	0	217	520	377	0	520
BBMW-37I	20.0 - 30.0	1,655	2,228	--	1,363	860	110	860	2,506	1,722	110	2,506
BBMW-37I2	35.0 - 45.0	1,234	1,186	--	599	1,222	111	599	1,234	1,092	111	1,234
BBMW-37D	55.0 - 65.0	0	0	--	0	0	0	0	7	1	0	7
BBMW-38S	5.0 - 15.0	2	0	0	49	20	46	0	69	18	0	69
BBMW-38I	25.0 - 30.0	653	510	766	435	620	381	131	1,075	557	131	1,075
BBMW-38I2	40.0 - 45.0	983	998	773	297	1,155	718	116	1,155	592	116	1,155
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0	0	2	0	0	2
BBMW-39S	5.0 - 15.0	2,988	62	1,283	1,906	2,674	34	0	2,988	1,056	0	2,988
BBMW-39I	25.0 - 30.0	39	29	46	17	33	0	0	231	38	0	231
BBMW-39I2	45.0 - 50.0	0	16	0	0	0	0	0	16	1	0	16
BBMW-39D	65.0 - 70.0	3	0	0	0	0	0	0	3	0	0	3
BBMW-40S	5.0 - 15.0	0	0	30	1,548	2,421	2654	0	4,533	943	0	4,533
BBMW-40I	25.0 - 30.0	34	41	46	11	29	18	3	100	30	3	100
BBMW-40I2	45.0 - 50.0	0	2,264	1,950	0	0	0	0	2,264	281	0	2,264
BBMW-40D	70.0 - 75.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-41S	6.0 - 16.0	1,449	1,167	1,006	617	2,213	1888	0	3,693	1,327	0	3,693
BBMW-41I	25.0 - 30.0	0	54	68	0	0	0	0	68	13	0	68

Table 4-2
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-41I2	45.0 - 50.0	0	0	2	--	--	0	0	4	0	0	4
BBMW-41D	65.0 - 70.0	0	0	2	--	--	0	0	4	0	0	4
BBMW-42S	5.0 - 10.0	--	--	--	--	608	286	608	608	608	286	608
BBMW-42I	15.0-25.0	--	--	--	--	1,181	1107	1,181	1,181	1,181	1,107	1,181
BBMW-42I2	35.0-45.0	--	--	--	--	2,504	1163	2,504	2,504	2,504	1,163	2,504
BBMW-43S	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0
BBMW-43I	15.0-25.0	--	--	--	--	552	53	552	552	552	53	552
BBMW-43I2	35.0-45.0	--	--	--	--	0	0	0	0	0	0	0
MW-03S	3.0 - 13.0	2	0	7	0	0	0	0	1,425	64	0	1,425
MW-03D	35.0 - 45.0	0	--	--	--	--	--	0	184	10	0	184
MW-05S	4.0 - 14.0	1,680	886	1,250	1,306	1,516	1063	1	5,514	1,552	1	5,514
MW-05D	35.5 - 45.5	2,242	843	1,611	1,254	1,617	1137	9	4,944	1,700	9	4,944
MW-09S	4.0 - 14.0	0	0	0	--	--	0	0	74	2	0	74
MW-09I	30.0 - 40.0	0	--	--	--	--	--	0	4	1	0	4
MW-09I2	45.0 - 50.0	0	--	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	0	--	--	--	--	--	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	0	0	0	--	--	0	0	4	1	0	4
OU2MW-48I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-50S	5.0-15.0	9	5	0	0	0	0	0	120	25	0	120
OU2MW-50I	25.0-30.0	1	2	0	0	0	0	0	9	2	0	9
OU2MW-50I2	45.0-50.0	0	0	0	0	0	0	0	2	0	0	2
OU2MW-50D	65.0-70.0	0	3	0	0	0	0	0	3	0	0	3
OU2MW-51S	5.0-15.0	0	13	5	9	8	4	0	26	9	0	26
OU2MW-51I	25.0-30.0	0	5	0	--	--	0	0	5	1	0	5
OU2MW-51I2	45.0-50.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-51D	61.0-66.0	0	0	0	--	--	0	0	2	0	0	2
OU2MW-57S	5.0 - 15.0	94	87	69	31	0	64	0	375	113	0	375
OU2MW-57I	20.0 - 30.0	13	15	13	21	27	13	0	72	16	0	72
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	1	6	0	0	0	0	830	40	0	830
OZMW-16I	20.0 - 30.0	0	18	13	0	0	0	0	1,447	163	0	1,447
OZMW-16I2	35.0 - 45.0	2,192	1,973	151	1,220	8	1330	0	5,792	1,104	0	5,792
OZMW-16D	55.0 - 65.0	18	3	0	1	0	0	0	68	6	0	68
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	1,963	94	0	1,963
OZMW-17I	20.0 - 30.0	1	0	0	13	0	0	0	5,197	249	0	5,197

Table 4-2
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012				2013						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OZMW-17I2	35.0 - 45.0	2	0	18	0	0	0	62	6	0	62	
OZMW-17D	53.0 - 63.0	345	33	1,821	1,750	1,451	937	0	1,821	317	0	1,821
OZMW-18S	5.0 - 15.0	0	1	0	7	0	0	0	569	28	0	569
OZMW-18I	20.0 - 30.0	0	14	0	0	0	0	0	2,312	181	0	2,312
OZMW-18I2	35.0 - 45.0	56	222	955	61	139	17	0	11,417	3,550	0	11,417
OZMW-18D	55.0 - 65.0	2,913	1,536	3,337	1,729	5,445	1361	0	5,445	1,654	0	5,445
OZMW-19S	5.0 - 15.0	881	517	173	558	8	659	8	1,016	334	8	1,016
OZMW-19I	20.0 - 30.0	4,325	3,620	1,188	3,790	2,635	3396	1,188	4,325	2,963	1,188	4,325
OZMW-19I2	35.0 - 45.0	2,016	3,258	2,854	2,303	1,552	1929	272	7,531	3,031	272	7,531
OZMW-19D	55.0 - 65.0	36	25	294	41	55	8	0	661	252	0	661
OZMW-21S	5.0 - 15.0	6,333	4,167	2,943	4,334	1,152	3151	1,152	6,618	4,359	1,152	6,618
OZMW-21I	20.0 - 30.0	4,873	7,522	3,598	3,299	3,317	3872	2,458	7,522	4,948	2,458	7,522
OZMW-21I2	35.0 - 45.0	5,757	6,158	5,128	4,620	3,747	5955	2,648	6,727	5,037	2,648	6,727
OZMW-21D	55.0 - 65.0	157	162	183	89	56	147	56	952	415	56	952
OZMW-22S/22SR	5.0 - 15.0	122	8	122	0	3	11	0	2,555	879	0	2,555
OZMW-22I/22IR	20.0 - 30.0	89	28	16	39	11	8	0	220	27	0	220
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	0	49	6	0	49
OZMW-23S	5.0 - 15.0	0	0	1	0	17	0	0	25	3	0	25
OZMW-23I	20.0 - 30.0	0	0	1	0	6	0	0	6	1	0	6
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	7	1	0	7
OZMW-23D	55.0 - 65.0	3	0	1	0	0	1	0	51	9	0	51
OZMW-24S	5.0 - 15.0	17	12	11	7	32	2	0	160	22	0	160
OZMW-24I	20.0 - 30.0	208	14	0	0	47	0	0	208	19	0	208
OZMW-24I2	35.0 - 45.0	3,527	4,819	2,656	4,228	4,502	4999	1,228	5,641	4,159	1,228	5,641
OZMW-24D	55.0 - 65.0	3,300	3,090	2,846	2,075	3,309	3137	2,075	5,508	3,691	2,075	5,508
OZMW-25S	5.0 - 15.0	3,228	1,842	3,306	4,753	69	2432	69	6,452	3,131	69	6,452
OZMW-25I	20.0 - 30.0	3,721	4,022	4,223	3,996	3,748	3767	292	6,045	3,259	292	6,045
OZMW-25I2	35.0 - 45.0	322	696	402	324	328	492	29	1,040	433	29	1,040
OZMW-25D	55.0 - 65.0	85	55	41	67	133	60	0	133	58	0	133
OZMW-26S	5.0 - 15.0	5	0	0	--	--	1	0	5	2	0	5
OZMW-26I	20.0 - 30.0	52	22	26	182	0	0	0	182	20	0	182
OZMW-26I2	35.0 - 45.0	54	17	96	38	27	0	0	176	54	0	176
OZMW-26D	55.0 - 65.0	0	2	0	--	--	0	0	7	2	0	7

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D2R	BBMW-20I	BBMW-20I	DUP-11 Q4	BBMW-20I
Start Depth		64	64	64	64	127	35	35	35	35
End Depth		74	74	74	74	137	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/17/2012	12/6/2012	2/15/2013	5/20/2013	9/12/2012	8/30/2012	12/5/2012	12/5/2012	2/14/2013
Parent Sample Code								BBMW-20I		
BTEX (µg/L)										
Benzene	1	14	10	16	11	1 U	1 U	1 U	1 U	2
Toluene	5	240 D	220 D	350 D	270 D	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	75	76	130	93	1 U	3	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Total Xylene	5	510	560	830 D	540	NA	5	1 U	1 U	3
Total BTEX (ND=0)	NE	839	866	1326	914	ND	8	ND	ND	5
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D2R	BBMW-20I	BBMW-20I	DUP-11 Q4	BBMW-20I
Start Depth		64	64	64	64	127	35	35	35	35
End Depth		74	74	74	74	137	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	9/17/2012	12/6/2012	2/15/2013	5/20/2013	9/12/2012	8/30/2012	12/5/2012	12/5/2012	2/14/2013	
Parent Sample Code								BBMW-20I		
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	1 J	NA	NA	NA	10 U	2 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	3 J	3 J	5 J	3 J	10 U	3 J	2 J	2 J	4 J
Acenaphthylene	NE	58	48	100 DJ	47	10 U	48	30	27	58
Anthracene	50*	4 J	4 J	5 J	3 J	10 U	2 J	1 J	1 J	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	2 J	1 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10	8 J	13	8 J	10 U	8 J	5 J	5 J	9 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	110 DJ	130 DJ	290 DJ	100 DJ	10 U	59	41	33	91 DJ
Naphthalene	10*	1200 D	1200 D	2800 D	1200 D	10 U	360 D	270 D	220 D	510 D
Phenanthrene	50*	20	16	26	16	10 U	9 J	5 J	6 J	14
Pyrene	50*	2 J	2 J	3 J	2 J	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D	BBMW-05D2R	BBMW-20I	BBMW-20I	DUP-11 Q4	BBMW-20I
Start Depth		64	64	64	64	127	35	35	35	35
End Depth		74	74	74	74	137	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/17/2012	12/6/2012	2/15/2013	5/20/2013	9/12/2012	8/30/2012	12/5/2012	12/5/2012	2/14/2013
Parent Sample Code								BBMW-20I		
Total PAH (17) (ND=0)	NE	1409	1412	3244	1380	ND	489	354	294	688
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		BBMW-201	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-221	BBMW-221	BBMW-221	BBMW-221
Start Depth		35	5	5	5	5	30	30	30	30
End Depth		45	10	10	10	10	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	66	51	22	21	150	59	75	89
Toluene	5	1 U	130	160	40	77	19	13	14	16
Ethylbenzene	5	1 U	3400 D	3300 D	2800	3100 D	24	25	58	130
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	2	4500 D	4000 D	3100	3700 D	30	27	66	150
Total BTEX (ND=0)	NE	2	8096	7511	5962	6898	223	124	213	385
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		BBMW-20I	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22I	BBMW-22I	BBMW-22I	BBMW-22I
Start Depth		35	5	5	5	5	30	30	30	30
End Depth		45	10	10	10	10	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	1 J	NA	NA	NA	5 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	3 J	110 DJ	140 DJ	110 J	110 DJ	74 DJ	180 DJ	160 J	140 DJ
Acenaphthylene	NE	43	43	53	26	29	9 J	8 J	7 J	9 J
Anthracene	50*	9 J	7 J	8 J	6 J	8 J	2 J	6 J	5 J	29
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	3 J	3 J	2 J	3 J	10 U	1 J	1 J	1 J
Fluorene	50*	7 J	41	41	33	41	17	35	29	31
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	39	440 DJ	620 DJ	450 J	440 DJ	390 DJ	890 DJ	800 J	690 DJ
Naphthalene	10*	260 D	2100 D	3200 D	1900	2100 D	2000 D	3500 D	2900	2800 D
Phenanthrene	50*	10	43	42	31	41	13	34	27	30
Pyrene	50*	10 U	3 J	3 J	3 J	3 J	10 U	2 J	1 J	1 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		BBMW-20I	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22I	BBMW-22I	BBMW-22I	BBMW-22I
Start Depth		35	5	5	5	5	30	30	30	30
End Depth		45	10	10	10	10	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013	8/30/2012	12/5/2012	2/27/2013	5/29/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	371	2790	4110	2561	2775	2505	4656	3930	3731
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-22D	BBMW-22D	BBMW-22D	BBMW-22D	BBMW-27S	BBMW-27S	BBMW-34S	DUP-19 Q3	BBMW-34S
Start Depth		64	64	64	64	5	5	5	5	5
End Depth		74	74	74	74	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/30/2012	12/5/2012	2/27/2013	5/29/2013	10/1/2012	6/21/2013	9/6/2012	9/6/2012	11/29/2012
Parent Sample Code								BBMW-34S		
BTEX (µg/L)										
Benzene	1	1	1 U	1 U	1	1 U	1 U	68	68	54
Toluene	5	330 D	160	180	260 D	1 U	1 U	4	4	4
Ethylbenzene	5	140	92	120	110	1 U	1 U	160	160	160
o-Xylene	5	NA	NA	NA	NA	NA	NA	10	10	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	2	2	NA
Total Xylene	5	1200 D	880 D	930	900 D	1 U	1 U	NA	NA	48
Total BTEX (ND=0)	NE	1671	1132	1230	1271	ND	ND	244	244	266
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	1 J	1 J	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	500 U	500 U	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	500 U	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-22D	BBMW-22D	BBMW-22D	BBMW-22D	BBMW-27S	BBMW-27S	BBMW-34S	DUP-19 Q3	BBMW-34S
Start Depth		64	64	64	64	5	5	5	5	5
End Depth		74	74	74	74	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/30/2012	12/5/2012	2/27/2013	5/29/2013	10/1/2012	6/21/2013	9/6/2012	9/6/2012	11/29/2012	
Parent Sample Code								BBMW-34S		
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	5 U	5 U	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	9	9	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	5 J	5 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	5 U	5 U	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	2 U	2 U	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	7	7	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	500 U	500 U	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	3	3	NA
Styrene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	7	7	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	1	1	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	10 U	10 U	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	14	9 J	15	14	10 U	10 U	51	48	28
Acenaphthylene	NE	180 DJ	190 DJ	290 J	180 DJ	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	9 J	6 J	9 J	49	10 U	10 U	5 J	4 J	3 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	2 J	3 J	3 J	10 U	10 U	2 J	2 J	1 J
Fluorene	50*	40	29	46	42	10 U	10 U	27	24	17
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	600 D	580 DJ	890 J	610 DJ	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	3700 D	3500 D	4800	3400 D	10 U	10 U	4 J	4 J	28
Phenanthrene	50*	49	32	46	50	10 U	10 U	36	30	21
Pyrene	50*	3 J	2 J	4 J	4 J	10 U	10 U	3 J	2 J	2 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-22D	BBMW-22D	BBMW-22D	BBMW-22D	BBMW-27S	BBMW-27S	BBMW-34S	DUP-19 Q3	BBMW-34S
Start Depth		64	64	64	64	5	5	5	5	5
End Depth		74	74	74	74	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/30/2012	12/5/2012	2/27/2013	5/29/2013	10/1/2012	6/21/2013	9/6/2012	9/6/2012	11/29/2012
Parent Sample Code								BBMW-34S		
Total PAH (17) (ND=0)	NE	4598	4350	6103	4352	ND	ND	128	114	100
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34S	BBMW-34S	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I2	BBMW-34I2	BBMW-34I2
Start Depth		5	5	25	25	25	25	40	40	40
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	5/13/2013	9/6/2012	11/29/2012	2/7/2013	5/13/2013	9/7/2012	11/29/2012	2/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	36	70	100	58	42	54	1 U	1 U	1 U
Toluene	5	2	4	10	10	10	7	1 U	1 U	1 U
Ethylbenzene	5	48	230 D	650 D	640 D	640 D	580 D	22	22	20
o-Xylene	5	NA	NA	190 D	NA	NA	NA	7	NA	NA
m/p-Xylene	5	NA	NA	340	NA	NA	NA	15	NA	NA
Total Xylene	5	14	70	NA	540 D	510	440	NA	21	19
Total BTEX (ND=0)	NE	100	374	1290	1248	1202	1081	44	43	39
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	2 J	NA	NA	NA	2 J	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34S	BBMW-34S	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I2	BBMW-34I2	BBMW-34I2
Start Depth		5	5	25	25	25	25	40	40	40
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/8/2013	5/13/2013	9/6/2012	11/29/2012	2/7/2013	5/13/2013	9/7/2012	11/29/2012	2/7/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	24	NA	NA	NA	5	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	8 J	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1400 D	NA	NA	NA	630 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	6	NA	NA	NA	2	NA	NA
Styrene	5	NA	NA	4	NA	NA	NA	12	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	130	NA	NA	NA	33	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	81	NA	NA	NA	27	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	47	15	110 DJ	110 DJ	140 DJ	100 DJ	170 DJ	130 DJ	160 DJ
Acenaphthylene	NE	1 J	2 J	2 J	3 J	1 J	10 U	4 J	5 J	21
Anthracene	50*	5 J	4 J	10	9 J	13	8 J	15	11	14
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	3 J	2 J	4 J	2 J	4 J	2 J	6 J
Fluorene	50*	28	11	53	40	64	41	71	47	64
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	870 D	390 D	990 D	840 D	1300 D	980 D	960 D
Naphthalene	10*	3 J	34	760 D	1400 D	410 D	890 D	360 D	300 D	270 D
Phenanthrene	50*	32	26	59	43	67	45	77	49	68
Pyrene	50*	3 J	2 J	3 J	3 J	6 J	3 J	4 J	3 J	10

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34S	BBMW-34S	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I2	BBMW-34I2	BBMW-34I2
Start Depth		5	5	25	25	25	25	40	40	40
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	5/13/2013	9/6/2012	11/29/2012	2/7/2013	5/13/2013	9/7/2012	11/29/2012	2/7/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	121	95	1870	2000	1695	1929	2005	1527	1583
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34I2	BBMW-34D	BBMW-34D	BBMW-34D	BBMW-34D	DUP-08 Q2	BBMW-35S	BBMW-35S	BBMW-35I
Start Depth		40	65	65	65	65	65	5	5	25
End Depth		45	70	70	70	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/13/2013	9/7/2012	11/29/2012	2/8/2013	5/13/2013	5/13/2013	9/6/2012	5/17/2013	9/5/2012
Parent Sample Code						BBMW-34D				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
m/p-Xylene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Total Xylene	5	20	NA	1 U	1 U	1 U	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	44	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Acetone	50*	NA	5 U	NA	NA	NA	NA	1 J	NA	5 U
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Chloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Chloroform	7	NA	1 U	NA	NA	NA	NA	6	NA	1 U
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	500 U
Ethanol	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34I2	BBMW-34D	BBMW-34D	BBMW-34D	BBMW-34D	DUP-08 Q2	BBMW-35S	BBMW-35S	BBMW-35I
Start Depth		40	65	65	65	65	65	5	5	25
End Depth		45	70	70	70	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/13/2013	9/7/2012	11/29/2012	2/8/2013	5/13/2013	5/13/2013	9/6/2012	5/17/2013	9/5/2012	
Parent Sample Code							BBMW-34D			
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	5 U	NA	5 U
Iodomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	5 U	NA	5 U
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	2 U	NA	2 U
Naphthalene	10*	NA	2	NA	NA	NA	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Styrene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	120 DJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	4 J	1 J	1 J	2 J	1 J	1 J	10 U	10 U	10 U
Anthracene	50*	13	2 J	2 J	3 J	2 J	2 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	5 J	2 J	2 J	3 J	2 J	2 J	10 U	10 U	10 U
Fluorene	50*	49	8 J	8 J	12	7 J	6 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	900 D	4 J	4 J	7 J	4 J	3 J	10 U	10 U	10 U
Naphthalene	10*	270 D	1 J	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	59	30	26	38	26	24	10 U	10 U	10 U
Pyrene	50*	7 J	3 J	3 J	4 J	3 J	2 J	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-34I2	BBMW-34D	BBMW-34D	BBMW-34D	BBMW-34D	DUP-08 Q2	BBMW-35S	BBMW-35S	BBMW-35I
Start Depth		40	65	65	65	65	65	5	5	25
End Depth		45	70	70	70	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/13/2013	9/7/2012	11/29/2012	2/8/2013	5/13/2013	5/13/2013	9/6/2012	5/17/2013	9/5/2012
Parent Sample Code						BBMW-34D				
Total PAH (17) (ND=0)	NE	1431	51	46	70	45	40	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-351	BBMW-3512	BBMW-3512	DUP-12 Q2	BBMW-35D	BBMW-35D	BBMW-36S	BBMW-36S	BBMW-36I
Start Depth		25	45	45	45	63	63	5	5	25
End Depth		30	50	50	50	68	68	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/17/2013	9/5/2012	5/17/2013	5/17/2013	9/5/2012	5/17/2013	8/21/2012	5/13/2013	8/21/2012
Parent Sample Code				BBMW-35I2						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1	2	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1	1	1 U
o-Xylene	5	NA	1 U	NA	NA	1 U	NA	2	NA	1 U
m/p-Xylene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	1 U	NA	1 U	1 U	NA	1 U	NA	5	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	3	8	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	5 U	NA	NA	5 U	NA	5 U	NA	5 U
Acrylonitrile	5	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	500 U	NA	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	500 U	NA	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-351	BBMW-3512	BBMW-3512	DUP-12 Q2	BBMW-35D	BBMW-35D	BBMW-36S	BBMW-36S	BBMW-36I
Start Depth		25	45	45	45	63	63	5	5	25
End Depth		30	50	50	50	68	68	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/17/2013	9/5/2012	5/17/2013	5/17/2013	9/5/2012	5/17/2013	8/21/2012	5/13/2013	8/21/2012	
Parent Sample Code				BBMW-3512						
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	5 U	NA	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Isopropyl benzene	5	NA	1 U	NA	NA	1 U	NA	2	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	2 U	NA	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	1 U	NA	1	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BMW-351	BMW-3512	BMW-3512	DUP-12 Q2	BMW-35D	BMW-35D	BMW-36S	BMW-36S	BMW-36I
Start Depth		25	45	45	45	63	63	5	5	25
End Depth		30	50	50	50	68	68	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/17/2013	9/5/2012	5/17/2013	5/17/2013	9/5/2012	5/17/2013	8/21/2012	5/13/2013	8/21/2012
Parent Sample Code				BMW-3512						
Total PAH (17) (ND=0)	NE	2	ND	ND	ND	ND	ND	ND	2	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		BBMW-361	BBMW-37S	BBMW-37S	BBMW-37S	BBMW-371	BBMW-371	BBMW-371	DUP-10 Q1	BBMW-3712
Start Depth		25	5	5	5	20	20	20	20	35
End Depth		30	10	10	10	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/13/2013	12/3/2012	3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	3/19/2013	12/3/2012
Parent Sample Code								BBMW-371		
BTEX (µg/L)										
Benzene	1	1 U	4.5	3	3	100	42	37	47	33
Toluene	5	1 U	1.3	5	1	11	7	6	7	4.8
Ethylbenzene	5	1 U	140	130	42	670 D	510	510 D	560	78
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	98	64	29	210	150	220	160	100
Total BTEX (ND=0)	NE	ND	243.8	202	75	991	709	773	774	215.8
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	
Sample Name		BBMW-36I	BBMW-37S	BBMW-37S	BBMW-37S	BBMW-37I	BBMW-37I	BBMW-37I	DUP-10 Q1	BBMW-37I2	
Start Depth		25	5	5	5	20	20	20	20	20	35
End Depth		30	10	10	10	30	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/13/2013	12/3/2012	3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	3/19/2013	12/3/2012		
Parent Sample Code									BBMW-37I		
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	8 J	5 J	10 U	120 DJ	83 J	64	77	71	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	7 J	7 J	3 J	8 J	2 J	
Anthracene	50*	10 U	10 U	10 U	10 U	8 J	7 J	4 J	8 J	7 J	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	3 J	2 J	2 J	2 J	2 J	
Fluorene	50*	10 U	3 J	2 J	10 U	33	26	17	25	10	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	44	19	10 U	36	40	5 J	37	7 J	
Naphthalene	10*	10 U	310 D	190	10 U	1100 D	640	10 U	670	450 D	
Phenanthrene	50*	10 U	2 J	1 J	10 U	53	52	12	54	47	
Pyrene	50*	10 U	10 U	10 U	10 U	3 J	3 J	3 J	3 J	3 J	

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		BBMW-36I	BBMW-37S	BBMW-37S	BBMW-37S	BBMW-37I	BBMW-37I	BBMW-37I	DUP-10 Q1	BBMW-37I2
Start Depth		25	5	5	5	20	20	20	20	35
End Depth		30	10	10	10	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/13/2013	12/3/2012	3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	3/19/2013	12/3/2012	
Parent Sample Code								BBMW-37I		
Total PAH (17) (ND=0)	NE	ND	367	217	ND	1363	860	110	884	599
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-3712	BBMW-3712	BBMW-37D	BBMW-37D	BBMW-37D	BBMW-38S	BBMW-38S	BBMW-38S	BBMW-38S
Start Depth		35	35	55	55	55	5	5	5	5
End Depth		45	45	65	65	65	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	32	30	1 U	1 U	1 U	2	10	5	13
Toluene	5	5	4	1 U	1 U	1 U	1 U	3	1	4
Ethylbenzene	5	80	45	1 U	1 U	1 U	1 U	110	56	160 D
o-Xylene	5	NA	NA	NA	NA	NA	2	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	150	110	1 U	1 U	1 U	NA	180	100	320
Total BTEX (ND=0)	NE	267	189	ND	ND	ND	4	303	162	497
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	1 J	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-3712	BBMW-3712	BBMW-37D	BBMW-37D	BBMW-37D	BBMW-38S	BBMW-38S	BBMW-38S	BBMW-38S
Start Depth		35	35	55	55	55	5	5	5	5
End Depth		45	45	65	65	65	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	130 J	65	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	6 J	6 J	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Anthracene	50*	14	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	4 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	14	7 J	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	48	10 U	10 U	10 U	10 U	10 U	4 J	10 U	2 J
Naphthalene	10*	900	10 U	10 U	10 U	10 U	10 U	41	20	43
Phenanthrene	50*	100 J	20	10 U	10 U	10 U	10 U	2 J	10 U	1 J
Pyrene	50*	6 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-3712	BBMW-3712	BBMW-37D	BBMW-37D	BBMW-37D	BBMW-38S	BBMW-38S	BBMW-38S	BBMW-38S
Start Depth		35	35	55	55	55	5	5	5	5
End Depth		45	45	65	65	65	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/19/2013	5/17/2013	12/3/2012	3/19/2013	5/17/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	1222	111	ND	ND	ND	ND	49	20	46
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-381	BBMW-381	BBMW-381	BBMW-381	BBMW-3812	BBMW-3812	BBMW-3812	BBMW-3812	BBMW-38D
Start Depth		25	25	25	25	40	40	40	40	65
End Depth		30	30	30	30	45	45	45	45	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	5	1 U	1 U	1 U	1	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	2	2	1 U
o-Xylene	5	1	NA	NA	NA	1 U	NA	NA	NA	1 U
m/p-Xylene	5	1	NA	NA	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	3	3	2	NA	1 U	4	4	NA
Total BTEX (ND=0)	NE	2	3	3	7	ND	ND	6	7	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	35
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BMW-381	BMW-381	BMW-381	BMW-381	BMW-3812	BMW-3812	BMW-3812	BMW-3812	BMW-38D
Start Depth		25	25	25	25	40	40	40	40	65
End Depth		30	30	30	30	45	45	45	45	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	6 J	NA	NA	NA	10 U	NA	NA	NA	7 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	130	NA	NA	NA	140	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	6	NA	NA	NA	4	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	3	NA	NA	NA	1	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	19	17	20	18	13	5 J	19	13	10 U
Acenaphthylene	NE	200 D	120 D	150 D	70	170 D	68	210 D	130 D	10 U
Anthracene	50*	12	10	17	7 J	10	10 U	15	11	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	6 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	6 J	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	5 J	3 J	12	3 J	3 J	2 J	5 J	4 J	10 U
Fluorene	50*	73	51	49	34	68	39	64	61	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	270 D	120 D	210 D	150 D	360 D	95 D	540 D	300 D	10 U
Naphthalene	10*	59	45	49	50	67	43	220 D	120 D	10 U
Phenanthrene	50*	120 D	64	75	45	77	43	74	74	10 U
Pyrene	50*	8 J	5 J	19	4 J	5 J	2 J	8 J	5 J	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-381	BBMW-381	BBMW-381	BBMW-381	BBMW-3812	BBMW-3812	BBMW-3812	BBMW-3812	BBMW-38D
Start Depth		25	25	25	25	40	40	40	40	65
End Depth		30	30	30	30	45	45	45	45	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012	12/3/2012	2/4/2013	5/10/2013	9/13/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	766	435	620	381	773	297	1155	718	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-38D	DUP-10 Q4	BBMW-38D	BBMW-38D	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39I
Start Depth		65	65	65	65	5	5	5	5	25
End Depth		70	70	70	70	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/3/2012	12/3/2012	2/4/2013	5/10/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/7/2012
Parent Sample Code		BBMW-38D								
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	7400 D	2200 D	1800 D	880 D	1 U
Toluene	5	1 U	1 U	1 U	1 U	120	53	420 D	18	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1000 D	1900 D	2300 D	1800 D	1 U
o-Xylene	5	NA	NA	NA	NA	360 D	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	370	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	1 U	1 U	NA	1100 D	1600 D	830 D	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	9250	5253	6120	3528	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	2 J	NA	NA	NA	1 J
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	7 J	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-38D	DUP-10 Q4	BBMW-38D	BBMW-38D	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39I
Start Depth		65	65	65	65	5	5	5	5	25
End Depth		70	70	70	70	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	12/3/2012	12/3/2012	2/4/2013	5/10/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/7/2012	
Parent Sample Code		BBMW-38D								
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	3 J	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	NA	38	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	1600 D	NA	NA	NA	12
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	9	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	170	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	54	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	34	77	120 DJ	27	3 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	3 J	2 J	10 U	17
Anthracene	50*	10 U	10 U	10 U	10 U	2 J	3 J	3 J	10 U	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	12	24	27	7 J	4 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	120 DJ	380 D	500 D	10 U	3 J
Naphthalene	10*	10 U	10 U	10 U	10 U	1100 D	1400 D	2000 D	10 U	7 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	15	19	22	10 U	10
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-38D	DUP-10 Q4	BBMW-38D	BBMW-38D	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39S	BBMW-39I
Start Depth		65	65	65	65	5	5	5	5	25
End Depth		70	70	70	70	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/3/2012	12/3/2012	2/4/2013	5/10/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/7/2012
Parent Sample Code		BBMW-38D								
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	1283	1906	2674	34	46
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-391	BBMW-391	BBMW-391	BBMW-3912	BBMW-3912	BBMW-3912	BBMW-3912	BBMW-39D	BBMW-39D
Start Depth		25	25	25	45	45	45	45	65	65
End Depth		30	30	30	50	50	50	50	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/14/2012	11/29/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	19	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	120	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	1 U	59	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	199	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	1 J	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-391	BBMW-391	BBMW-391	BBMW-3912	BBMW-3912	BBMW-3912	BBMW-3912	BBMW-39D	BBMW-39D
Start Depth		25	25	25	45	45	45	45	65	65
End Depth		30	30	30	50	50	50	50	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/14/2012	11/29/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	1 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	5 J	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	4 J	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	5 J	9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-39I	BBMW-39I	BBMW-39I	BBMW-39I2	BBMW-39I2	BBMW-39I2	BBMW-39I2	BBMW-39D	BBMW-39D
Start Depth		25	25	25	45	45	45	45	65	65
End Depth		30	30	30	50	50	50	50	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/7/2012	11/29/2012	2/5/2013	5/17/2013	9/14/2012	11/29/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	17	33	ND	ND	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-09 Q4	BBMW-39D	BBMW-39D	BBMW-40S	DUP-22 Q3	BBMW-40S	BBMW-40S	BBMW-40S	BBMW-40I
Start Depth		65	65	65	5	5	5	5	5	25
End Depth		70	70	70	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/17/2012	9/17/2012	11/30/2012	2/5/2013	5/10/2013	9/17/2012
Parent Sample Code	BBMW-39D				BBMW-40S					
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	5	9	6	1
Toluene	5	1 U	1 U	1 U	1 U	1 U	7	17	29	1 U
Ethylbenzene	5	1 U	1 U	1 U	42	42	620 D	1300 D	1900 D	1 U
o-Xylene	5	NA	NA	NA	7	7	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	19	19	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	1 U	NA	NA	380	690 D	1100 D	NA
Total BTEX (ND=0)	NE	ND	ND	ND	68	68	1012	2016	3035	1
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	5 U	5 U	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	2	2	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	1 J	1 J	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	500 U	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	500 U	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-09 Q4	BBMW-39D	BBMW-39D	BBMW-40S	DUP-22 Q3	BBMW-40S	BBMW-40S	BBMW-40S	BBMW-40I
Start Depth		65	65	65	5	5	5	5	5	25
End Depth		70	70	70	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/17/2012	9/17/2012	11/30/2012	2/5/2013	5/10/2013	9/17/2012
Parent Sample Code	BBMW-39D				BBMW-40S					
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	5 U	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	2	2	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	2 U	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	140	130	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	9	9	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	9	8	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	70	56	63	4 J
Acenaphthylene	NE	1 J	10 U	10 U	10 U	10 U	8 J	7 J	7 J	2 J
Anthracene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Fluorene	50*	6 J	10 U	10 U	10 U	10 U	13	12	15	3 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	3 J	10 U	10 U	4 J	5 J	250 D	340 DJ	360 DJ	10 U
Naphthalene	10*	10 U	10 U	10 U	26	36	1200 D	2000 D	2200 D	10 U
Phenanthrene	50*	21	10 U	10 U	10 U	10 U	7 J	6 J	9 J	25
Pyrene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-09 Q4	BBMW-39D	BBMW-39D	BBMW-40S	DUP-22 Q3	BBMW-40S	BBMW-40S	BBMW-40S	BBMW-40I
Start Depth		65	65	65	5	5	5	5	5	25
End Depth		70	70	70	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/29/2012	2/5/2013	5/17/2013	9/17/2012	9/17/2012	11/30/2012	2/5/2013	5/10/2013	9/17/2012
Parent Sample Code	BBMW-39D				BBMW-40S					
Total PAH (17) (ND=0)	NE	36	ND	ND	30	41	1548	2421	2654	46
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-401	BBMW-401	DUP-05 Q1	BBMW-401	BBMW-4012	BBMW-4012	BBMW-4012	BBMW-4012	BBMW-40D
Start Depth		25	25	25	25	45	45	45	45	70
End Depth		30	30	30	30	50	50	50	50	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/30/2012	2/5/2013	2/5/2013	5/10/2013	9/17/2012	11/30/2012	2/4/2013	5/10/2013	9/17/2012
Parent Sample Code			BBMW-401							
BTEX (µg/L)										
Benzene	1	1 U	3	4	2	5	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1500 D	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	280 D	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	630 D	NA	NA	NA	1 U
Total Xylene	5	1 U	3	3	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	6	7	2	2425	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	1 J	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	44	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	2 J	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-401	BBMW-401	DUP-05 Q1	BBMW-401	BBMW-4012	BBMW-4012	BBMW-4012	BBMW-4012	BBMW-40D
Start Depth		25	25	25	25	45	45	45	45	70
End Depth		30	30	30	30	50	50	50	50	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/30/2012	2/5/2013	2/5/2013	5/10/2013	9/17/2012	11/30/2012	2/4/2013	5/10/2013	9/17/2012
Parent Sample Code			BBMW-401							
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	38	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	NA	65	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	3500 D	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	20	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	250 D	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	220	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	3 J	2 J	10 U	64	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	1 J	1 J	1 J	9 J	10 U	10 U	10 U	10 U
Anthracene	50*	4 J	6 J	4 J	4 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	3 J	1 J	2 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	1 J	10 U	1 J	12	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	260 DJ	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	1600 D	10 U	10 U	10 U	10 U
Phenanthrene	50*	3 J	11	7 J	8 J	5 J	10 U	10 U	10 U	10 U
Pyrene	50*	2 J	4 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BMW-401	BMW-401	DUP-05 Q1	BMW-401	BMW-40I2	BMW-40I2	BMW-40I2	BMW-40I2	BMW-40D
Start Depth		25	25	25	25	45	45	45	45	70
End Depth		30	30	30	30	50	50	50	50	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	11/30/2012	2/5/2013	2/5/2013	5/10/2013	9/17/2012	11/30/2012	2/4/2013	5/10/2013	9/17/2012	
Parent Sample Code			BMW-40I							
Total PAH (17) (ND=0)	NE	11	29	17	18	1950	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-40D	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S
Start Depth		70	6	6	6	6	25	25	25	25
End Depth		75	16	16	16	16	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/10/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1	2	2	4	1 U	1 U	1 U	1 U
Toluene	5	1 U	14	18	14	26	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	2200 D	2100 D	2100 D	3300 D	100	1 U	1 U	1 U
o-Xylene	5	NA	1600 D	NA	NA	NA	65	NA	NA	NA
m/p-Xylene	5	NA	3100 D	NA	NA	NA	150	NA	NA	NA
Total Xylene	5	1 U	NA	3400 D	4100 D	5400 D	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	6915	5520	6216	8730	315	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	2 J	NA	NA	NA	1 J	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	2 J	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	2	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-40D	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41I	BBMW-41I	BBMW-41I
Start Depth		70	6	6	6	6	25	25	25	25
End Depth		75	16	16	16	16	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/10/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	110	NA	NA	NA	5	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	2600 D	NA	NA	NA	130	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	25	NA	NA	NA	1	NA	NA	NA
Styrene	5	NA	2	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	400 D	NA	NA	NA	21	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	230	NA	NA	NA	15	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	2 J	2 J	3 J	2 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	1 J	1 J	3 J	2 J	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	2 J	2 J	3 J	2 J	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	38	49	99 DJ	78	2 J	10 U	10 U	10 U
Naphthalene	10*	10 U	960 D	560 D	2100 D	1800 D	66	10 U	10 U	10 U
Phenanthrene	50*	10 U	3 J	3 J	5 J	4 J	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		BBMW-40D	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41I	BBMW-41I	BBMW-41I	
Start Depth		70	6	6	6	6	6	25	25	25	25
End Depth		75	16	16	16	16	16	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/10/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013	9/17/2012	11/30/2012	2/5/2013	5/13/2013	
Parent Sample Code											
Total PAH (17) (ND=0)	NE	ND	1006	617	2213	1888	68	ND	ND	ND	
Total Metals (µg/L)											
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (µg/L)											
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-41I2	BBMW-41I2	BBMW-41D	BBMW-41D	BBMW-42S	BBMW-42S	BBMW-42I	BBMW-42I	BBMW-42I2
Start Depth		45	45	65	65	5	5	15	15	35
End Depth		50	50	70	70	10	10	25	25	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/20/2012	5/13/2013	9/20/2012	5/13/2013	2/18/2013	5/20/2013	2/18/2013	5/20/2013	2/18/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	31	33	31
Toluene	5	1 U	1 U	1 U	1 U	1 U	2	4	5	6
Ethylbenzene	5	1 U	1 U	1 U	1 U	27	12	410 D	560 D	190 D
o-Xylene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	49	34	71	180	180
Total BTEX (ND=0)	NE	ND	ND	ND	ND	76	48	516	778	407
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Acetone	50*	5 U	NA	5 U	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroform	7	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	1	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	NA	NA	NA	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-41I2	BBMW-41I2	BBMW-41D	BBMW-41D	BBMW-42S	BBMW-42S	BBMW-42I	BBMW-42I	BBMW-42I2
Start Depth		45	45	65	65	5	5	15	15	35
End Depth		50	50	70	70	10	10	25	25	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	9/20/2012	5/13/2013	9/20/2012	5/13/2013	2/18/2013	5/20/2013	2/18/2013	5/20/2013	2/18/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	NA	NA	NA	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	1 J	NA	10 U	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	NA	NA	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	NA	NA	NA	NA
Naphthalene	10*	2	NA	2	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Styrene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	25	16	71	68	210 DJ
Acenaphthylene	NE	10 U	10 U	10 U	10 U	4 J	3 J	14	10	2 J
Anthracene	50*	10 U	10 U	10 U	10 U	2 J	10 U	10	7 J	12
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	2 J	1 J	3 J	2 J	3 J
Fluorene	50*	10 U	10 U	10 U	10 U	16	8 J	26	23	35
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	290 D	140 D	93 DJ	68	270 DJ
Naphthalene	10*	2 J	10 U	2 J	10 U	250 D	110 D	900 D	880 D	1900 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	12	5 J	59	46	67
Pyrene	50*	10 U	10 U	10 U	10 U	5 J	3 J	5 J	3 J	5 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-41I2	BBMW-41I2	BBMW-41D	BBMW-41D	BBMW-42S	BBMW-42S	BBMW-42I	BBMW-42I	BBMW-42I2
Start Depth		45	45	65	65	5	5	15	15	35
End Depth		50	50	70	70	10	10	25	25	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/20/2012	5/13/2013	9/20/2012	5/13/2013	2/18/2013	5/20/2013	2/18/2013	5/20/2013	2/18/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	2	ND	2	ND	608	286	1181	1107	2504
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-42I2	BBMW-43S	BBMW-43S	BBMW-43I	BBMW-43I	BBMW-43I2	BBMW-43I2	MW-03S	MW-03S
Start Depth		35	5	5	15	15	35	35	3	3
End Depth		45	10	10	25	25	45	45	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	9/6/2012	12/10/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	28	1 U	1 U	73	3	1 U	1 U	2	1 U
Toluene	5	4	1 U	1 U	1	1 U	1 U	1 U	1	1 U
Ethylbenzene	5	180	1 U	1 U	310 D	27	1	1 U	14	2
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	120	1 U	1 U	62	10	1 U	1 U	6	2
Total BTEX (ND=0)	NE	332	ND	ND	446	40	1	ND	23	4
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-42I2	BBMW-43S	BBMW-43S	BBMW-43I	BBMW-43I	BBMW-43I2	BBMW-43I2	MW-03S	MW-03S
Start Depth		35	5	5	15	15	35	35	3	3
End Depth		45	10	10	25	25	45	45	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/21/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	9/6/2012	12/10/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	120 DJ	10 U	10 U	27	4 J	10 U	10 U	1 J	10 U
Acenaphthylene	NE	46	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	9 J	10 U	10 U	3 J	2 J	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	29	10 U	10 U	8 J	4 J	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	150 DJ	10 U	10 U	9 J	1 J	10 U	10 U	10 U	10 U
Naphthalene	10*	740 D	10 U	10 U	470 D	23	10 U	10 U	4 J	10 U
Phenanthrene	50*	62	10 U	10 U	20	18	10 U	10 U	2 J	10 U
Pyrene	50*	4 J	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-4212	BBMW-43S	BBMW-43S	BBMW-43I	BBMW-43I	BBMW-43I2	BBMW-43I2	MW-03S	MW-03S
Start Depth		35	5	5	15	15	35	35	3	3
End Depth		45	10	10	25	25	45	45	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	2/15/2013	5/17/2013	9/6/2012	12/10/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	1163	ND	ND	552	53	ND	ND	7	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-03S	MW-03S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05D	MW-05D	MW-05D
Start Depth		3	3	4	4	4	4	35.5	35.5	35.5
End Depth		13	13	14	14	14	14	45.5	45.5	45.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/1/2013	5/13/2013	9/17/2012	12/6/2012	2/13/2013	5/20/2013	9/17/2012	12/6/2012	2/13/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	2	8	11	8	9	1	1 U	1 U
Toluene	5	1 U	1 U	6	6	6	5	2	1 U	1 U
Ethylbenzene	5	3	6	1500 D	2500 D	2000 D	2300 D	2	71	2
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	2	7	1700 D	2600 D	2000 D	2400 D	5	83	6
Total BTEX (ND=0)	NE	5	15	3214	5117	4014	4714	10	154	8
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-03S	MW-03S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05D	MW-05D	MW-05D
Start Depth		3	3	4	4	4	4	35.5	35.5	35.5
End Depth		13	13	14	14	14	14	45.5	45.5	45.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/1/2013	5/13/2013	9/17/2012	12/6/2012	2/13/2013	5/20/2013	9/17/2012	12/6/2012	2/13/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	34	36	32	29	97 DJ	75	95 DJ
Acenaphthylene	NE	10 U	10 U	12	13	15	12	180 D	130 DJ	150 DJ
Anthracene	50*	10 U	10 U	5 J	5 J	4 J	3 J	6 J	4 J	5 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	2 J	2 J	1 J	1 J	2 J	1 J	1 J
Fluorene	50*	10 U	10 U	20	22	19	17	39	27	27
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	160 DJ	200 D	220 D	150 DJ	800 D	630 D	820 D
Naphthalene	10*	10 U	10 U	990 D	1000 D	1200 D	830 D	450 D	360 D	490 D
Phenanthrene	50*	10 U	10 U	25	26	23	20	35	25	27
Pyrene	50*	10 U	10 U	2 J	2 J	2 J	1 J	2 J	2 J	2 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-03S	MW-03S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05D	MW-05D	MW-05D
Start Depth		3	3	4	4	4	4	35.5	35.5	35.5
End Depth		13	13	14	14	14	14	45.5	45.5	45.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/1/2013	5/13/2013	9/17/2012	12/6/2012	2/13/2013	5/20/2013	9/17/2012	12/6/2012	2/13/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	1250	1306	1516	1063	1611	1254	1617
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-07 Q1	MW-05D	MW-09S	MW-09S	OU2MW-48S	OU2MW-48S	OU2MW-48I	OU2MW-48I	DUP-13 Q2
Start Depth		35.5	35.5	4	4	3	3	25	25	25
End Depth		45.5	45.5	14	14	13	13	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/13/2013	5/20/2013	10/1/2012	6/21/2013	8/20/2012	5/20/2013	8/20/2012	5/20/2013	5/20/2013
Parent Sample Code	MW-05D								OU2MW-48I	
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	2	120	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	6	140	1 U	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	8	260	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	14	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-07 Q1	MW-05D	MW-09S	MW-09S	OU2MW-48S	OU2MW-48S	OU2MW-48I	OU2MW-48I	DUP-13 Q2
Start Depth		35.5	35.5	4	4	3	3	25	25	25
End Depth		45.5	45.5	14	14	13	13	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/13/2013	5/20/2013	10/1/2012	6/21/2013	8/20/2012	5/20/2013	8/20/2012	5/20/2013	5/20/2013
Parent Sample Code	MW-05D								OU2MW-48I	
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	35	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	11	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	140 DJ	89 DJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	230 D	95 DJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	7 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	42	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	1200 D	540 D	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	730 D	360 D	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	37	22	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-07 Q1	MW-05D	MW-09S	MW-09S	OU2MW-48S	OU2MW-48S	OU2MW-48I	OU2MW-48I	DUP-13 Q2
Start Depth		35.5	35.5	4	4	3	3	25	25	25
End Depth		45.5	45.5	14	14	13	13	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/13/2013	5/20/2013	10/1/2012	6/21/2013	8/20/2012	5/20/2013	8/20/2012	5/20/2013	5/20/2013
Parent Sample Code	MW-05D								OU2MW-48I	
Total PAH (17) (ND=0)	NE	2390	1137	ND	ND	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-48I2	OU2MW-48I2	OU2MW-48D	OU2MW-48D	OU2MW-49S	OU2MW-49S	OU2MW-49I	OU2MW-49I	OU2MW-49I2
Start Depth		45	45	65	65	3	3	25	25	45
End Depth		50	50	70	70	13	13	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/20/2012	5/20/2013	8/20/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	5 U	NA	5 B	NA	5 U	NA	5 U	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-48I2	OU2MW-48I2	OU2MW-48D	OU2MW-48D	OU2MW-49S	OU2MW-49S	OU2MW-49I	OU2MW-49I	OU2MW-49I2
Start Depth		45	45	65	65	3	3	25	25	45
End Depth		50	50	70	70	13	13	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/20/2012	5/20/2013	8/20/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-48I2	OU2MW-48I2	OU2MW-48D	OU2MW-48D	OU2MW-49S	OU2MW-49S	OU2MW-49I	OU2MW-49I	OU2MW-49I2
Start Depth		45	45	65	65	3	3	25	25	45
End Depth		50	50	70	70	13	13	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/20/2012	5/20/2013	8/20/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012	5/20/2013	7/26/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-49I2	OU2MW-49D	OU2MW-49D	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50I	OU2MW-50I
Start Depth		45	63	63	5	5	5	5	25	25
End Depth		50	68	68	15	15	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/20/2013	7/26/2012	5/20/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-49I2	OU2MW-49D	OU2MW-49D	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50I	OU2MW-50I
Start Depth		45	63	63	5	5	5	5	25	25
End Depth		50	68	68	15	15	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/20/2013	7/26/2012	5/20/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-49I2	OU2MW-49D	OU2MW-49D	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50I	OU2MW-50I
Start Depth		45	63	63	5	5	5	5	25	25
End Depth		50	68	68	15	15	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/20/2013	7/26/2012	5/20/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50I	OU2MW-50I	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50D	OU2MW-50D	OU2MW-50D
Start Depth		25	25	45	45	45	45	65	65	65
End Depth		30	30	50	50	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	4	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50I	OU2MW-50I	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50D	OU2MW-50D	OU2MW-50D
Start Depth		25	25	45	45	45	45	65	65	65
End Depth		30	30	50	50	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	2 J	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50I	OU2MW-50I	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50I2	OU2MW-50D	OU2MW-50D	OU2MW-50D
Start Depth		25	25	45	45	45	45	65	65	65
End Depth		30	30	50	50	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013	5/9/2013	8/9/2012	11/27/2012	2/7/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50D	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-51I	OU2MW-51I	OU2MW-51I2	OU2MW-51I2
Start Depth		65	5	5	5	5	25	25	45	45
End Depth		70	15	15	15	15	30	30	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	8/9/2012	11/26/2012	2/1/2013	5/30/2013	8/9/2012	5/30/2013	8/9/2012	5/30/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	2	NA	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	4	1 U	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	2	4	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Acetone	50*	NA	10	NA	NA	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1	NA	NA	NA	17	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	7 J	NA	NA	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10	NA	NA	NA	10 U	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50D	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-51I	OU2MW-51I	OU2MW-51I2	OU2MW-51I2
Start Depth		65	5	5	5	5	25	25	45	45
End Depth		70	15	15	15	15	30	30	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	8/9/2012	11/26/2012	2/1/2013	5/30/2013	8/9/2012	5/30/2013	8/9/2012	5/30/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	73	NA	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Isopropyl benzene	5	NA	7	NA	NA	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	4 J	NA	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	2	NA	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	40	NA	NA	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	260 D	NA	NA	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	140	NA	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	3 J	7 J	5 J	2 J	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	2 J	2 J	3 J	2 J	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-50D	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-51S	OU2MW-511	OU2MW-511	OU2MW-5112	OU2MW-512
Start Depth		65	5	5	5	5	25	25	45	45
End Depth		70	15	15	15	15	30	30	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	8/9/2012	11/26/2012	2/1/2013	5/30/2013	8/9/2012	5/30/2013	8/9/2012	5/30/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	5	9	8	4	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-18 Q2	OU2MW-51D	DUP-08 Q3	OU2MW-51D	OU2MW-57S	OU2MW-57S	DUP-08 Q4	OU2MW-57S	OU2MW-57S
Start Depth		45	61	61	61	5	5	5	5	5
End Depth		50	66	66	66	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/30/2013	8/9/2012	8/9/2012	5/30/2013	8/10/2012	11/27/2012	11/27/2012	2/7/2013	5/13/2013
Parent Sample Code	OU2MW-51I2		OU2MW-51D				OU2MW-57S			
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	60	32	41	11	15
o-Xylene	5	NA	1 U	1 U	NA	20	NA	NA	NA	NA
m/p-Xylene	5	NA	1 U	1 U	NA	2	NA	NA	NA	NA
Total Xylene	5	1 U	NA	NA	1 U	NA	18	21	9	11
Total BTEX (ND=0)	NE	ND	ND	ND	ND	82	50	62	20	26
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	5 U	1 J	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	500 U	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	500 U	500 U	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-18 Q2	OU2MW-51D	DUP-08 Q3	OU2MW-51D	OU2MW-57S	OU2MW-57S	DUP-08 Q4	OU2MW-57S	OU2MW-57S
Start Depth		45	61	61	61	5	5	5	5	5
End Depth		50	66	66	66	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/30/2013	8/9/2012	8/9/2012	5/30/2013	8/10/2012	11/27/2012	11/27/2012	2/7/2013	5/13/2013
Parent Sample Code	OU2MW-5112		OU2MW-51D				OU2MW-57S			
Hexachlorobutadiene	0.5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	5 U	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	1 U	1 U	NA	14	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	5 U	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	5 U	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	2 U	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	1 U	1 U	NA	52	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	500 U	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	1 U	1 U	NA	10	NA	NA	NA	NA
Styrene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	1 U	NA	100	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	1 U	NA	54	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10	5 J	7 J	10 U	9 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	2 J	1 J	1 J	10 U	1 J
Anthracene	50*	10 U	10 U	10 U	10 U	3 J	1 J	2 J	10 U	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	8 J	4 J	5 J	10 U	7 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	11	7 J	10	10 U	13
Naphthalene	10*	10 U	10 U	10 U	10 U	25	9 J	15	10 U	23
Phenanthrene	50*	10 U	10 U	10 U	10 U	10	4 J	6 J	10 U	9 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-18 Q2	OU2MW-51D	DUP-08 Q3	OU2MW-51D	OU2MW-57S	OU2MW-57S	DUP-08 Q4	OU2MW-57S	OU2MW-57S
Start Depth		45	61	61	61	5	5	5	5	5
End Depth		50	66	66	66	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/30/2013	8/9/2012	8/9/2012	5/30/2013	8/10/2012	11/27/2012	11/27/2012	2/7/2013	5/13/2013
Parent Sample Code	OU2MW-5112		OU2MW-51D				OU2MW-57S			
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	69	31	46	ND	64
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-5712	OU2MW-5712	OU2MW-5712	OU2MW-5712	OZMW-16S
Start Depth		20	20	20	20	35	35	35	35	5
End Depth		30	30	30	30	45	45	45	45	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/28/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	4	NA	NA	NA	1 U	NA	NA	NA	1 U
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	4	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-5712	OU2MW-5712	OU2MW-5712	OU2MW-5712	OZMW-16S
Start Depth		20	20	20	20	35	35	35	35	5
End Depth		30	30	30	30	45	45	45	45	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/28/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	2	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	10	NA	NA	NA	1 U	NA	NA	NA	7
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	2	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	1 J	1 J	2 J	1 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	6 J	8 J	11	6 J	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	4 J	3 J	3 J	4 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	4 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	2 J	7 J	10 U	10 U	10 U	10 U	10 U	6 J
Phenanthrene	50*	2 J	3 J	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-571	OU2MW-5712	OU2MW-5712	OU2MW-5712	OU2MW-5712	OZMW-16S
Start Depth		20	20	20	20	35	35	35	35	5
End Depth		30	30	30	30	45	45	45	45	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/10/2012	11/27/2012	2/7/2013	5/13/2013	8/28/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	13	21	27	13	ND	ND	ND	ND	6
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	453
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	4.4 U
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	12 B
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	0.18 U
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	40600 E
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	0.52 U
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.52 U
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	1.8 B
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	448 E
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	6.9
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	9970 E
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	30.3 E
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	0.1 UN
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	1.3 B
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	4180 BE
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	7.6
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	0.42 B
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	25700
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	2.9 B
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	644
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	121000 D
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	19400
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	850
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	850
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	9300
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	80

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2	OZMW-16I2
Start Depth		5	5	5	20	20	20	20	35	35
End Depth		15	15	15	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	24
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5
Ethylbenzene	5	1 U	1 U	1 U	1	1 U	1 U	1 U	20	83
o-Xylene	5	NA	NA	NA	1	NA	NA	NA	16	NA
m/p-Xylene	5	NA	NA	NA	2	NA	NA	NA	13	NA
Total Xylene	5	1 U	1 U	1 U	NA	3	1 U	1 U	NA	170
Total BTEX (ND=0)	NE	ND	ND	ND	4	3	ND	ND	53	282
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2	OZMW-16I2
Start Depth		5	5	5	20	20	20	20	35	35
End Depth		15	15	15	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	3	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	2 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	24	NA	NA	NA	220 D	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	22	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	12	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J	37
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	23
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 J	36
Naphthalene	10*	10 U	10 U	10 U	13	10 U	10 U	10 U	120 D	1100 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	17
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2	OZMW-16I2
Start Depth		5	5	5	20	20	20	20	35	35
End Depth		15	15	15	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012	2/22/2013	5/21/2013	8/28/2012	12/11/2012	
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	13	ND	ND	ND	151	1220
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	9.5 U	NA	NA	NA	101 B	NA
Antimony	3	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U	NA
Barium	1000	NA	NA	NA	45.5 B	NA	NA	NA	22.3 B	NA
Beryllium	3*	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	NA	NA	0.18 U	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	NA	NA	63000 E	NA	NA	NA	17800 E	NA
Chromium	50	NA	NA	NA	0.52 U	NA	NA	NA	0.52 U	NA
Cobalt	NE	NA	NA	NA	0.52 U	NA	NA	NA	4.5 B	NA
Copper	200	NA	NA	NA	0.7 U	NA	NA	NA	0.9 B	NA
Iron	300	NA	NA	NA	82.5 BE	NA	NA	NA	4700 E	NA
Lead	25	NA	NA	NA	5	NA	NA	NA	8	NA
Magnesium	35000*	NA	NA	NA	18200 E	NA	NA	NA	4930 BE	NA
Manganese	300	NA	NA	NA	87.2 E	NA	NA	NA	190 E	NA
Mercury	0.7	NA	NA	NA	0.1 UN	NA	NA	NA	0.1 UN	NA
Nickel	100	NA	NA	NA	1.1 B	NA	NA	NA	6.7 B	NA
Potassium	NE	NA	NA	NA	4520 BE	NA	NA	NA	2450 BE	NA
Selenium	10	NA	NA	NA	3.8 B	NA	NA	NA	4.9 B	NA
Silver	50	NA	NA	NA	0.57 B	NA	NA	NA	0.42 B	NA
Sodium	20000	NA	NA	NA	55000	NA	NA	NA	45400	NA
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	NA	NA	1 B	NA	NA	NA	0.23 U	NA
Zinc	2000*	NA	NA	NA	56.3	NA	NA	NA	66.3	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	190000 D	NA	NA	NA	27000 D	NA
Ammonia	2000	NA	NA	NA	100 U	NA	NA	NA	120	NA
Carbon dioxide	NE	NA	NA	NA	15000	NA	NA	NA	26400	NA
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	NA	100 U	NA	NA	NA	1560	NA
Total Nitrogen	NE	NA	NA	NA	100 U	NA	NA	NA	1560	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Sulfate	250000	NA	NA	10400	5000 U	NA	NA	5000 U	26300	NA
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	NA	NA	50 U	NA	NA	NA	50 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16I2	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	DUP-08 Q1	OZMW-16D	OZMW-17S	OZMW-17S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/21/2013	5/21/2013	8/28/2012	12/11/2012	2/21/2013	2/21/2013	5/21/2013	8/29/2012	12/11/2012
Parent Sample Code						OZMW-16D				
BTEX (µg/L)										
Benzene	1	3	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	4	51	1 U	1	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Total Xylene	5	11	100	NA	2	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	18	166	ND	3	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16I2	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	DUP-08 Q1	OZMW-16D	OZMW-17S	OZMW-17S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/21/2013	5/21/2013	8/28/2012	12/11/2012	2/21/2013	2/21/2013	5/21/2013	8/29/2012	12/11/2012	
Parent Sample Code						OZMW-16D				
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	3 J	49	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	17	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	42	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	2 J	1200 D	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	1 J	17	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-16I2	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	DUP-08 Q1	OZMW-16D	OZMW-17S	OZMW-17S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/21/2013	5/21/2013	8/28/2012	12/11/2012	2/21/2013	2/21/2013	2/21/2013	5/21/2013	8/29/2012	12/11/2012
Parent Sample Code						OZMW-16D				
Total PAH (17) (ND=0)	NE	8	1330	ND	1	ND	ND	ND	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	129 B	NA	NA	NA	NA	80.6 B	NA
Antimony	3	NA	NA	1.1 U	NA	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	NA	9.1 B	NA	NA	NA	NA	4.4 U	NA
Barium	1000	NA	NA	22.4 B	NA	NA	NA	NA	33.2 B	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	NA	7610 E	NA	NA	NA	NA	61100 E	NA
Chromium	50	NA	NA	0.8 B	NA	NA	NA	NA	1.7 B	NA
Cobalt	NE	NA	NA	3.3 B	NA	NA	NA	NA	0.52 U	NA
Copper	200	NA	NA	0.7 U	NA	NA	NA	NA	4 B	NA
Iron	300	NA	NA	10400 E	NA	NA	NA	NA	140 E	NA
Lead	25	NA	NA	11.7	NA	NA	NA	NA	8	NA
Magnesium	35000*	NA	NA	2510 BE	NA	NA	NA	NA	8070 E	NA
Manganese	300	NA	NA	179 E	NA	NA	NA	NA	72.8 E	NA
Mercury	0.7	NA	NA	0.1 UN	NA	NA	NA	NA	0.1 UN	NA
Nickel	100	NA	NA	4.8 B	NA	NA	NA	NA	1.4 B	NA
Potassium	NE	NA	NA	1080 BE	NA	NA	NA	NA	7720 E	NA
Selenium	10	NA	NA	4 B	NA	NA	NA	NA	5.7	NA
Silver	50	NA	NA	0.32 U	NA	NA	NA	NA	0.42 B	NA
Sodium	20000	NA	NA	11000	NA	NA	NA	NA	12700	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	NA	0.23 U	NA	NA	NA	NA	6.9 B	NA
Zinc	2000*	NA	NA	30.1	NA	NA	NA	NA	37.9	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	1000 U	NA	NA	NA	NA	166000 D	NA
Ammonia	2000	NA	NA	100 U	NA	NA	NA	NA	110	NA
Carbon dioxide	NE	NA	NA	21100	NA	NA	NA	NA	29900	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	100 U	NA	NA	NA	NA	490	NA
Total Nitrogen	NE	NA	NA	100 U	NA	NA	NA	NA	490	NA
Total Kjeldahl Nitrogen	NE	NA	NA	100 U	NA	NA	NA	NA	100 U	NA
Sulfate	250000	NA	25200	48500	NA	NA	NA	65600 D	11900	NA
Sulfide	50*	NA	NA	2000 U	NA	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	NA	50 U	NA	NA	NA	NA	200	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-17S	OZMW-17S	OZMW-171	DUP-17 Q3	OZMW-171	OZMW-171	OZMW-171	OZMW-1712	OZMW-1712
Start Depth		5	5	20	20	20	20	20	35	35
End Depth		15	15	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	5/20/2013	8/29/2012	8/29/2012	12/11/2012	2/22/2013	5/20/2013	8/29/2012	12/11/2012
Parent Sample Code				OZMW-171						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	1 U	NA	NA	2	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	2	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	5 U	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-17S	OZMW-17S	OZMW-171	DUP-17 Q3	OZMW-171	OZMW-171	OZMW-171	OZMW-1712	OZMW-1712
Start Depth		5	5	20	20	20	20	20	35	35
End Depth		15	15	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	5/20/2013	8/29/2012	8/29/2012	12/11/2012	2/22/2013	5/20/2013	8/29/2012	12/11/2012
Parent Sample Code				OZMW-171						
Hexachlorobutadiene	0.5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	5 U	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	2 U	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	1 U	1 U	NA	NA	NA	9	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	1 U	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	1 J	10 U	10 U	9 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	2 J	10 U	10 U	1 J	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10	10 U	10 U	5 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-17S	OZMW-17S	OZMW-17I	DUP-17 Q3	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I2	OZMW-17I2
Start Depth		5	5	20	20	20	20	20	35	35
End Depth		15	15	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/22/2013	5/20/2013	8/29/2012	8/29/2012	12/11/2012	2/22/2013	5/20/2013	8/29/2012	12/11/2012	
Parent Sample Code				OZMW-17I						
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	13	ND	ND	18	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	100 B	87.4 B	NA	NA	NA	9.5 U	NA
Antimony	3	NA	NA	1.1 U	1.1 U	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	NA	4.4 U	4.4 U	NA	NA	NA	4.4 U	NA
Barium	1000	NA	NA	22.7 B	20.5 B	NA	NA	NA	84.7 B	NA
Beryllium	3*	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	NA	0.18 U	0.18 U	NA	NA	NA	0.2 B	NA
Calcium	NE	NA	NA	60200 E	61200 E	NA	NA	NA	22100 E	NA
Chromium	50	NA	NA	3.3 B	6 B	NA	NA	NA	0.52 U	NA
Cobalt	NE	NA	NA	0.6 B	0.52 U	NA	NA	NA	2.5 B	NA
Copper	200	NA	NA	1.5 B	2 B	NA	NA	NA	0.7 U	NA
Iron	300	NA	NA	193 E	140 E	NA	NA	NA	32.3 BE	NA
Lead	25	NA	NA	9.7	8.6	NA	NA	NA	6.8	NA
Magnesium	35000*	NA	NA	16200 E	14700 E	NA	NA	NA	4160 BE	NA
Manganese	300	NA	NA	89.5 E	63.3 E	NA	NA	NA	3380 E	NA
Mercury	0.7	NA	NA	0.1 UN	0.1 UN	NA	NA	NA	0.1 UN	NA
Nickel	100	NA	NA	2.1 B	1.3 B	NA	NA	NA	7.9 B	NA
Potassium	NE	NA	NA	5510 E	4990 BE	NA	NA	NA	3300 BE	NA
Selenium	10	NA	NA	3.2 B	2.8 U	NA	NA	NA	7.3	NA
Silver	50	NA	NA	0.34 B	0.32 U	NA	NA	NA	0.71 B	NA
Sodium	20000	NA	NA	48000	45400	NA	NA	NA	61700	NA
Thallium	0.5*	NA	NA	3.2 U	3.2 U	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	NA	1.1 B	1.1 B	NA	NA	NA	0.23 U	NA
Zinc	2000*	NA	NA	18.9 B	20.7	NA	NA	NA	15.5 B	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	207000 D	188000 D	NA	NA	NA	33800 D	NA
Ammonia	2000	NA	NA	1550	1440	NA	NA	NA	130	NA
Carbon dioxide	NE	NA	NA	28200	29000	NA	NA	NA	29000	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	100 U	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	500	550	NA	NA	NA	1480	NA
Total Nitrogen	NE	NA	NA	1880	1850	NA	NA	NA	1480	NA
Total Kjeldahl Nitrogen	NE	NA	NA	1380	1300	NA	NA	NA	500 U	NA
Sulfate	250000	NA	13300	5000 U	5000 U	NA	NA	5000 U	26100	NA
Sulfide	50*	NA	NA	2000 U	2000 U	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	NA	80	80	NA	NA	NA	50 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-1712	OZMW-1712	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S
Start Depth		35	35	53	53	53	53	5	5	5
End Depth		45	45	63	63	63	63	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/1/2013	5/20/2013	8/31/2012	12/11/2012	2/28/2013	5/20/2013	8/30/2012	12/11/2012	2/26/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	4	13	16	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	30	32	49	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	78	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	190	NA	NA	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	NA	250	380	90	NA	2	1 U
Total BTEX (ND=0)	NE	ND	ND	302	295	445	101	ND	2	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	1 J	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

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 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-1712	OZMW-1712	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S
Start Depth		35	35	53	53	53	53	5	5	5
End Depth		45	45	63	63	63	63	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	3/1/2013	5/20/2013	8/31/2012	12/11/2012	2/28/2013	5/20/2013	8/30/2012	12/11/2012	2/26/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	2	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1900 D	NA	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	12	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	74	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	170	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	71	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	16	10	10	8 J	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	130 DJ	140 DJ	120 J	66	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	3 J	2 J	3 J	2 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	27	21	17	15	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	220 DJ	260 D	180 J	140 DJ	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	1400 D	1300 D	1100	690 D	10 U	7 J	10 U
Phenanthrene	50*	10 U	10 U	25	17	21	16	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-1712	OZMW-1712	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S
Start Depth		35	35	53	53	53	53	5	5	5
End Depth		45	45	63	63	63	63	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/1/2013	5/20/2013	8/31/2012	12/11/2012	2/28/2013	5/20/2013	8/30/2012	12/11/2012	2/26/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	1821	1750	1451	937	ND	7	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	50.6 B	NA	NA	NA	23.7 B	NA	NA
Antimony	3	NA	NA	1.8 B	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	NA	11.5	NA	NA	NA	4.4 U	NA	NA
Barium	1000	NA	NA	16.9 B	NA	NA	NA	8.1 B	NA	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	NA	6480 E	NA	NA	NA	55700 E	NA	NA
Chromium	50	NA	NA	3.3 B	NA	NA	NA	4.1 B	NA	NA
Cobalt	NE	NA	NA	10.8 B	NA	NA	NA	0.52 U	NA	NA
Copper	200	NA	NA	0.7 U	NA	NA	NA	2.6 B	NA	NA
Iron	300	NA	NA	18200 E	NA	NA	NA	54.3 BE	NA	NA
Lead	25	NA	NA	26.8	NA	NA	NA	7.9	NA	NA
Magnesium	35000*	NA	NA	1920 BE	NA	NA	NA	9070 E	NA	NA
Manganese	300	NA	NA	380 E	NA	NA	NA	6.9 BE	NA	NA
Mercury	0.7	NA	NA	0.1 UN	NA	NA	NA	0.1 UN	NA	NA
Nickel	100	NA	NA	21.4 B	NA	NA	NA	1 B	NA	NA
Potassium	NE	NA	NA	1100 BE	NA	NA	NA	6370 E	NA	NA
Selenium	10	NA	NA	3.5 B	NA	NA	NA	2.8 U	NA	NA
Silver	50	NA	NA	0.32 U	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	NA	NA	10100	NA	NA	NA	16800	NA	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	NA	NA	2.1 B	NA	NA	NA	3.1 B	NA	NA
Zinc	2000*	NA	NA	51.5	NA	NA	NA	18.8 B	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	2300	NA	NA	NA	146000 D	NA	NA
Ammonia	2000	NA	NA	390	NA	NA	NA	180	NA	NA
Carbon dioxide	NE	NA	NA	42200	NA	NA	NA	27300	NA	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	NA	100 U	NA	NA	NA	750	NA	NA
Total Nitrogen	NE	NA	NA	370	NA	NA	NA	750	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	370	NA	NA	NA	100 U	NA	NA
Sulfate	250000	NA	27000	59700 D	NA	NA	69000 D	13800	NA	NA
Sulfide	50*	NA	NA	2000 U	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	NA	60	NA	NA	NA	90	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	DUP-09 Q1	OZMW-18I	OZMW-18I2	OZMW-18I2	OZMW-18I2
Start Depth		5	20	20	20	20	20	35	35	35
End Depth		15	30	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	8/29/2012	12/11/2012	2/26/2013	2/26/2013	5/21/2013	8/30/2012	12/11/2012	2/26/2013
Parent Sample Code					OZMW-18I					
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	NA	3	NA	NA
m/p-Xylene	5	NA	1 U	NA	NA	NA	NA	7	NA	NA
Total Xylene	5	1 U	NA	1 U	1 U	1 U	1 U	NA	1 U	5
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	24	ND	6
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	5 U	NA	NA	NA	NA	2 J	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	1	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	DUP-09 Q1	OZMW-18I	OZMW-18I2	OZMW-18I2	OZMW-18I2
Start Depth		5	20	20	20	20	20	35	35	35
End Depth		15	30	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/21/2013	8/29/2012	12/11/2012	2/26/2013	2/26/2013	5/21/2013	8/30/2012	12/11/2012	2/26/2013	
Parent Sample Code					OZMW-18I					
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Isopropyl benzene	5	NA	1 U	NA	NA	NA	13	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	7 J	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	
Naphthalene	10*	NA	1 U	NA	NA	NA	1500 D	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	
n-Propylbenzene	5	NA	1 U	NA	NA	NA	5	NA	NA	
Styrene	5	NA	1 U	NA	NA	NA	2	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	7	NA	NA	
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	110	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	100	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	24	2 J	4 J	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	11	1 J	6 J	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	84 DJ	4 J	9 J	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	830 D	54	120	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	DUP-09 Q1	OZMW-18I	OZMW-18I2	OZMW-18I2	OZMW-18I2
Start Depth		5	20	20	20	20	20	35	35	35
End Depth		15	30	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	8/29/2012	12/11/2012	2/26/2013	2/26/2013	5/21/2013	8/30/2012	12/11/2012	2/26/2013
Parent Sample Code					OZMW-18I					
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	955	61	139
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	NA	NA	NA	9.5 U	NA	NA
Antimony	3	NA	1.1 U	NA	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	4.4 U	NA	NA	NA	NA	4.4 U	NA	NA
Barium	1000	NA	14.2 B	NA	NA	NA	NA	41 B	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	0.18 U	NA	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	50500 E	NA	NA	NA	NA	48900 E	NA	NA
Chromium	50	NA	1.6 B	NA	NA	NA	NA	2.1 B	NA	NA
Cobalt	NE	NA	0.52 U	NA	NA	NA	NA	0.52 U	NA	NA
Copper	200	NA	0.7 U	NA	NA	NA	NA	2.5 B	NA	NA
Iron	300	NA	36.5 BE	NA	NA	NA	NA	41.3 BE	NA	NA
Lead	25	NA	9.4	NA	NA	NA	NA	6.2	NA	NA
Magnesium	35000*	NA	12800 E	NA	NA	NA	NA	9550 E	NA	NA
Manganese	300	NA	7.6 BE	NA	NA	NA	NA	2040 E	NA	NA
Mercury	0.7	NA	0.1 UN	NA	NA	NA	NA	0.1 UN	NA	NA
Nickel	100	NA	0.8 B	NA	NA	NA	NA	1 B	NA	NA
Potassium	NE	NA	4360 BE	NA	NA	NA	NA	5380 E	NA	NA
Selenium	10	NA	5.3	NA	NA	NA	NA	2.8 U	NA	NA
Silver	50	NA	0.32 U	NA	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	NA	45400	NA	NA	NA	NA	48700	NA	NA
Thallium	0.5*	NA	3.2 U	NA	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	NA	0.3 B	NA	NA	NA	NA	0.23 U	NA	NA
Zinc	2000*	NA	28	NA	NA	NA	NA	9.1 B	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	147000 D	NA	NA	NA	NA	129000 D	NA	NA
Ammonia	2000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Carbon dioxide	NE	NA	22900	NA	NA	NA	NA	38700	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	590	NA	NA	NA	NA	1740	NA	NA
Total Nitrogen	NE	NA	590	NA	NA	NA	NA	1740	NA	NA
Total Kjeldahl Nitrogen	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
Sulfate	250000	13500	5000 U	NA	NA	NA	5000 U	5000 U	NA	NA
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	50 U	NA	NA	NA	NA	50 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-18I2	OZMW-18D	OZMW-18D	DUP-13 Q4	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S
Start Depth		35	55	55	55	55	55	5	5	5
End Depth		45	65	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	8/29/2012	12/11/2012	12/11/2012	2/26/2013	5/21/2013	8/27/2012	12/4/2012	2/8/2013
Parent Sample Code				OZMW-18D						
BTEX (µg/L)										
Benzene	1	1 U	1	1	1	1 U	1 U	1 U	1	3
Toluene	5	1 U	40	30	31	23	13	1	1 U	1 U
Ethylbenzene	5	1 U	33	22	23	28	15	44	54	95
o-Xylene	5	NA	120	NA	NA	NA	NA	44	NA	NA
m/p-Xylene	5	NA	240	NA	NA	NA	NA	24	NA	NA
Total Xylene	5	1 U	NA	150	160	300	98	NA	91	130
Total BTEX (ND=0)	NE	ND	434	203	215	351	126	113	146	228
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	1 J	NA	NA	NA	NA	1 BJ	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	10	NA	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-18I2	OZMW-18D	OZMW-18D	DUP-13 Q4	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S
Start Depth		35	55	55	55	55	55	5	5	5
End Depth		45	65	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/21/2013	8/29/2012	12/11/2012	12/11/2012	2/26/2013	5/21/2013	8/27/2012	12/4/2012	2/8/2013	
Parent Sample Code				OZMW-18D						
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	22	NA	NA	NA	NA	8	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	2 J	NA	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	3600 D	NA	NA	NA	NA	150	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	22	NA	NA	NA	NA	4	NA	NA
Styrene	5	NA	74	NA	NA	NA	NA	3	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	180 D	NA	NA	NA	NA	92	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	190	NA	NA	NA	NA	96	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	31	21	22	42	21	24	33	2 J
Acenaphthylene	NE	1 J	180 DJ	110 DJ	110 DJ	250 J	80	2 J	3 J	2 J
Anthracene	50*	10 U	7 J	5 J	5 J	9 J	4 J	3 J	6 J	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	1 J	1 J	1 J	2 J	10 U	1 J	2 J	1 J
Fluorene	50*	10 U	9 J	5 J	6 J	20	8 J	21	25	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	2 J	260 DJ	160 DJ	160 DJ	570 J	120 DJ	59	120 D	10 U
Naphthalene	10*	14	2800 D	1400 D	1400 D	4500	1100 D	42	340 D	10 U
Phenanthrene	50*	10 U	47	26	29	50	26	19	25	10 U
Pyrene	50*	10 U	2 J	1 J	1 J	2 J	2 J	2 J	4 J	3 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-18I2	OZMW-18D	OZMW-18D	DUP-13 Q4	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S
Start Depth		35	55	55	55	55	55	5	5	5
End Depth		45	65	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/21/2013	8/29/2012	12/11/2012	12/11/2012	2/26/2013	5/21/2013	8/27/2012	12/4/2012	2/8/2013	
Parent Sample Code				OZMW-18D						
Total PAH (17) (ND=0)	NE	17	3337	1729	1734	5445	1361	173	558	8
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	NA	NA	NA	9.5 U	NA	NA
Antimony	3	NA	1.1 U	NA	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	4.4 U	NA	NA	NA	NA	4.8 B	NA	NA
Barium	1000	NA	42.6 B	NA	NA	NA	NA	51.1 B	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	0.18 U	NA	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	15400 E	NA	NA	NA	NA	105000	NA	NA
Chromium	50	NA	4.2 B	NA	NA	NA	NA	5.5 B	NA	NA
Cobalt	NE	NA	19.1 B	NA	NA	NA	NA	0.52 U	NA	NA
Copper	200	NA	0.7 U	NA	NA	NA	NA	2 B	NA	NA
Iron	300	NA	51300 E	NA	NA	NA	NA	1100	NA	NA
Lead	25	NA	26.5	NA	NA	NA	NA	9	NA	NA
Magnesium	35000*	NA	5620 E	NA	NA	NA	NA	12200	NA	NA
Manganese	300	NA	1430 E	NA	NA	NA	NA	25.9	NA	NA
Mercury	0.7	NA	0.1 UN	NA	NA	NA	NA	0.1 U	NA	NA
Nickel	100	NA	24 B	NA	NA	NA	NA	1.7 B	NA	NA
Potassium	NE	NA	4390 BE	NA	NA	NA	NA	16400	NA	NA
Selenium	10	NA	3.9 B	NA	NA	NA	NA	2.8 UN	NA	NA
Silver	50	NA	0.37 B	NA	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	NA	51900	NA	NA	NA	NA	10800	NA	NA
Thallium	0.5*	NA	3.2 U	NA	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	NA	4.5 B	NA	NA	NA	NA	2.5 B	NA	NA
Zinc	2000*	NA	33.1	NA	NA	NA	NA	18 B	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	2300	NA	NA	NA	NA	293000 D	NA	NA
Ammonia	2000	NA	1060	NA	NA	NA	NA	520	NA	NA
Carbon dioxide	NE	NA	76600	NA	NA	NA	NA	66900	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	NA	1150	NA	NA	NA	NA	820	NA	NA
Total Kjeldahl Nitrogen	NE	NA	1150	NA	NA	NA	NA	820	NA	NA
Sulfate	250000	5000 U	155000 D	NA	NA	NA	120000 D	13200	NA	NA
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	2600	NA	NA
Total Phosphorous	NE	NA	80	NA	NA	NA	NA	310	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-19S	OZMW-19I	DUP-16 Q3	OZMW-19I	OZMW-19I	DUP-06 Q1	OZMW-19I	OZMW-19I2	OZMW-19I2
Start Depth		5	20	20	20	20	20	20	35	35
End Depth		15	30	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/22/2013	8/27/2012	8/27/2012	12/4/2012	2/8/2013	2/8/2013	5/22/2013	8/28/2012	12/4/2012
Parent Sample Code			OZMW-19I			OZMW-19I				
BTEX (µg/L)										
Benzene	1	6	21	23	47	47	48	27	32	24
Toluene	5	2	3	3	4	4	4	4	7	4
Ethylbenzene	5	310 D	190 D	230 D	230 D	330 D	320 D	270 D	150	150
o-Xylene	5	NA	55	64	NA	NA	NA	NA	110	NA
m/p-Xylene	5	NA	28	32	NA	NA	NA	NA	220	NA
Total Xylene	5	300	NA	NA	170	120	130	140	NA	190
Total BTEX (ND=0)	NE	618	297	352	451	501	502	441	519	368
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	2 BJ	2 BJ	NA	NA	NA	NA	2 J	NA
Acrylonitrile	5	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	2 J	2 J	NA	NA	NA	NA	2 J	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	500 U	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	500 U	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	10 U	NA	NA	NA	NA	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-19S	OZMW-19I	DUP-16 Q3	OZMW-19I	OZMW-19I	DUP-06 Q1	OZMW-19I	OZMW-19I2	OZMW-19I2
Start Depth		5	20	20	20	20	20	20	35	35
End Depth		15	30	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/22/2013	8/27/2012	8/27/2012	12/4/2012	2/8/2013	2/8/2013	5/22/2013	8/28/2012	12/4/2012
Parent Sample Code			OZMW-19I			OZMW-19I				
Hexachlorobutadiene	0.5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	1 J	2 J	NA	NA	NA	1 J	NA	
2-Hexanone	50*	NA	5 U	5 U	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	26	31	NA	NA	NA	28	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	5 U	NA	NA	NA	5 U	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	10 U	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	5 U	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	2 U	2 U	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	1900 D	2200 D	NA	NA	NA	3200 D	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	500 U	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	9	11	NA	NA	NA	11	NA	
Styrene	5	NA	1 U	1 U	NA	NA	NA	46	NA	
1,1,1,2-Tetrachloroethane	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	10 U	10 U	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	10 U	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	1 U	1 U	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	1 U	1 U	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	95	110	NA	NA	NA	130	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	84	100	NA	NA	NA	95	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	10 U	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	1 U	1 U	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	1 U	1 U	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	30	69	110 DJ	140 DJ	230 DJ	210 DJ	230 JD	85 J	78
Acenaphthylene	NE	2 J	3 J	4 J	3 J	3 J	3 J	2 J	78	33
Anthracene	50*	5 J	4 J	7 J	6 J	12	11	10	5 J	5 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	2 J	2 J	3 J	3 J	3 J	1 J	1 J
Fluorene	50*	22	27	47	34	63	60	56	17	11
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	98 DJ	59	110 DJ	360 DJ	440 DJ	380 D	420 D	230 DJ	140 DJ
Naphthalene	10*	470 D	990 D	1500 D	3200 D	1800 D	1500 D	2600 D	2400 D	2000 D
Phenanthrene	50*	26	33	60	42	79	73	71	36	32
Pyrene	50*	4 J	2 J	3 J	3 J	5 J	4 J	4 J	2 J	3 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-19S	OZMW-19I	DUP-16 Q3	OZMW-19I	OZMW-19I	DUP-06 Q1	OZMW-19I	OZMW-19I2	OZMW-19I2
Start Depth		5	20	20	20	20	20	20	35	35
End Depth		15	30	30	30	30	30	30	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/22/2013	8/27/2012	8/27/2012	12/4/2012	2/8/2013	2/8/2013	5/22/2013	8/28/2012	12/4/2012
Parent Sample Code			OZMW-19I			OZMW-19I				
Total PAH (17) (ND=0)	NE	659	1188	1843	3790	2635	2244	3396	2854	2303
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	9.5 U	NA	NA	NA	NA	9.5 U	NA
Antimony	3	NA	1.1 U	1.1 U	NA	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	8.4 B	7 B	NA	NA	NA	NA	4.4 U	NA
Barium	1000	NA	12.8 B	14.4 B	NA	NA	NA	NA	26.3 B	NA
Beryllium	3*	NA	0.12 U	0.12 U	NA	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	0.18 U	0.18 U	NA	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	55700	57400	NA	NA	NA	NA	63300 E	NA
Chromium	50	NA	4.1 B	4.3 B	NA	NA	NA	NA	0.52 U	NA
Cobalt	NE	NA	0.52 U	0.52 U	NA	NA	NA	NA	0.52 U	NA
Copper	200	NA	0.7 U	0.7 U	NA	NA	NA	NA	0.7 U	NA
Iron	300	NA	1110	1230	NA	NA	NA	NA	61.3 BE	NA
Lead	25	NA	5.9	6.1	NA	NA	NA	NA	5.5	NA
Magnesium	35000*	NA	14900	15400	NA	NA	NA	NA	18400 E	NA
Manganese	300	NA	48.8	51.2	NA	NA	NA	NA	188 E	NA
Mercury	0.7	NA	0.1 U	0.1 U	NA	NA	NA	NA	0.1 UN	NA
Nickel	100	NA	1.4 B	1.7 B	NA	NA	NA	NA	1.3 B	NA
Potassium	NE	NA	3300 B	3340 B	NA	NA	NA	NA	3850 BE	NA
Selenium	10	NA	2.8 UN	2.8 UN	NA	NA	NA	NA	2.8 U	NA
Silver	50	NA	0.32 U	0.32 U	NA	NA	NA	NA	0.32 U	NA
Sodium	20000	NA	51700	54500	NA	NA	NA	NA	60400	NA
Thallium	0.5*	NA	3.2 U	3.2 U	NA	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	0.4 B	0.23 U	NA	NA	NA	NA	0.23 U	NA
Zinc	2000*	NA	59.5	7.8 B	NA	NA	NA	NA	167	NA
Other (µg/L)										
Alkalinity	NE	NA	178000 D	176000 D	NA	NA	NA	NA	183000 D	NA
Ammonia	2000	NA	240	230	NA	NA	NA	NA	110	NA
Carbon dioxide	NE	NA	18500	8800	NA	NA	NA	NA	25500	NA
Nitrogen, Nitrite	1000	NA	100 U	100 U	NA	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	100 U	100 U	NA	NA	NA	NA	100 U	NA
Total Nitrogen	NE	NA	100 U	100 U	NA	NA	NA	NA	100 U	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	100 U	NA	NA	NA	NA	100 U	NA
Sulfate	250000	18900	5000 U	5000 U	NA	NA	NA	5000 U	5000 U	NA
Sulfide	50*	NA	2000 U	2000 U	NA	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	140	140	NA	NA	NA	NA	80	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-19I2	OZMW-19I2	OZMW-19D	OZMW-19D	OZMW-19D	OZMW-19D	DUP-14 Q2	OZMW-21S	OZMW-21S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	5/22/2013	8/28/2012	12/4/2012	2/8/2013	5/22/2013	5/22/2013	8/23/2012	12/10/2012
Parent Sample Code							OZMW-19D			
BTEX (µg/L)										
Benzene	1	29	19	3	1 U	1 U	1 U	1 U	1500 D	1100 D
Toluene	5	6	5	1	1 U	1 U	1 U	1 U	110	84
Ethylbenzene	5	330 D	330 D	18	15	11	1 U	1 U	1700 D	2100 D
o-Xylene	5	NA	NA	15	NA	NA	NA	NA	1100 D	NA
m/p-Xylene	5	NA	NA	9	NA	NA	NA	NA	1700 D	NA
Total Xylene	5	320	220	NA	7	6	1 U	1 U	NA	3100 D
Total BTEX (ND=0)	NE	685	574	46	22	17	ND	ND	6110	6384
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	1 J	NA	NA	NA	NA	2 J	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-19I2	OZMW-19I2	OZMW-19D	OZMW-19D	OZMW-19D	OZMW-19D	DUP-14 Q2	OZMW-21S	OZMW-21S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/8/2013	5/22/2013	8/28/2012	12/4/2012	2/8/2013	5/22/2013	5/22/2013	8/23/2012	12/10/2012	
Parent Sample Code							OZMW-19D			
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	NA	3	NA	NA	NA	34	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	1 J	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	NA	330 D	NA	NA	NA	4000 D	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	15	NA	
Styrene	5	NA	NA	1	NA	NA	NA	1 U	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	NA	17	NA	NA	NA	320 D	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	4	NA	NA	NA	200	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	170 DJ	79	4 J	1 J	3 J	10 U	10 U	33	63
Acenaphthylene	NE	27	17	22	4 J	4 J	2 J	2 J	73	110 DJ
Anthracene	50*	11	7 J	10 U	10 U	10 U	10 U	10 U	3 J	7 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	2 J	10 U	10 U	10 U	10 U	10 U	2 J	6 J
Fluorene	50*	25	11	2 J	10 U	10 U	10 U	10 U	16	30
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	140 DJ	65	22	10 U	10 U	10 U	10 U	300 DJ	570 DJ
Naphthalene	10*	1100 D	1700 D	240 D	35	46	6 J	6 J	2500 D	3500 D
Phenanthrene	50*	70	45	4 J	1 J	2 J	10 U	10 U	13	30
Pyrene	50*	6 J	3 J	10 U	10 U	10 U	10 U	10 U	3 J	9 J

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-1912	OZMW-1912	OZMW-19D	OZMW-19D	OZMW-19D	OZMW-19D	DUP-14 Q2	OZMW-21S	OZMW-21S
Start Depth		35	35	55	55	55	55	55	5	5
End Depth		45	45	65	65	65	65	65	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	5/22/2013	8/28/2012	12/4/2012	2/8/2013	5/22/2013	5/22/2013	8/23/2012	12/10/2012
Parent Sample Code							OZMW-19D			
Total PAH (17) (ND=0)	NE	1552	1929	294	41	55	8	8	2943	4334
Total Metals (µg/L)										
Aluminum	NE	NA	NA	12.7 B	NA	NA	NA	NA	9.5 U	NA
Antimony	3	NA	NA	1.1 U	NA	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	NA	4.4 U	NA	NA	NA	NA	6.3 B	NA
Barium	1000	NA	NA	12.4 B	NA	NA	NA	NA	38.2 B	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	NA	13700 E	NA	NA	NA	NA	65500	NA
Chromium	50	NA	NA	0.52 U	NA	NA	NA	NA	6.7 B	NA
Cobalt	NE	NA	NA	1.1 B	NA	NA	NA	NA	0.52 U	NA
Copper	200	NA	NA	0.7 U	NA	NA	NA	NA	0.7 U	NA
Iron	300	NA	NA	2820 E	NA	NA	NA	NA	7600	NA
Lead	25	NA	NA	8.8	NA	NA	NA	NA	6.4	NA
Magnesium	35000*	NA	NA	4520 BE	NA	NA	NA	NA	10400	NA
Manganese	300	NA	NA	244 E	NA	NA	NA	NA	114	NA
Mercury	0.7	NA	NA	0.1 UN	NA	NA	NA	NA	0.1 U	NA
Nickel	100	NA	NA	3.6 B	NA	NA	NA	NA	1.4 B	NA
Potassium	NE	NA	NA	1810 BE	NA	NA	NA	NA	8380	NA
Selenium	10	NA	NA	5.1	NA	NA	NA	NA	2.8 UN	NA
Silver	50	NA	NA	0.32 U	NA	NA	NA	NA	0.32 U	NA
Sodium	20000	NA	NA	18000	NA	NA	NA	NA	16500	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	NA	0.23 U	NA	NA	NA	NA	1.8 B	NA
Zinc	2000*	NA	NA	9.1 B	NA	NA	NA	NA	45.9	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	7950	NA	NA	NA	NA	189000 D	NA
Ammonia	2000	NA	NA	100 U	NA	NA	NA	NA	940	NA
Carbon dioxide	NE	NA	NA	33400	NA	NA	NA	NA	107000	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	600	NA	NA	NA	NA	100 U	NA
Total Nitrogen	NE	NA	NA	600	NA	NA	NA	NA	1480	NA
Total Kjeldahl Nitrogen	NE	NA	NA	100 U	NA	NA	NA	NA	1480	NA
Sulfate	250000	NA	5000 U	29700	NA	NA	42700	42600	13800	NA
Sulfide	50*	NA	NA	2000 U	NA	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	NA	50 U	NA	NA	NA	NA	60	NA

Table 4-3
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-21S	OZMW-21S	OZMW-211	OZMW-211	OZMW-211	OZMW-211	OZMW-2112	OZMW-2112	DUP-12 Q4
Start Depth		5	5	20	20	20	20	35	35	35
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/1/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/23/2012	12/6/2012	12/6/2012
Parent Sample Code									OZMW-2112	
BTEX (µg/L)										
Benzene	1	340	1200 D	62	66	56	60	79	40	37
Toluene	5	32	71	12	10	10	11	11	5	5
Ethylbenzene	5	650	1700 D	180	160	150 J	140	130	51	47
o-Xylene	5	NA	NA	69	NA	NA	NA	62	NA	NA
m/p-Xylene	5	NA	NA	76	NA	NA	NA	98	NA	NA
Total Xylene	5	1100	2500 D	NA	130	110 J	98	NA	49	46
Total BTEX (ND=0)	NE	2122	5471	399	366	326	309	380	145	135
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	2 J	NA	NA	NA	3 J	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	2	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-21S	OZMW-21S	OZMW-211	OZMW-211	OZMW-211	OZMW-211	OZMW-2112	OZMW-2112	DUP-12 Q4
Start Depth		5	5	20	20	20	20	35	35	35
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	3/1/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/23/2012	12/6/2012	12/6/2012	
Parent Sample Code										OZMW-2112
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	28	NA	NA	NA	48	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10	NA	NA	NA	1 J	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	4200 D	NA	NA	NA	6300 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	18	NA	NA	NA	26	NA	NA
Styrene	5	NA	NA	3	NA	NA	NA	14	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	4	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	340 D	NA	NA	NA	320 D	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	150	NA	NA	NA	220	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	43	120 DJ	170 DJ	150 DJ	170 J	150 DJ	110 DJ	110 DJ	78
Acenaphthylene	NE	36	74	45	13	24	12	190 DJ	200 DJ	160 DJ
Anthracene	50*	5 J	35	12	8 J	23	8 J	9 J	9 J	8 J
Benzo(a)anthracene	0.002*	2 J	37	2 J	10 U	19	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	18	10 U	10 U	8 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	7 J	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	5 J	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	22	10 U	10 U	11	10 U	10 U	10 U	10 U
Chrysene	0.002*	1 J	36	2 J	10 U	19	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	2 J	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	67	6 J	3 J	25	3 J	2 J	2 J	2 J
Fluorene	50*	19	64	61	39	58	46	58	49	42
Indeno(1,2,3-cd)pyrene	0.002*	10 U	4 J	10 U	10 U	3 J	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	190 J	360 DJ	920 DJ	740 D	690	800 D	1000 D	1000 D	930 D
Naphthalene	10*	830	2100 D	2300 D	2300 D	2100	2800 D	3700 D	3200 D	2800 D
Phenanthrene	50*	18	100 DJ	73	42	120 J	50	56	47	42
Pyrene	50*	5 J	100 DJ	7 J	4 J	39	3 J	3 J	3 J	3 J

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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-21S	OZMW-21S	OZMW-211	OZMW-211	OZMW-211	OZMW-211	OZMW-2112	OZMW-2112	DUP-12 Q4
Start Depth		5	5	20	20	20	20	35	35	35
End Depth		15	15	30	30	30	30	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/1/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/23/2012	12/6/2012	12/6/2012
Parent Sample Code									OZMW-2112	
Total PAH (17) (ND=0)	NE	1152	3151	3598	3299	3317	3872	5128	4620	4065
Total Metals (µg/L)										
Aluminum	NE	NA	NA	9.5 U	NA	NA	NA	9.5 U	NA	NA
Antimony	3	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	NA	8.1 B	NA	NA	NA	6.3 B	NA	NA
Barium	1000	NA	NA	11.6 B	NA	NA	NA	37.9 B	NA	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	NA	54900	NA	NA	NA	37200	NA	NA
Chromium	50	NA	NA	4.8 B	NA	NA	NA	7.1 B	NA	NA
Cobalt	NE	NA	NA	0.7 B	NA	NA	NA	4.2 B	NA	NA
Copper	200	NA	NA	0.7 U	NA	NA	NA	0.7 U	NA	NA
Iron	300	NA	NA	5180	NA	NA	NA	23700	NA	NA
Lead	25	NA	NA	4	NA	NA	NA	3.1	NA	NA
Magnesium	35000*	NA	NA	12700	NA	NA	NA	8460	NA	NA
Manganese	300	NA	NA	160	NA	NA	NA	3790	NA	NA
Mercury	0.7	NA	NA	0.1 U	NA	NA	NA	0.1 U	NA	NA
Nickel	100	NA	NA	0.8 B	NA	NA	NA	0.64 U	NA	NA
Potassium	NE	NA	NA	4680 B	NA	NA	NA	3230 B	NA	NA
Selenium	10	NA	NA	2.8 UN	NA	NA	NA	2.8 UN	NA	NA
Silver	50	NA	NA	0.32 U	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	NA	NA	49500	NA	NA	NA	43800	NA	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	NA	3.4 B	NA	NA
Vanadium	NE	NA	NA	0.23 U	NA	NA	NA	0.23 U	NA	NA
Zinc	2000*	NA	NA	27.4	NA	NA	NA	32.3	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	187000 D	NA	NA	NA	116000 D	NA	NA
Ammonia	2000	NA	NA	520	NA	NA	NA	100 U	NA	NA
Carbon dioxide	NE	NA	NA	30800	NA	NA	NA	35200	NA	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	NA	NA	950	NA	NA	NA	100 U	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	950	NA	NA	NA	100 U	NA	NA
Sulfate	250000	NA	5200	5000 U	NA	NA	5000 U	5000 U	NA	NA
Sulfide	50*	NA	NA	2000 U	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	NA	50 U	NA	NA	NA	50 U	NA	NA

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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-2112	OZMW-2112	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-22SR	OZMW-22SR	OZMW-22SR
Start Depth		35	35	55	55	55	55	5	5	5
End Depth		45	45	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/28/2012	12/10/2012	2/1/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	24	24	1 U	1 U	1 U	1 U	4	1 U	1
Toluene	5	4	4	1 U	1 U	1 U	1 U	11	1 U	1
Ethylbenzene	5	25	12	1 U	1 U	1 UJ	1 U	260 D	25	180
o-Xylene	5	NA	NA	1 U	NA	NA	NA	120	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	22	NA	NA
Total Xylene	5	29	17	NA	1 U	1 UJ	1	NA	17	43
Total BTEX (ND=0)	NE	82	57	ND	ND	ND	1	417	42	225
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-2112	OZMW-2112	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-22SR	OZMW-22SR	OZMW-22SR
Start Depth		35	35	55	55	55	55	5	5	5
End Depth		45	45	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/27/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/28/2012	12/10/2012	2/1/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	19	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	20	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	91	NA	NA	NA	190 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	7	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	3	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	5	NA	NA	NA	67	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	4	NA	NA	NA	7	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	77	140 JD	8 J	3 J	3 J	4 J	4 J	10 U	2 J
Acenaphthylene	NE	150 J	210 JD	19	10	10	16	2 J	10 U	10 U
Anthracene	50*	7 J	8 J	11	6 J	4 J	8 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	4 J	2 J	3 J	4 J	10 U	10 U	10 U
Fluorene	50*	42	46	28	12	10	16	3 J	10 U	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	830 J	1200 D	12	4 J	1 J	17	1 J	10 U	10 U
Naphthalene	10*	2600	4300 D	39	21	9 J	34	110 D	10 U	10 U
Phenanthrene	50*	37	46	58	28	12	43	2 J	10 U	10 U
Pyrene	50*	2 J	3 J	4 J	3 J	4 J	5 J	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-2112	OZMW-2112	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-21D	OZMW-22SR	OZMW-22SR	OZMW-22SR
Start Depth		35	35	55	55	55	55	5	5	5
End Depth		45	45	65	65	65	65	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/22/2013	8/23/2012	12/6/2012	3/4/2013	5/22/2013	8/28/2012	12/10/2012	2/1/2013
Parent Sample Code										
Total PAH (17) (ND=0)	NE	3747	5955	183	89	56	147	122	ND	3
Total Metals (µg/L)										
Aluminum	NE	NA	NA	9.5 U	NA	NA	NA	9.5 U	NA	NA
Antimony	3	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	NA	11.2	NA	NA	NA	4.4 U	NA	NA
Barium	1000	NA	NA	57.8 B	NA	NA	NA	62.3 B	NA	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	NA	12300	NA	NA	NA	58400 E	NA	NA
Chromium	50	NA	NA	9.8 B	NA	NA	NA	0.52 U	NA	NA
Cobalt	NE	NA	NA	1.8 B	NA	NA	NA	0.52 U	NA	NA
Copper	200	NA	NA	0.7 U	NA	NA	NA	0.7 U	NA	NA
Iron	300	NA	NA	42300	NA	NA	NA	4660 E	NA	NA
Lead	25	NA	NA	15.1	NA	NA	NA	7.6	NA	NA
Magnesium	35000*	NA	NA	3680 B	NA	NA	NA	9560 E	NA	NA
Manganese	300	NA	NA	818	NA	NA	NA	338 E	NA	NA
Mercury	0.7	NA	NA	0.1 U	NA	NA	NA	0.1 UN	NA	NA
Nickel	100	NA	NA	2.5 B	NA	NA	NA	0.7 B	NA	NA
Potassium	NE	NA	NA	24900	NA	NA	NA	4160 BE	NA	NA
Selenium	10	NA	NA	2.8 UN	NA	NA	NA	4.5 B	NA	NA
Silver	50	NA	NA	0.32 U	NA	NA	NA	0.39 B	NA	NA
Sodium	20000	NA	NA	102000	NA	NA	NA	47500	NA	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	NA	NA	2.4 B	NA	NA	NA	0.5 B	NA	NA
Zinc	2000*	NA	NA	9.9 B	NA	NA	NA	7.3 B	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	17500 D	NA	NA	NA	144000 D	NA	NA
Ammonia	2000	NA	NA	480	NA	NA	NA	320	NA	NA
Carbon dioxide	NE	NA	NA	37000	NA	NA	NA	91500	NA	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	NA	NA	720	NA	NA	NA	230	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	720	NA	NA	NA	230	NA	NA
Sulfate	250000	NA	5000 U	41800	NA	NA	46300	39300	NA	NA
Sulfide	50*	NA	NA	2000 U	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	NA	270	NA	NA	NA	70	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-22SR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23S
Start Depth		5	20	20	20	20	5	5	5	5
End Depth		15	30	30	30	30	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	8/28/2012	12/10/2012	2/1/2013	5/9/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	140	17	49	27	19	1 U	1 U	1 U	1 U
o-Xylene	5	NA	8	NA	NA	NA	1 U	1 U	1 U	NA
m/p-Xylene	5	NA	3	NA	NA	NA	1 U	1 U	1 U	NA
Total Xylene	5	25	NA	23	7	4	NA	NA	NA	1 U
Total BTEX (ND=0)	NE	167	28	72	34	23	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Acetone	50*	NA	5 U	NA	NA	NA	1 J	2 J	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	500 U	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-22SR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23S
Start Depth		5	20	20	20	20	5	5	5	5
End Depth		15	30	30	30	30	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/9/2013	8/28/2012	12/10/2012	2/1/2013	5/9/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Isopropyl benzene	5	NA	5	NA	NA	NA	1 U	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	2 U	2 U	NA
Naphthalene	10*	NA	25	NA	NA	NA	1 U	1 U	2	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Propylbenzene	5	NA	2	NA	NA	NA	1 U	1 U	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	NA	25	NA	NA	NA	1 U	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	5	NA	NA	NA	1 U	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	4 J	10 U	1 J	10 U	1 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	1 J	5 J	2 J	2 J	10 U	10 U	10 U	10 U
Naphthalene	10*	4 J	15	33	9 J	5 J	10 U	10 U	1 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-22SR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23S
Start Depth		5	20	20	20	20	5	5	5	5
End Depth		15	30	30	30	30	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	8/28/2012	12/10/2012	2/1/2013	5/9/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	11	16	39	11	8	ND	ND	1	ND
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	NA	NA	NA	2640	NA	NA
Antimony	3	NA	1.1 U	NA	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	NA	4.4 U	NA	NA	NA	NA	7.4 B	NA	NA
Barium	1000	NA	23 B	NA	NA	NA	NA	18.5 B	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	0.18 U	NA	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	NA	25700 E	NA	NA	NA	NA	38100	NA	NA
Chromium	50	NA	0.52 U	NA	NA	NA	NA	15.8	NA	NA
Cobalt	NE	NA	1.2 B	NA	NA	NA	NA	1.2 B	NA	NA
Copper	200	NA	0.7 U	NA	NA	NA	NA	9.7 B	NA	NA
Iron	300	NA	5020 E	NA	NA	NA	NA	2110	NA	NA
Lead	25	NA	4.8	NA	NA	NA	NA	7.8	NA	NA
Magnesium	35000*	NA	4880 BE	NA	NA	NA	NA	3910 B	NA	NA
Manganese	300	NA	1480 E	NA	NA	NA	NA	16.2	NA	NA
Mercury	0.7	NA	0.1 UN	NA	NA	NA	NA	0.1 U	NA	NA
Nickel	100	NA	1.5 B	NA	NA	NA	NA	3 B	NA	NA
Potassium	NE	NA	3250 BE	NA	NA	NA	NA	11400	NA	NA
Selenium	10	NA	3.6 B	NA	NA	NA	NA	2.8 UN	NA	NA
Silver	50	NA	0.87 B	NA	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	NA	41900	NA	NA	NA	NA	6040	NA	NA
Thallium	0.5*	NA	3.2 U	NA	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	NA	0.23 U	NA	NA	NA	NA	14.8 B	NA	NA
Zinc	2000*	NA	14.6 B	NA	NA	NA	NA	226	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	36600 D	NA	NA	NA	NA	104000 D	NA	NA
Ammonia	2000	NA	190	NA	NA	NA	NA	100 U	NA	NA
Carbon dioxide	NE	NA	26400	NA	NA	NA	NA	13200	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	710	NA	NA	NA	NA	2440 D	NA	NA
Total Nitrogen	NE	NA	710	NA	NA	NA	NA	2670	NA	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	NA	NA	NA	230	NA	NA
Sulfate	250000	12300	23800	NA	NA	24600	NA	18000	NA	NA
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	100	NA	NA	NA	NA	240	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2
Start Depth		5	5	20	20	20	20	20	20	35
End Depth		15	15	30	30	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/28/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/28/2013	7/30/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Total Xylene	5	10	1 U	NA	NA	NA	1 U	6	1 U	NA
Total BTEX (ND=0)	NE	13	ND	ND	ND	ND	ND	6	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	1 J	5 U	5 U	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2
Start Depth		5	5	20	20	20	20	20	20	35
End Depth		15	15	30	30	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/28/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/28/2013	7/30/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	2 U	2 U	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	1 U	1 U	2	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Styrene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	15	10 U	10 U	10 U	1 J	10 U	6 J	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2
Start Depth		5	5	20	20	20	20	20	20	35
End Depth		15	15	30	30	30	30	30	30	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	2/27/2013	5/28/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/28/2013	7/30/2012	
Parent Sample Code										
Total PAH (17) (ND=0)	NE	17	ND	ND	ND	1	ND	6	ND	ND
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	9.5 U	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	1.1 U	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	4.4 U	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	7.5 B	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	55200	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	87	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	0.52 U	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	0.7 B	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	29.5 U	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	4.1	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	14900	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	1.3 B	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	1.1 B	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	4140 B	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	2.8 UN	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	0.32 U	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	44200	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	5.3 B	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	17.9 B	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	178000 D	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	11400	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	380	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	380	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Sulfate	250000	NA	12900	NA	5000 U	NA	NA	NA	5000 U	NA
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	90	NA	NA	NA	NA	NA

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 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23D	OZMW-23D	OZMW-23D	OZMW-23D
Start Depth		35	35	35	35	35	55	55	55	55
End Depth		45	45	45	45	45	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/29/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
m/p-Xylene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Total Xylene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Acetone	50*	1 J	5 U	NA	NA	NA	1 J	1 J	5 U	NA
Acrylonitrile	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Bromochloromethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromodichloromethane	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromoform	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromomethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Butadiene	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Carbon disulfide	60*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Carbon tetrachloride	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorobenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroform	7	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloromethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorotoluene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Cyclohexane	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dibromochloromethane	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethene	0.07	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloropropane	1	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dioxane	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
Ethanol	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Heptane (C7)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23I2	OZMW-23D	OZMW-23D	OZMW-23D	OZMW-23D
Start Depth		35	35	35	35	35	55	55	55	55
End Depth		45	45	45	45	45	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/29/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
n-Hexane (C6)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
2-Hexanone	50*	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Iodomethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Isopropyl benzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methylene chloride	5	2 U	2 U	NA	NA	NA	2 U	2 U	2 U	NA
Naphthalene	10*	1 U	2	NA	NA	NA	1 U	1 U	2	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Propylbenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Styrene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Tetrachloroethene (PCE)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Tetrahydrofuran	50*	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichloroethene (TCE)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Vinyl acetate	NE	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Vinyl chloride	2	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-2312	OZMW-2312	OZMW-2312	OZMW-2312	OZMW-2312	OZMW-23D	OZMW-23D	OZMW-23D	OZMW-23D
Start Depth		35	35	35	35	35	55	55	55	55
End Depth		45	45	45	45	45	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/24/2012	9/27/2012	12/4/2012	2/27/2013	5/29/2013	7/30/2012	8/24/2012	9/27/2012	12/4/2012	
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	1	ND
Total Metals (µg/L)										
Aluminum	NE	65.8 B	NA	NA	NA	NA	NA	285	NA	NA
Antimony	3	1.1 U	NA	NA	NA	NA	NA	3.8 B	NA	NA
Arsenic	25	4.4 U	NA	NA	NA	NA	NA	5.7 B	NA	NA
Barium	1000	11.4 B	NA	NA	NA	NA	NA	57.2 B	NA	NA
Beryllium	3*	0.3 B	NA	NA	NA	NA	NA	0.7 B	NA	NA
Cadmium	5	0.18 U	NA	NA	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	8040	NA	NA	NA	NA	NA	13900	NA	NA
Chromium	50	3.7 B	NA	NA	NA	NA	NA	7.3 B	NA	NA
Cobalt	NE	1.6 B	NA	NA	NA	NA	NA	5.9 B	NA	NA
Copper	200	0.7 U	NA	NA	NA	NA	NA	0.7 U	NA	NA
Iron	300	4510	NA	NA	NA	NA	NA	22800	NA	NA
Lead	25	7.9	NA	NA	NA	NA	NA	18.8	NA	NA
Magnesium	35000*	2630 B	NA	NA	NA	NA	NA	4570 B	NA	NA
Manganese	300	132	NA	NA	NA	NA	NA	378	NA	NA
Mercury	0.7	0.1 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Nickel	100	3.9 B	NA	NA	NA	NA	NA	13 B	NA	NA
Potassium	NE	1180 B	NA	NA	NA	NA	NA	1520 B	NA	NA
Selenium	10	2.8 UN	NA	NA	NA	NA	NA	2.8 UN	NA	NA
Silver	50	0.32 U	NA	NA	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	12400	NA	NA	NA	NA	NA	36600	NA	NA
Thallium	0.5*	3.2 U	NA	NA	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	0.23 U	NA	NA	NA	NA	NA	2.7 B	NA	NA
Zinc	2000*	55.9	NA	NA	NA	NA	NA	56.9	NA	NA
Other (µg/L)										
Alkalinity	NE	1000 U	NA	NA	NA	NA	NA	1000 U	NA	NA
Ammonia	2000	100	NA	NA	NA	NA	NA	580	NA	NA
Carbon dioxide	NE	10600	NA	NA	NA	NA	NA	45800	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	100 U	NA	NA	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	100 U	NA	NA	NA	NA	NA	680	NA	NA
Total Kjeldahl Nitrogen	NE	100 U	NA	NA	NA	NA	NA	680	NA	NA
Sulfate	250000	33500	NA	NA	NA	36500	NA	177000 D	NA	NA
Sulfide	50*	2000 U	NA	NA	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	50 U	NA	NA	NA	NA	NA	50 U	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24I
Start Depth		55	55	5	5	5	5	5	5	20
End Depth		65	65	15	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/29/2013	7/31/2012	8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	16
Ethylbenzene	5	1 U	1 U	3	1 U	1	1 U	2	1 U	8
o-Xylene	5	NA	NA	9	1 U	2	NA	NA	NA	25
m/p-Xylene	5	NA	NA	21	1 U	1	NA	NA	NA	58
Total Xylene	5	1 U	1 U	NA	NA	NA	1 U	2	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	38	ND	4	ND	4	ND	107
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	3 BJ	3 BJ	1 J	NA	NA	NA	4 BJ
Acrylonitrile	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	
Sample Name		OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	
Start Depth		55	55	5	5	5	5	5	5	5	20
End Depth		65	65	15	15	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/29/2013	7/31/2012	8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
n-Hexane (C6)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U	
2-Hexanone	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U	
Iodomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Isopropyl benzene	5	NA	NA	1	1 U	1 U	NA	NA	NA	4	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	5 U	5 U	NA	NA	NA	5 U	
Methylene chloride	5	NA	NA	2	2 U	2 U	NA	NA	NA	2 U	
Naphthalene	10*	NA	NA	380 D	2	42	NA	NA	NA	890 D	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	500 U	
n-Propylbenzene	5	NA	NA	1	1 U	1 U	NA	NA	NA	3	
Styrene	5	NA	NA	10	1 U	1 U	NA	NA	NA	30	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Tetrachloroethene (PCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Tetrahydrofuran	50*	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
1,1,1-Trichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
1,1,2-Trichloroethane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Trichloroethene (TCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
1,2,4-Trimethylbenzene	5	NA	NA	21	2	17	NA	NA	NA	50	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	9	4	19	NA	NA	NA	21	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	10 U	
Vinyl acetate	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
Vinyl chloride	2	NA	NA	1 U	1 U	1 U	NA	NA	NA	1 U	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	2 J	3 J	6 J	4 J	4 J	2 J	3 J	
Acenaphthylene	NE	10 U	10 U	10	10 U	10 U	10 U	2 J	10 U	25	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	2 J	10 U	10 U	10 U	2 J	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	2 J	1 J	2 J	2 J	2 J	10 U	3 J	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	24	10 U	10 U	10 U	5 J	10 U	63	
Naphthalene	10*	10 U	1 J	230 D	10 U	3 J	1 J	19	10 U	590 D	
Phenanthrene	50*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	2 J	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	

Table 4-3
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	
Sample Name		OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24S	
Start Depth		55	55	5	5	5	5	5	5	5	20
End Depth		65	65	15	15	15	15	15	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/27/2013	5/29/2013	7/31/2012	8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012	
Parent Sample Code											
Total PAH (17) (ND=0)	NE	ND	1	271	4	11	7	32	2	686	
Total Metals (µg/L)											
Aluminum	NE	NA	NA	NA	145 B	NA	NA	NA	NA	NA	
Antimony	3	NA	NA	NA	1.1 U	NA	NA	NA	NA	NA	
Arsenic	25	NA	NA	NA	5.4 B	NA	NA	NA	NA	NA	
Barium	1000	NA	NA	NA	23.3 B	NA	NA	NA	NA	NA	
Beryllium	3*	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA	
Cadmium	5	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA	
Calcium	NE	NA	NA	NA	65300	NA	NA	NA	NA	NA	
Chromium	50	NA	NA	NA	5.4 B	NA	NA	NA	NA	NA	
Cobalt	NE	NA	NA	NA	0.52 U	NA	NA	NA	NA	NA	
Copper	200	NA	NA	NA	3 B	NA	NA	NA	NA	NA	
Iron	300	NA	NA	NA	639	NA	NA	NA	NA	NA	
Lead	25	NA	NA	NA	9.1	NA	NA	NA	NA	NA	
Magnesium	35000*	NA	NA	NA	7910	NA	NA	NA	NA	NA	
Manganese	300	NA	NA	NA	14.7 B	NA	NA	NA	NA	NA	
Mercury	0.7	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	
Nickel	100	NA	NA	NA	1.4 B	NA	NA	NA	NA	NA	
Potassium	NE	NA	NA	NA	8360	NA	NA	NA	NA	NA	
Selenium	10	NA	NA	NA	2.8 UN	NA	NA	NA	NA	NA	
Silver	50	NA	NA	NA	0.32 U	NA	NA	NA	NA	NA	
Sodium	20000	NA	NA	NA	6500	NA	NA	NA	NA	NA	
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	NA	NA	
Vanadium	NE	NA	NA	NA	10.2 B	NA	NA	NA	NA	NA	
Zinc	2000*	NA	NA	NA	11.4 B	NA	NA	NA	NA	NA	
Other (µg/L)											
Alkalinity	NE	NA	NA	NA	182000 D	NA	NA	NA	NA	NA	
Ammonia	2000	NA	NA	NA	120	NA	NA	NA	NA	NA	
Carbon dioxide	NE	NA	NA	NA	26400	NA	NA	NA	NA	NA	
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	NA	NA	
Nitrogen, Nitrate	10000	NA	NA	NA	740	NA	NA	NA	NA	NA	
Total Nitrogen	NE	NA	NA	NA	740	NA	NA	NA	NA	NA	
Total Kjeldahl Nitrogen	NE	NA	NA	NA	100 U	NA	NA	NA	NA	NA	
Sulfate	250000	NA	103000 D	NA	13300	NA	NA	NA	16200	NA	
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	NA	NA	
Total Phosphorous	NE	NA	NA	NA	310	NA	NA	NA	NA	NA	

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-2412	OZMW-2412	OZMW-2412	OZMW-2412
Start Depth		20	20	20	20	20	35	35	35	35
End Depth		30	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	27	31	12	7
Ethylbenzene	5	1 U	1 U	1 U	3	1 U	19	17	14	10
o-Xylene	5	1 U	1 U	NA	NA	NA	66	53	45	NA
m/p-Xylene	5	1 U	1 U	NA	NA	NA	150	110	110	NA
Total Xylene	5	NA	NA	1 U	3	1 U	NA	NA	NA	120
Total BTEX (ND=0)	NE	ND	ND	ND	6	ND	262	211	181	137
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Acetone	50*	2 BJ	1 J	NA	NA	NA	3 BJ	5 B	2 J	NA
Acrylonitrile	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Bromochloromethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromodichloromethane	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromoform	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Bromomethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Butadiene	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Carbon disulfide	60*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Carbon tetrachloride	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorobenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chloroform	7	1 U	1 U	NA	NA	NA	30	19	16	NA
Chloromethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Chlorotoluene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Cyclohexane	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dibromochloromethane	50*	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1-Dichloroethene	0.07	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2-Dichloropropane	1	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,4-Dioxane	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
Ethanol	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Heptane (C7)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-2412	OZMW-2412	OZMW-2412	OZMW-2412
Start Depth		20	20	20	20	20	35	35	35	35
End Depth		30	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
n-Hexane (C6)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
2-Hexanone	50*	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Iodomethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Isopropyl benzene	5	1 U	1 U	NA	NA	NA	25	16	44	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	10 U	NA	NA	NA	17	28	28	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	NA
Methylene chloride	5	2 U	2 U	NA	NA	NA	2 U	2 U	2 U	NA
Naphthalene	10*	2	1 U	NA	NA	NA	4200 D	3200 D	5700 D	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	500 U	NA	NA	NA	500 U	500 U	500 U	NA
n-Propylbenzene	5	1 U	1 U	NA	NA	NA	14	11	27	NA
Styrene	5	1 U	1 U	NA	NA	NA	63	62	44	NA
1,1,1,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Tetrachloroethene (PCE)	5	1 U	1 U	NA	NA	NA	1	1 U	3	NA
Tetrahydrofuran	50*	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichloroethene (TCE)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	1 U	NA	NA	NA	220 D	170	280 D	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	1 U	NA	NA	NA	100	77	190	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	10 U	NA	NA	NA	10 U	10 U	10 U	NA
Vinyl acetate	NE	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
Vinyl chloride	2	1 U	1 U	NA	NA	NA	1 U	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	2 J	10 U	30	29	32	35
Acenaphthylene	NE	10 U	10 U	10 U	2 J	10 U	160 DJ	130 DJ	110 DJ	180 DJ
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	4 J	5 J	5 J	6 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	1 J	1 J	1 J	2 J
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	25	26	24	32
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	9 J	10 U	370 DJ	360 DJ	360 DJ	440 DJ
Naphthalene	10*	10 U	10 U	10 U	34	10 U	2900 D	2400 D	2100 D	3500 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	24	25	23	31
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	1 J	1 J	1 J	2 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-241	OZMW-2412	OZMW-2412	OZMW-2412	OZMW-2412
Start Depth		20	20	20	20	20	35	35	35	35
End Depth		30	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/27/2012	9/28/2012	12/4/2012	3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012	
Parent Sample Code										
Total PAH (17) (ND=0)	NE	ND	ND	ND	47	ND	3515	2977	2656	4228
Total Metals (µg/L)										
Aluminum	NE	9.5 U	NA	NA	NA	NA	NA	9.5 U	NA	NA
Antimony	3	1.1 U	NA	NA	NA	NA	NA	1.1 U	NA	NA
Arsenic	25	4.4 U	NA	NA	NA	NA	NA	4.4 U	NA	NA
Barium	1000	15.4 B	NA	NA	NA	NA	NA	78.2 B	NA	NA
Beryllium	3*	0.12 U	NA	NA	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	0.18 U	NA	NA	NA	NA	NA	0.18 U	NA	NA
Calcium	NE	52200	NA	NA	NA	NA	NA	15000	NA	NA
Chromium	50	8.7 B	NA	NA	NA	NA	NA	8.6 B	NA	NA
Cobalt	NE	0.52 U	NA	NA	NA	NA	NA	12.2 B	NA	NA
Copper	200	0.7 U	NA	NA	NA	NA	NA	0.7 U	NA	NA
Iron	300	137	NA	NA	NA	NA	NA	35500	NA	NA
Lead	25	4.8	NA	NA	NA	NA	NA	5.1	NA	NA
Magnesium	35000*	11400	NA	NA	NA	NA	NA	2080 B	NA	NA
Manganese	300	3.1 B	NA	NA	NA	NA	NA	2720	NA	NA
Mercury	0.7	0.1 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Nickel	100	1.5 B	NA	NA	NA	NA	NA	4.6 B	NA	NA
Potassium	NE	4200 B	NA	NA	NA	NA	NA	12400	NA	NA
Selenium	10	2.8 UN	NA	NA	NA	NA	NA	2.8 UN	NA	NA
Silver	50	0.32 U	NA	NA	NA	NA	NA	0.32 U	NA	NA
Sodium	20000	44400	NA	NA	NA	NA	NA	46700	NA	NA
Thallium	0.5*	3.2 U	NA	NA	NA	NA	NA	3.2 U	NA	NA
Vanadium	NE	1.9 B	NA	NA	NA	NA	NA	1.7 B	NA	NA
Zinc	2000*	35.6	NA	NA	NA	NA	NA	39.5	NA	NA
Other (µg/L)										
Alkalinity	NE	163000 D	NA	NA	NA	NA	NA	14900	NA	NA
Ammonia	2000	100 U	NA	NA	NA	NA	NA	390	NA	NA
Carbon dioxide	NE	28200	NA	NA	NA	NA	NA	26400	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	510	NA	NA	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	510	NA	NA	NA	NA	NA	370	NA	NA
Total Kjeldahl Nitrogen	NE	500 U	NA	NA	NA	NA	NA	370	NA	NA
Sulfate	250000	5000 U	NA	NA	NA	5000 U	NA	5500	NA	NA
Sulfide	50*	2000 U	NA	NA	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	50 U	NA	NA	NA	NA	NA	50 U	NA	NA

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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	DUP-16 Q2
Start Depth		35	35	55	55	55	55	55	55	55
End Depth		45	45	65	65	65	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012	3/25/2013	5/28/2013	5/28/2013
Parent Sample Code									OZMW-24D	
BTEX (µg/L)										
Benzene	1	1 U	1 U	3	3	3	2	3	3	3
Toluene	5	5	10	230 D	200	210 D	160	180	200 D	190
Ethylbenzene	5	14	14	86	72	100	67	83	77	76
o-Xylene	5	NA	NA	240 D	180 D	220 D	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	480 D	340 D	490 D	NA	NA	NA	NA
Total Xylene	5	230	170	NA	NA	NA	580	680	650 D	580 D
Total BTEX (ND=0)	NE	249	194	1039	795	1023	809	946	930	849
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	3 B J	3 B J	3 J	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	3	2	3	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA

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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	DUP-16 Q2
Start Depth		35	35	55	55	55	55	55	55	55
End Depth		45	45	65	65	65	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012	3/25/2013	5/28/2013	5/28/2013	
Parent Sample Code									OZMW-24D	
Hexachlorobutadiene	0.5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	3	2	4	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	5 U	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	5 U	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	1 J	2 U	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	3400 D	3500 D	4700 D	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	500 U	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	11	10	18	NA	NA	NA	NA
Styrene	5	NA	NA	280 D	220 D	280 D	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	180	180	220 D	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	65	64	110	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	10 U	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	1 U	1 U	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	43	49	7 J	8 J	10	6 J	11	11	10
Acenaphthylene	NE	210 J	230 DJ	140 DJ	110 DJ	150 DJ	88 DJ	170 J	160 DJ	160 DJ
Anthracene	50*	8 J	8 J	2 J	3 J	4 J	2 J	4 J	4 J	4 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	42	45	19	23	28	16	31	29	28
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	560 J	620 DJ	340 DJ	320 DJ	430 DJ	250 DJ	470 J	410 DJ	410 DJ
Naphthalene	10*	3600	4000 D	2600 D	2100 D	2200 D	1700 D	2600	2500 D	2500 D
Phenanthrene	50*	35	43	14	19	24	13	23	23	24
Pyrene	50*	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-2412	OZMW-2412	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	DUP-16 Q2
Start Depth		35	35	55	55	55	55	55	55	55
End Depth		45	45	65	65	65	65	65	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/25/2013	5/28/2013	7/31/2012	8/27/2012	9/27/2012	12/4/2012	3/25/2013	5/28/2013	5/28/2013
Parent Sample Code									OZMW-24D	
Total PAH (17) (ND=0)	NE	4502	4999	3122	2583	2846	2075	3309	3137	3136
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	3760	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	1.1 U	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	26.3	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	9.7 B	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	5.2	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	29900	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	22.1	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	28.4 B	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	0.7 U	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	73000	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	22.5	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	14700	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	1070	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	66.9	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	1770 B	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	2.8 UN	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	0.32 U	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	144000	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	27.9 B	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	273	NA	NA	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	NA	NA	1000 U	NA	NA	NA	NA	NA
Ammonia	2000	NA	NA	NA	1580	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	157000	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	2410	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	2410	NA	NA	NA	NA	NA
Sulfate	250000	NA	12100	NA	569000 D	NA	NA	NA	598000 D	566000 D
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	50 U	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25S	DUP-17 Q2	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I
Start Depth		5	5	5	5	5	20	20	20	20
End Depth		15	15	15	15	15	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	12/5/2012	3/4/2013	5/29/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013
Parent Sample Code					OZMW-25S					
BTEX (µg/L)										
Benzene	1	38	99	1 U	30	30	44	43	51	50
Toluene	5	10	5.9	1 U	13	12	7	5.7	8	7
Ethylbenzene	5	1300 D	360 D	1 UJ	880 D	870 D	110	130	260	200 D
o-Xylene	5	630 D	NA	NA	NA	NA	56	NA	NA	NA
m/p-Xylene	5	300	NA	NA	NA	NA	48	NA	NA	NA
Total Xylene	5	NA	300	1 UJ	970 D	980 D	NA	120	210	170
Total BTEX (ND=0)	NE	2278	764.9	ND	1893	1892	265	298.7	529	427
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	1 BJ	NA	NA	NA	NA	3 J	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	1 J	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25S	DUP-17 Q2	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I
Start Depth		5	5	5	5	5	20	20	20	20
End Depth		15	15	15	15	15	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	12/5/2012	3/4/2013	5/29/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013
Parent Sample Code						OZMW-25S				
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	100	NA	NA	NA	NA	8	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	15	NA	NA	NA	NA	3 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	6000 D	NA	NA	NA	NA	2300 D	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	45	NA	NA	NA	NA	2	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	NA	4	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	720 D	NA	NA	NA	NA	83	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	430 D	NA	NA	NA	NA	36	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	73	54	2 J	65	70	150 DJ	110 DJ	140 J	120 DJ
Acenaphthylene	NE	78	150 DJ	13	47	44	130 DJ	67	84 J	110 DJ
Anthracene	50*	8 J	5 J	2 J	5 J	4 J	16	7 J	9 J	8 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	10 U	1 J	1 J	8 J	2 J	3 J	3 J
Fluorene	50*	52	46	7 J	38	40	79	42	56	51
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	440 D	760 DJ	22	340 DJ	360 DJ	930 DJ	620 D	800 J	720 DJ
Naphthalene	10*	2600 D	3700 D	11	1900 D	2000 D	2800 D	3100 D	2600	2700 D
Phenanthrene	50*	50	35	11	34	34	96 J	45	53	52
Pyrene	50*	3 J	2 J	1 J	2 J	2 J	9 J	3 J	3 J	3 J

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25S	DUP-17 Q2	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I
Start Depth		5	5	5	5	5	20	20	20	20
End Depth		15	15	15	15	15	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	12/5/2012	3/4/2013	5/29/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013
Parent Sample Code					OZMW-25S					
Total PAH (17) (ND=0)	NE	3306	4753	69	2432	2555	4223	3996	3748	3767
Total Metals (µg/L)										
Aluminum	NE	10.2 B	NA	NA	NA	NA	73.8 B	NA	NA	NA
Antimony	3	1.1 U	NA	NA	NA	NA	1.1 U	NA	NA	NA
Arsenic	25	4.4 U	NA	NA	NA	NA	4.4 U	NA	NA	NA
Barium	1000	13.5 B	NA	NA	NA	NA	23.7 B	NA	NA	NA
Beryllium	3*	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA	NA
Cadmium	5	0.18 U	NA	NA	NA	NA	0.3 B	NA	NA	NA
Calcium	NE	59800	NA	NA	NA	NA	61600 E	NA	NA	NA
Chromium	50	2.4 B	NA	NA	NA	NA	0.52 U	NA	NA	NA
Cobalt	NE	0.52 U	NA	NA	NA	NA	1.6 B	NA	NA	NA
Copper	200	2.1 B	NA	NA	NA	NA	0.7 U	NA	NA	NA
Iron	300	398	NA	NA	NA	NA	3680 E	NA	NA	NA
Lead	25	3.4	NA	NA	NA	NA	7.7	NA	NA	NA
Magnesium	35000*	13600	NA	NA	NA	NA	16300 E	NA	NA	NA
Manganese	300	53.6	NA	NA	NA	NA	232 E	NA	NA	NA
Mercury	0.7	0.1 U	NA	NA	NA	NA	0.1 UN	NA	NA	NA
Nickel	100	2.6 B	NA	NA	NA	NA	1.4 B	NA	NA	NA
Potassium	NE	3700 B	NA	NA	NA	NA	3680 BE	NA	NA	NA
Selenium	10	2.8 U	NA	NA	NA	NA	4.6 B	NA	NA	NA
Silver	50	0.32 U	NA	NA	NA	NA	0.33 B	NA	NA	NA
Sodium	20000	26500	NA	NA	NA	NA	54200	NA	NA	NA
Thallium	0.5*	3.2 U	NA	NA	NA	NA	3.2 U	NA	NA	NA
Vanadium	NE	0.8 B	NA	NA	NA	NA	0.3 B	NA	NA	NA
Zinc	2000*	33.4	NA	NA	NA	NA	10.1 B	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	196000 D	NA	NA	NA	NA	191000 D	NA	NA	NA
Ammonia	2000	460	NA	NA	NA	NA	420	NA	NA	NA
Carbon dioxide	NE	37800	NA	NA	NA	NA	17600	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	NA	100 U	NA	NA	NA
Nitrogen, Nitrate	10000	100 U	NA	NA	NA	NA	100 U	NA	NA	NA
Total Nitrogen	NE	690	NA	NA	NA	NA	480	NA	NA	NA
Total Kjeldahl Nitrogen	NE	690	NA	NA	NA	NA	480	NA	NA	NA
Sulfate	250000	5000 U	NA	NA	5000 U	5000 U	5000 U	NA	NA	5000 U
Sulfide	50*	2000 U	NA	NA	NA	NA	2000 U	NA	NA	NA
Total Phosphorous	NE	210	NA	NA	NA	NA	50 U	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S
Start Depth		35	35	35	35	55	55	55	55	5
End Depth		45	45	45	45	65	65	65	65	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/23/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	8	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
Toluene	5	1	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	38	11	13	49	6	1 U	6	1 U	2
o-Xylene	5	25	NA	NA	NA	1	NA	NA	NA	5
m/p-Xylene	5	18	NA	NA	NA	1	NA	NA	NA	2
Total Xylene	5	NA	13	13	38	NA	1 U	5	1 U	NA
Total BTEX (ND=0)	NE	90	24	26	91	8	ND	11	ND	9
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	1 BJ	NA	NA	NA	2 BJ	NA	NA	NA	3 J
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S
Start Depth		35	35	35	35	55	55	55	55	5
End Depth		45	45	45	45	65	65	65	65	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/23/2012	
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	3	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	280 D	NA	NA	NA	56	NA	NA	NA	25
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	22	NA	NA	NA	3	NA	NA	NA	2
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	8	NA	NA	NA	2	NA	NA	NA	2
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	18	15	19	26	1 J	1 J	4 J	2 J	10 U
Acenaphthylene	NE	46	37	58	41	6 J	11	12	11	10 U
Anthracene	50*	9 J	9 J	11	8 J	10 U	2 J	2 J	1 J	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	3 J	4 J	3 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	35	29	45	34	2 J	6 J	6 J	4 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	41	30	31	51	10	22	32	21	10 U
Naphthalene	10*	190 D	140 D	90	270 D	19	16	69	16	10 U
Phenanthrene	50*	56	56	65	55	3 J	9 J	8 J	5 J	10 U
Pyrene	50*	4 J	5 J	5 J	4 J	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S
Start Depth		35	35	35	35	55	55	55	55	5
End Depth		45	45	45	45	65	65	65	65	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/27/2012	12/5/2012	3/25/2013	5/29/2013	8/23/2012
Parent Sample Code										
Total PAH (17) (ND=0)	NE	402	324	328	492	41	67	133	60	ND
Total Metals (µg/L)										
Aluminum	NE	27.6 B	NA	NA	NA	15.1 B	NA	NA	NA	9.5 U
Antimony	3	1.1 U	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U
Arsenic	25	4.4 U	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	30.5 B	NA	NA	NA	15.5 B	NA	NA	NA	25.7 B
Beryllium	3*	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U
Cadmium	5	0.2 B	NA	NA	NA	0.18 U	NA	NA	NA	0.18 U
Calcium	NE	38400	NA	NA	NA	10900	NA	NA	NA	55100
Chromium	50	2.7 B	NA	NA	NA	3.3 B	NA	NA	NA	4.7 B
Cobalt	NE	2.1 B	NA	NA	NA	3.3 B	NA	NA	NA	0.52 U
Copper	200	2.9 B	NA	NA	NA	0.7 U	NA	NA	NA	2.2 B
Iron	300	2340	NA	NA	NA	1060	NA	NA	NA	831
Lead	25	1.7 U	NA	NA	NA	8.3	NA	NA	NA	7.6
Magnesium	35000*	8530	NA	NA	NA	3790 B	NA	NA	NA	6880
Manganese	300	4090	NA	NA	NA	882	NA	NA	NA	387
Mercury	0.7	0.1 U	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	6 B	NA	NA	NA	3.6 B	NA	NA	NA	2.4 B
Potassium	NE	3920 B	NA	NA	NA	1430 B	NA	NA	NA	8840
Selenium	10	2.8 U	NA	NA	NA	2.8 UN	NA	NA	NA	2.8 UN
Silver	50	0.5 B	NA	NA	NA	0.32 U	NA	NA	NA	0.32 U
Sodium	20000	67600	NA	NA	NA	12400	NA	NA	NA	16000
Thallium	0.5*	3.2 U	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	0.23 U	NA	NA	NA	0.8 B	NA	NA	NA	2.8 B
Zinc	2000*	128	NA	NA	NA	96.4	NA	NA	NA	40.5
Other (µg/L)										
Alkalinity	NE	103000 D	NA	NA	NA	5350	NA	NA	NA	140000 D
Ammonia	2000	120	NA	NA	NA	100 U	NA	NA	NA	210
Carbon dioxide	NE	28200	NA	NA	NA	11400	NA	NA	NA	40500
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	100 U	NA	NA	NA	100 U	NA	NA	NA	510
Total Nitrogen	NE	100 U	NA	NA	NA	100 U	NA	NA	NA	830
Total Kjeldahl Nitrogen	NE	100 U	NA	NA	NA	500 U	NA	NA	NA	320
Sulfate	250000	10500	NA	NA	6380	29000	NA	NA	17700	5000 U
Sulfide	50*	2000 U	NA	NA	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	50 U	NA	NA	NA	50 U	NA	NA	NA	60

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26I2
Start Depth		5	20	20	20	20	35	35	35	35
End Depth		15	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	5	5	1 U	1 U	15	9	1	1 U
Toluene	5	1 U	1	1	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	14	39	1 U	4	2	1 U	2	1 U
o-Xylene	5	NA	8	NA	NA	NA	24	NA	NA	NA
m/p-Xylene	5	NA	6	NA	NA	NA	6	NA	NA	NA
Total Xylene	5	1 U	NA	31	1	3	NA	18	9	1 U
Total BTEX (ND=0)	NE	ND	34	76	1	7	47	27	12	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	2 BJ	NA	NA	NA	1 BJ	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26I2
Start Depth		5	20	20	20	20	35	35	35	35
End Depth		15	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013	
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	1	NA	NA	NA	6	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	340 D	NA	NA	NA	65	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	2	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	22	NA	NA	NA	29	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	9	NA	NA	NA	6	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	20	31	10 U	10 U	18	5 J	4 J	10 U
Acenaphthylene	NE	1 J	2 J	2 J	10 U	10 U	24	11	7 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	3 J	3 J	1 J	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	3 J	5 J	10 U	10 U	2 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	40	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	100 D	10 U	10 U	33	2 J	11	10 U
Phenanthrene	50*	10 U	1 J	4 J	10 U	10 U	16	17	4 J	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26I2
Start Depth		5	20	20	20	20	35	35	35	35
End Depth		15	30	30	30	30	45	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013	8/23/2012	12/6/2012	3/25/2013	5/30/2013	
Parent Sample Code										
Total PAH (17) (ND=0)	NE	1	26	182	ND	ND	96	38	27	ND
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	NA	NA	9.5 U	NA	NA	NA
Antimony	3	NA	1.1 U	NA	NA	NA	1.1 U	NA	NA	NA
Arsenic	25	NA	7.1 B	NA	NA	NA	4.4 U	NA	NA	NA
Barium	1000	NA	24.5 B	NA	NA	NA	36.1 B	NA	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA
Cadmium	5	NA	0.18 U	NA	NA	NA	0.18 U	NA	NA	NA
Calcium	NE	NA	57700	NA	NA	NA	48900	NA	NA	NA
Chromium	50	NA	4.2 B	NA	NA	NA	3.9 B	NA	NA	NA
Cobalt	NE	NA	1 B	NA	NA	NA	1.8 B	NA	NA	NA
Copper	200	NA	0.8 B	NA	NA	NA	0.7 U	NA	NA	NA
Iron	300	NA	1030	NA	NA	NA	453	NA	NA	NA
Lead	25	NA	4	NA	NA	NA	4.7	NA	NA	NA
Magnesium	35000*	NA	15700	NA	NA	NA	11500	NA	NA	NA
Manganese	300	NA	220	NA	NA	NA	1610	NA	NA	NA
Mercury	0.7	NA	0.1 U	NA	NA	NA	0.1 U	NA	NA	NA
Nickel	100	NA	1.5 B	NA	NA	NA	2.3 B	NA	NA	NA
Potassium	NE	NA	4020 B	NA	NA	NA	4590 B	NA	NA	NA
Selenium	10	NA	2.8 UN	NA	NA	NA	2.8 UN	NA	NA	NA
Silver	50	NA	0.32 U	NA	NA	NA	0.32 U	NA	NA	NA
Sodium	20000	NA	52700	NA	NA	NA	52600	NA	NA	NA
Thallium	0.5*	NA	3.2 U	NA	NA	NA	3.2 U	NA	NA	NA
Vanadium	NE	NA	0.8 B	NA	NA	NA	0.23 U	NA	NA	NA
Zinc	2000*	NA	6.4 B	NA	NA	NA	9.9 B	NA	NA	NA
Other (µg/L)										
Alkalinity	NE	NA	174000 D	NA	NA	NA	139000 D	NA	NA	NA
Ammonia	2000	NA	170	NA	NA	NA	110	NA	NA	NA
Carbon dioxide	NE	NA	29900	NA	NA	NA	31700	NA	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	100 U	NA	NA	NA
Nitrogen, Nitrate	10000	NA	100 U	NA	NA	NA	310	NA	NA	NA
Total Nitrogen	NE	NA	100 U	NA	NA	NA	310	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	NA	NA	100 U	NA	NA	NA
Sulfate	250000	5240	5000 U	NA	NA	5000 U	7660	NA	NA	23700
Sulfide	50*	NA	2000 U	NA	NA	NA	2000 U	NA	NA	NA
Total Phosphorous	NE	NA	50 U	NA	NA	NA	50 U	NA	NA	NA

Table 4-3
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Validation Level	NYS AWQS	Red. Val.	Red. Val.
Sample Name		OZMW-26D	OZMW-26D
Start Depth		55	55
End Depth		65	65
Depth Unit		ft	ft
Sample Date		8/23/2012	5/30/2013
Parent Sample Code			
BTEX (µg/L)			
Benzene	1	1 U	1 U
Toluene	5	1 U	1 U
Ethylbenzene	5	1 U	1 U
o-Xylene	5	1 U	NA
m/p-Xylene	5	1 U	NA
Total Xylene	5	NA	1 U
Total BTEX (ND=0)	NE	ND	ND
Other VOCs (µg/L)			
Acetaldehyde	8*	10 U	NA
Acetone	50*	2 J	NA
Acrylonitrile	5	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA
Bromochloromethane	5	1 U	NA
Bromodichloromethane	50*	1 U	NA
Bromoform	50*	1 U	NA
Bromomethane	5	1 U	NA
1,3-Butadiene	NE	10 U	NA
Carbon disulfide	60*	1 U	NA
Carbon tetrachloride	5	1 U	NA
Chlorobenzene	5	1 U	NA
Chloroethane	5	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA
Chloroform	7	1 U	NA
Chloromethane	5	1 U	NA
Chlorotoluene	5	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA
Cyclohexane	NE	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA
Dibromochloromethane	50*	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA
1,1-Dichloroethane	5	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA
1,2-Dichloropropane	1	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA
1,4-Dioxane	NE	500 U	NA
Ethanol	NE	500 U	NA
n-Heptane (C7)	NE	10 U	NA

Table 4-3
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.
Sample Name		OZMW-26D	OZMW-26D
Start Depth		55	55
End Depth		65	65
Depth Unit		ft	ft
Sample Date		8/23/2012	5/30/2013
Parent Sample Code			
Hexachlorobutadiene	0.5	1 U	NA
n-Hexane (C6)	NE	10 U	NA
2-Hexanone	50*	5 U	NA
Iodomethane	5	1 U	NA
Isopropyl benzene	5	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA
Methylene chloride	5	2 U	NA
Naphthalene	10*	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA
n-Propylbenzene	5	1 U	NA
Styrene	5	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA
Tetrahydrofuran	50*	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA
Trichloroethene (TCE)	5	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA
Vinyl acetate	NE	1 U	NA
Vinyl chloride	2	1 U	NA
NYSDEC PAH17 (µg/L)			
Acenaphthene	20*	10 U	10 U
Acenaphthylene	NE	10 U	10 U
Anthracene	50*	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U
Chrysene	0.002*	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U
Fluoranthene	50*	10 U	10 U
Fluorene	50*	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U
Naphthalene	10*	10 U	10 U
Phenanthrene	50*	10 U	10 U
Pyrene	50*	10 U	10 U

Table 4-3
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 1 (OU-1)

Validation Level	NYS AWQS	Red. Val.	Red. Val.
Sample Name		OZMW-26D	OZMW-26D
Start Depth		55	55
End Depth		65	65
Depth Unit		ft	ft
Sample Date		8/23/2012	5/30/2013
Parent Sample Code			
Total PAH (17) (ND=0)	NE	ND	ND
Total Metals (µg/L)			
Aluminum	NE	9.5 U	NA
Antimony	3	1.1 U	NA
Arsenic	25	4.4 U	NA
Barium	1000	7.5 B	NA
Beryllium	3*	0.12 U	NA
Cadmium	5	0.18 U	NA
Calcium	NE	8220	NA
Chromium	50	4.5 B	NA
Cobalt	NE	0.52 U	NA
Copper	200	0.9 B	NA
Iron	300	3580	NA
Lead	25	8.5	NA
Magnesium	35000*	2940 B	NA
Manganese	300	201	NA
Mercury	0.7	0.1 U	NA
Nickel	100	1.5 B	NA
Potassium	NE	1120 B	NA
Selenium	10	2.8 UN	NA
Silver	50	0.32 U	NA
Sodium	20000	9250	NA
Thallium	0.5*	3.2 U	NA
Vanadium	NE	0.23 U	NA
Zinc	2000*	14.5 B	NA
Other (µg/L)			
Alkalinity	NE	1000 U	NA
Ammonia	2000	120	NA
Carbon dioxide	NE	10600	NA
Nitrogen, Nitrite	1000	100 U	NA
Nitrogen, Nitrate	10000	100 U	NA
Total Nitrogen	NE	100 U	NA
Total Kjeldahl Nitrogen	NE	500 U	NA
Sulfate	250000	23100	34600
Sulfide	50*	2000 U	NA
Total Phosphorous	NE	50 U	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-4
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1999	2002			2003			2004			
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-01S	5.0 - 15.0	270	219	--	3,440	2,000	2,500	2,661	3,510	1,988	1,576	2,520
BBMW-01I	32.0 - 42.0	3	222	--	230	710	460	350	190	170	170	93
BBMW-01D	68.5 - 78.5	214	542	--	--	--	1,294	1,193	293	265	304	94
BBMW-23S	5.0 - 15.0	--	--	32,850	43,650	22,100	34,485	20,162	20,573	21,133	20,954	6,284
BBMW-23I	33.0 - 43.0	--	--	0	--	0	0	0	0	0	0	0
BBMW-23D	49.5 - 59.5	--	--	10	17	15	53	45	0	12	136	71
BBMW-23D2	63.0 - 73.0	--	--	28	--	0	97	80	0	--	0	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-4
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2005				2006				2007		
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct
BBMW-01S	5.0 - 15.0	1,930	1,085	1,080	1,090	273	59	1,361	2,329	949	3,640	7,420
BBMW-01I	32.0 - 42.0	220	230	120	120	43	94	110	110	77	156	375
BBMW-01D	68.5 - 78.5	191	585	112	32	24	216	462	109	32	555	386
BBMW-23S	5.0 - 15.0	6,047	29,430	3,300	1,725	7,450	4,070	6,558	120	12,332	18,185	19,818
BBMW-23I	33.0 - 43.0	--	0	0	--	0	0	0	0	0	0	19
BBMW-23D	49.5 - 59.5	234	446	210	--	729	467	509	579	519	96	1,324
BBMW-23D2	63.0 - 73.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-4
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007	2008				2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
BBMW-01S	5.0 - 15.0	5,590	4,210	3,022	1,251	797	284	43	29	187	23	38	
BBMW-01I	32.0 - 42.0	274	262	64	57	36	47	66	29	19	76	11	
BBMW-01D	68.5 - 78.5	9	43	81	75	21	33	47	115	105	213	83	
BBMW-23S	5.0 - 15.0	14,940	26,389	22,830	18,758	9,986	11,860	6,483	11,108	7,779	9,643	11,441	
BBMW-23I	33.0 - 43.0	10	0	3	0	0	0	0	0	115	0	6	
BBMW-23D	49.5 - 59.5	660	493	23	12	14	7	10	6	3	2	1	
BBMW-23D2	63.0 - 73.0	0	0	3	0	0	0	0	0	0	0	0	
OU2MW-17S	5.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-17I	13.0 - 23.0	--	--	90	0	0	80	164	17	0	6	245	
OU2MW-17I2	35.0 - 45.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-17D	60.0 - 75.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-18I	13.0 - 23.0	--	--	5,500	5,447	27,560	28,040	3,791	1,500	3,275	3,033	799	
OU2MW-18I2	35.0 - 45.0	--	--	0	0	0	0	0	0	336	418	490	
OU2MW-18D	60.0 - 70.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	59	
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	

Table 4-4
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010		2011				2012				2013
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-01S	5.0 - 15.0	4	11	2	2	1	0	0	0	0	--	--
BBMW-01I	32.0 - 42.0	0	3	1	0	0	0	0	0	0	--	--
BBMW-01D	68.5 - 78.5	72	58	32	11	94	20	26	2	124	0	9
BBMW-23S	5.0 - 15.0	6,213	4,890	4,327	4,104	654	3,771	3509	3718	2569	2,477	1,667
BBMW-23I	33.0 - 43.0	0	3	0	17	0	0	0	41	0	0	0
BBMW-23D	49.5 - 59.5	0	1	0	0	0	50	44	0	0	2	0
BBMW-23D2	63.0 - 73.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-17I	13.0 - 23.0	4	0	0	2	19	3	10	0	0	1	7
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	1,592	2,468	2,559	1,739	2,190	126	6	0	2	4	0
OU2MW-18I2	35.0 - 45.0	575	410	200	315	568	298	96	66	21	24	19
OU2MW-18D	60.0 - 70.0	0	0	0	0	9	0	0	0	0	0	--
OU2MW-54S	5.0 - 15.0	4	0	0	0	0	0	0	0	0	--	--
OU2MW-54I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-54I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-54D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-58S	5.0-15.0	--	--	0	0	0	0	0	0	0	--	--
OU2MW-58I	25.0-30.0	--	--	2	0	0	0	0	0	0	--	--

Table 4-4
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)					
		Sampling Date	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2013 Apr-Jun					
BBMW-01S	5.0 - 15.0	0	0	7,420	1,400	0	7,420
BBMW-01I	32.0 - 42.0	3	0	710	127	0	710
BBMW-01D	68.5 - 78.5	7	0	1,294	199	0	1,294
BBMW-23S	5.0 - 15.0	5,214	120	43,650	12,389	120	43,650
BBMW-23I	33.0 - 43.0	100	0	115	5	0	115
BBMW-23D	49.5 - 59.5	0	0	1,324	166	0	1,324
BBMW-23D2	63.0 - 73.0	0	0	97	7	0	97
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	3	0	245	32	0	245
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	0	0	28,040	4,482	0	28,040
OU2MW-18I2	35.0 - 45.0	27	0	575	192	0	575
OU2MW-18D	60.0 - 70.0	0	0	9	0	0	9
OU2MW-54S	5.0 - 15.0	0	0	85	13	0	85
OU2MW-54I	20.0 - 25.0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	0	0	0	0	0	0
OU2MW-58S	5.0-15.0	0	0	0	0	0	0
OU2MW-58I	25.0-30.0	0	0	2	0	0	2

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-5
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1999	2002			2003			2004			
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-01S	5.0 - 15.0	2,055	3,420	--	2,823	600	1,102	1,730	2,077	1,394	869	1,565
BBMW-01I	32.0 - 42.0	66	9,720	--	10,616	5,600	6,398	8,514	7,772	7,709	4,679	9,754
BBMW-01D	68.5 - 78.5	1,605	4,566	--	--	--	4,871	4,543	1,460	1,800	1,359	429
BBMW-23S	5.0 - 15.0	--	--	2,397	2,681	1,400	2,319	2,383	1,288	1,733	2,220	599
BBMW-23I	33.0 - 43.0	--	--	0	--	178	0	61	0	0	0	0
BBMW-23D	49.5 - 59.5	--	--	741	802	910	1,203	1,562	468	400	1,081	931
BBMW-23D2	63.0 - 73.0	--	--	36	--	0	120	0	0	--	0	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-5
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2005				2006				2007		
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct
BBMW-01S	5.0 - 15.0	2,067	1,333	1,034	2,425	1,043	0	956	2,158	659	4,347	3,927
BBMW-01I	32.0 - 42.0	9,659	7,734	10,674	8,276	3,679	6,746	7,141	10,165	5,812	7,721	8,946
BBMW-01D	68.5 - 78.5	821	2,832	50	251	349	863	2,250	425	195	2,090	1,248
BBMW-23S	5.0 - 15.0	921	1,830	994	890	1,410	959	759	2,521	1,741	2,519	1,785
BBMW-23I	33.0 - 43.0	--	13	33	--	146	88	65	59	199	2,207	2,559
BBMW-23D	49.5 - 59.5	1,493	1,665	2,161	--	2,459	2,391	2,994	2,353	2,591	6,619	5,835
BBMW-23D2	63.0 - 73.0	0	--	--	--	0	--	--	--	0	0	1
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-5
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007	2008				2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
BBMW-01S	5.0 - 15.0	3,929	1,432	1,640	1,991	142	359	119	0	126	46	63	
BBMW-01I	32.0 - 42.0	8,071	10,403	6,532	8,764	5,806	3,303	10,202	5,703	5,737	5,463	904	
BBMW-01D	68.5 - 78.5	50	55	183	274	13	68	92	141	220	273	248	
BBMW-23S	5.0 - 15.0	2,703	2,569	2,169	1,838	1,340	1,673	2,456	3,162	2,697	1,571	2,292	
BBMW-23I	33.0 - 43.0	31	16	14	23	0	12	2	0	237	2	1	
BBMW-23D	49.5 - 59.5	5,620	3,118	188	95	0	0	31	1	27	5	14	
BBMW-23D2	63.0 - 73.0	0	2	50	0	0	0	0	0	0	0	0	
OU2MW-17S	5.0 - 10.0	--	--	0	2	0	0	0	0	0	0	0	
OU2MW-17I	13.0 - 23.0	--	--	25	2	0	0	24	6	2	1	0	
OU2MW-17I2	35.0 - 45.0	--	--	0	1	0	0	0	0	0	0	0	
OU2MW-17D	60.0 - 75.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-18I	13.0 - 23.0	--	--	2,957	3,489	5,188	4,932	5,201	4,006	2,881	4,150	1,283	
OU2MW-18I2	35.0 - 45.0	--	--	0	0	0	0	0	0	0	490	0	
OU2MW-18D	60.0 - 70.0	--	--	0	0	0	0	0	0	0	0	0	
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	41	10	
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	0	0	
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	

Table 4-5
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010		2011				2012				2013
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-01S	5.0 - 15.0	44	42	36	3	50	21	2	1	0	--	--
BBMW-01I	32.0 - 42.0	431	1,714	508	0	0	0	0	0	0	--	--
BBMW-01D	68.5 - 78.5	135	134	103	0	423	73	88	58	418	11	30
BBMW-23S	5.0 - 15.0	948	976	71	427	224	389	519	437	436	429	460
BBMW-23I	33.0 - 43.0	0	0	0	0	2	0	0	6	0	0	0
BBMW-23D	49.5 - 59.5	15	12	0	0	0	0	17	9	6	7	7
BBMW-23D2	63.0 - 73.0	1	0	0	0	0	0	0	0	0	--	--
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-17I	13.0 - 23.0	0	0	0	0	4	0	2	2	3	2	3
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	4	0	0	0	0
OU2MW-18I	13.0 - 23.0	1,745	1,446	3,965	1,337	1,164	57	141	78	23	14	7
OU2MW-18I2	35.0 - 45.0	30	757	0	0	521	0	46	12	4	2	0
OU2MW-18D	60.0 - 70.0	0	0	0	0	13	3	0	0	0	0	--
OU2MW-54S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-54I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-54I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-54D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-58S	5.0-15.0	--	--	0	0	0	2	0	0	0	--	--
OU2MW-58I	25.0-30.0	--	--	0	0	0	3	0	0	0	--	--

Table 4-5
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)					
		Sampling Date	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2013 Apr-Jun					
BBMW-01S	5.0 - 15.0	0	0	4,347	1,162	0	4,347
BBMW-01I	32.0 - 42.0	623	0	10,674	5,632	0	10,674
BBMW-01D	68.5 - 78.5	30	0	4,871	856	0	4,871
BBMW-23S	5.0 - 15.0	525	71	3,162	1,503	71	3,162
BBMW-23I	33.0 - 43.0	10	0	2,559	153	0	2,559
BBMW-23D	49.5 - 59.5	5	0	6,619	1,167	0	6,619
BBMW-23D2	63.0 - 73.0	0	0	120	7	0	120
OU2MW-17S	5.0 - 10.0	0	0	2	0	0	2
OU2MW-17I	13.0 - 23.0	2	0	25	4	0	25
OU2MW-17I2	35.0 - 45.0	0	0	1	0	0	1
OU2MW-17D	60.0 - 75.0	0	0	4	0	0	4
OU2MW-18I	13.0 - 23.0	7	7	5,201	2,203	7	5,201
OU2MW-18I2	35.0 - 45.0	0	0	757	93	0	757
OU2MW-18D	60.0 - 70.0	0	0	13	1	0	13
OU2MW-54S	5.0 - 15.0	0	0	41	5	0	41
OU2MW-54I	20.0 - 25.0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	0	0	0	0	0	0
OU2MW-58S	5.0-15.0	0	0	2	0	0	2
OU2MW-58I	25.0-30.0	0	0	3	0	0	3

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
BBMW-02S	5.0 - 15.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	7	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	21	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	0	0	--	--	0	--
BBMW-15I	23.0 - 28.0	--	--	473	--	2	0	0	--	--	0	--
BBMW-15I2	35.0 - 45.0	--	--	47	--	0	--	0	--	--	0	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	14	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	--	--	--	--	264	533	612	774	833	96	82
BBMW-24D	59.5 - 69.5	--	--	--	--	1,102	--	1,005	837	1,389	1,420	590
GM-03S	6.78 - 21.78	41	15	70	4	36	--	32	--	--	229	--
GM-03I	30.03 - 45.03	7	0	26	7	135	--	0	--	--	879	--
GM-03D	53.18 - 68.18	175	375	0	0	0	--	0	--	--	0	--
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-15S	5.0 - 15.0	--	--	0	0	--	--	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	0	--	--	--	--	--	0	--	0
BBMW-15I2	35.0 - 45.0	--	--	0	--	--	--	--	--	0	--	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	--	0	0	0	0	0
BBMW-24I	32.0 - 42.0	2,408	2,068	477	1,290	175	--	--	519	--	183	116
BBMW-24D	59.5 - 69.5	194	183	666	799	658	--	--	367	--	647	662
GM-03S	6.78 - 21.78	--	128	40	--	103	133	19	126	177	69	116
GM-03I	30.03 - 45.03	--	--	0	--	137	--	196	0	0	0	0
GM-03D	53.18 - 68.18	0	--	0	--	0	--	--	--	--	--	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	2,210	--	617	1,456	1,641	829	378
OU2MW-08I	35.0 - 40.0	--	--	--	--	181	--	527	196	355	201	167
OU2MW-08I2	50.0 - 55.0	--	--	--	--	112	--	172	272	590	582	249
OU2MW-08D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	0	0	0	0	4	0	0	0	0	0	10
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	146	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	149	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	117	0	0	0	0	0
BBMW-24I	32.0 - 42.0	115	277	9	0	0	0	0	10	394	14	3
BBMW-24D	59.5 - 69.5	0	7	4	176	215	7	15	22	107	29	103
GM-03S	6.78 - 21.78	0	0	0	0	0	23	--	--	--	--	--
GM-03I	30.03 - 45.03	78	190	129	245	161	257	--	--	--	--	--
GM-03D	53.18 - 68.18	0	0	0	0	0	0	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	0	--	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	279	305	332	1,088	858	692	1,070	1,078	898	314	366
OU2MW-08I	35.0 - 40.0	521	481	196	88	245	62	69	46	333	209	4
OU2MW-08I2	50.0 - 55.0	105	120	545	369	317	248	293	152	39	86	104
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	16	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	1,616	4,617	2,299	82	110	121	65
OU2MW-19I2	35.0 - 45.0	--	--	--	--	130	133	112	103	75	61	108
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	543	1,818	542	341	127	152
OU2MW-20S	4.0 - 9.0	--	--	--	--	0	1	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	616	354	715	819	158	28	10
OU2MW-20I2	35.0 - 45.0	--	--	--	--	1	0	0	0	0	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	82	870	0	0	0
OU2MW-21I	13.0 - 23.0	--	--	--	--	780	1,041	1,877	4,930	195	26	9
OU2MW-21I2	35.0 - 45.0	--	--	--	--	46	83	367	479	99	176	26
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	298	125	6	158	3
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	2,029	157	117	2,393	112
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	0	23	0	0	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	2,862	2,153	197	56	0
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	0	0	0	0	0

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 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	125	276	138	49	732
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	40	253	245	287	4	5	3
OU2MW-26I2	35.0 - 45.0	--	--	--	--	0	5	347	1,559	26	3	319
OU2MW-26D	60.0 - 70.0	--	--	--	--	76	167	187	474	335	491	890
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	24
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	18
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	400	169	93	3	4	98
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	0	2	1	2	72	66
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	1,290	1,715	1,122	480	31	4
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	1,316	246	87	96	99	52
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	211	405	359	388	173	211
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	52	251	3	0	0	0
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	312	281	208	729	218	5
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	533	41	43	471	195	143
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	91	247	254	130	31	19
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	301	206	134	197	30	117
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	282	406	375	347	220	303
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	512	343	779	856	3	1
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	0	0	1	413	59	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	2,073	1,355	3,698	5,013	701	899
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	1,493	375	71	57	7	2
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	57	177	25	8	0	0
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	3,159	63	5	36
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	77	2	0	154
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	2	0	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	2,348	2,227	1,041	1,230
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	14
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	17	9	16	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	678	9	12	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	288	55	42	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	0	0	9	18	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	87	373	411	2,623	3
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	0	0	4	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	0	23	0	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	4,001	122	204	240	29
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	0	0	2	0	0
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	0	0	5	0	4
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	1	0	1	3	0
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	192	61	270	168	24	0
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	0	92	8	0	0	0
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	1,500	1,625	1,433	585	526	48
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	22	11	0
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	4	86	18
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	0	100	45
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	963
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	205
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	81
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	58
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	108	60	15	27	67
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	3	10	20	1	2
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	421	422	21	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	1,898	1,991	37	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	2	375	185	0	0
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	148	146	0	0	5
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	1,039	2,714	40	0	0
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	297	159	7	173	3
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	472	569	695	258	234
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-02S	5.0 - 15.0	0	0	0	11	2	0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	2	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	2	1	0	0	0	0	0	0	0	0	0
BBMW-24D	59.5 - 69.5	147	65	0	0	1	0	9	3	0	0	2
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	426	231	7	0	0	0	0	0	0	0	0
OU2MW-08I	35.0 - 40.0	156	168	136	108	6	0	0	175	2	0	16
OU2MW-08I2	50.0 - 55.0	136	92	120	105	62	64	97	100	104	129	104
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	21	1	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	0	10	22	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	0	13	14	14	38	84	63	13	39	34	40
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	26	172	12	35	0	0	0	0	0	0	0
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	87	0	0	0	0	0
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	0	0	0	0	0	0	0	0	1	0	0
OU2MW-21I	13.0 - 23.0	3	0	0	0	0	0	0	0	2	0	0
OU2MW-21I2	35.0 - 45.0	5	6	6	0	0	0	0	0	3	0	0
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	0	8	89	6	0	0	105	0	0	2	0
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	294	3	1	5,108	4,804	3	0	0	2	0	0
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	0	18	215	224	139	399
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-24S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-24I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-24I2	45.0 - 50.0	0	0	0	31	39	114	92	0	0	30	186
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	6	0	29	260	13	0	7	62	0	0	2
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	2	0	0
OU2MW-26I	13.0 - 23.0	24	0	0	0	0	0	2	0	0	0	0
OU2MW-26I2	35.0 - 45.0	136	5	41	0	2	0	0	2	6	0	0
OU2MW-26D	60.0 - 70.0	362	980	640	580	269	48	15	36	73	1	5
OU2MW-27S	5.0 - 15.0	0	0	0	2	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	0	0	0	1	0	0	0	0	0	0	0
OU2MW-27I2	45.0 - 50.0	11	12	0	6	2	0	0	0	0	0	0
OU2MW-27D	65.0 - 70.0	24	0	0	3	24	7	27	1	0	0	0
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-28I2	40.0 - 45.0	85	286	264	16	12	56	20	4	105	6	9
OU2MW-29I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-29I2	30.0 - 35.0	153	118	3	0	0	0	0	0	0	0	0
OU2MW-29D	45.0 - 50.0	141	85	188	247	124	160	119	77	64	70	63
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I2	30.0 - 35.0	80	4	3	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	10	3	37	1	3	10	97	77	3	10	0
OU2MW-30D	50.0 - 55.0	62	254	137	186	33	30	51	22	26	46	18
OU2MW-30D2	60.0 - 65.0	120	422	301	251	0	1	233	0	1	0	18
OU2MW-31I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-31I2	30.0 - 35.0	5	38	2	0	0	0	0	0	0	0	0
OU2MW-32S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	2,583	2,554	399	31	0	0	0	0	0	0	0
OU2MW-32I2	30.0 - 35.0	25	76	2	0	1	0	0	0	7	2	60
OU2MW-32D	40.0 - 45.0	7	0	0	0	0	0	22	270	159	228	446
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	8	83	2	0	0	0	0	0	0	6	0
OU2MW-33I2	35.0 - 40.0	1	0	0	3	0	0	0	0	0	0	0
OU2MW-33D	50.0 - 55.0	0	0	0	2	0	0	0	0	0	0	0
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	1,015	760	211	123	0	0	1,403	45	1	0	5
OU2MW-34I2	45.0 - 50.0	0	0	0	0	0	0	0	42	0	0	21
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	5	0	0	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-36D	61.0 - 66.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-37I	25.0 - 30.0	267	11	338	0	0	0	0	0	0	0	0
OU2MW-37I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38I	25.0 - 30.0	1	0	6	1	0	0	0	0	0	0	0
OU2MW-38I2	46.0 - 51.0	0	1	197	125	445	204	155	43	588	919	78
OU2MW-38D	56.0 - 61.0	0	0	80	18	0	0	0	0	0	3	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	1	0	0
OU2MW-39I	25.0 - 30.0	18	0	0	0	0	0	0	0	3	0	0
OU2MW-39I2	45.0 - 50.0	84	228	26	5	5	48	74	151	232	243	152
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	2	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-41S	5.0 - 15.0	4	0	0	0	0	0	0	0	0	0	0
OU2MW-41I	18.0 - 23.0	358	5	2	4	0	0	0	0	0	0	0
OU2MW-42S	5.0 - 15.0	3	0	0	0	0	0	0	0	0	0	0
OU2MW-42I	25.0 - 30.0	13	33	0	0	0	0	0	0	0	0	0
OU2MW-42I2	45.0 - 50.0	2	4	0	0	0	0	0	0	0	0	3
OU2MW-42D	60.0 - 65.0	8	12	18	14	43	17	23	4	8	5	216
OU2MW-43S	5.0 - 15.0	1	118	0	0	0	0	0	0	0	0	0
OU2MW-43I	25.0 - 30.0	0	2	5	0	0	0	0	0	0	0	0
OU2MW-43I2	45.0 - 50.0	5	13	12	32	50	1	7	0	6	2	4
OU2MW-43D	65.0 - 70.0	14	4	2	17	1	77	124	6	66	47	267
OU2MW-44S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	1	0	0	6	1	0	0	0	0	0	0
OU2MW-45I	20.0 - 25.0	600	62	0	26	0	0	0	0	0	0	0
OU2MW-45I2	40.0 - 45.0	0	0	0	0	0	0	0	1	0	0	0
OU2MW-45D	55.0 - 60.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46I2	40.0 - 45.0	0	0	5	2	0	0	0	0	0	0	0
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	1
OU2MW-47I2	40.0 - 45.0	2	57	0	0	0	0	3	5	0	0	0
OU2MW-47D	60.0 - 65.0	39	13	11	5	7	50	6	0	0	4	0
OU2MW-55S	5.0 - 15.0	--	8	8	5	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	--	18	10	7	1	0	0	0	20	0	0
OU2MW-55I2	50.0 - 55.0	--	120	100	14	9	4	4	2	0	4	15
OU2MW-55D	65.0 - 70.0	--	159	156	149	84	59	4	11	0	2	0

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-56S	5.0 - 15.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	45	6	4	0	0	0	0	0	0	0
OU2MW-56I2	45.0 - 50.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-56D	65.0 - 70.0	--	0	0	0	0	0	0	0	0	0	0

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	--	--	0	0	11	1	0	11
BBMW-02I	30.0 - 40.0	--	--	0	0	7	0	0	7
BBMW-02D	73.0 - 83.0	--	--	0	0	21	1	0	21
BBMW-15S	5.0 - 15.0	--	--	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	0	0	473	21	0	473
BBMW-15I2	35.0 - 45.0	--	--	0	0	149	7	0	149
BBMW-15D	70.0 - 80.0	--	--	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	--	--	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	--	--	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	--	--	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	--	--	0	0	117	3	0	117
BBMW-24I	32.0 - 42.0	--	--	0	0	2,408	304	0	2,408
BBMW-24D	59.5 - 69.5	0	3	1	0	1,420	301	0	1,420
GM-03S	6.78 - 21.78	--	--	--	0	229	62	0	229
GM-03I	30.03 - 45.03	--	--	--	0	879	122	0	879
GM-03D	53.18 - 68.18	--	--	--	0	375	32	0	375
MW-16AS	3.0 - 13.0	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	--	--	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	--	--	0	0	2,210	536	0	2,210
OU2MW-08I	35.0 - 40.0	4	0	0	0	527	155	0	527
OU2MW-08I2	50.0 - 55.0	66	90	61	39	590	187	39	590
OU2MW-08D	65.0 - 70.0	--	--	0	0	16	1	0	16
OU2MW-19I	13.0 - 23.0	121	0	0	0	4,617	453	0	4,617
OU2MW-19I2	35.0 - 45.0	114	0	4	0	133	43	0	133
OU2MW-19D	65.0 - 70.0	125	0	398	0	1,818	211	0	1,818
OU2MW-20S	4.0 - 9.0	--	--	0	0	1	0	0	1
OU2MW-20I	13.0 - 23.0	0	0	0	0	819	147	0	819
OU2MW-20I2	35.0 - 45.0	--	--	0	0	87	5	0	87
OU2MW-20D	65.0 - 70.0	--	--	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	--	--	0	0	870	60	0	870
OU2MW-21I	13.0 - 23.0	--	--	0	0	4,930	492	0	4,930
OU2MW-21I2	35.0 - 45.0	--	--	0	0	479	72	0	479
OU2MW-22S	5.0 - 15.0	--	--	0	0	2	0	0	2
OU2MW-22I	25.0 - 30.0	5	--	0	0	298	47	0	298
OU2MW-22I2	46.0 - 51.0	--	--	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	0	0	0	0	5,108	835	0	5,108
OU2MW-23I2	45.0 - 50.0	91	4	0	0	399	61	0	399
OU2MW-23D	65.0 - 70.0	--	--	0	0	2	0	0	2
OU2MW-24S	5.0 - 15.0	--	--	0	0	23	1	0	23
OU2MW-24I	25.0 - 30.0	--	--	0	0	2,862	329	0	2,862
OU2MW-24I2	45.0 - 50.0	2	66	347	0	186	31	0	347
OU2MW-24D	62.0 - 67.0	--	--	2	0	0	0	0	2

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-25S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	26	0	0	0	732	96	0	732
OU2MW-25I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	0	0	2	0	0	2
OU2MW-26I	13.0 - 23.0	0	--	0	0	287	45	0	287
OU2MW-26I2	35.0 - 45.0	--	--	0	0	1,559	136	0	1,559
OU2MW-26D	60.0 - 70.0	6	16	1	1	980	283	1	980
OU2MW-27S	5.0 - 15.0	--	--	0	0	2	0	0	2
OU2MW-27I	25.0 - 30.0	--	--	0	0	1	0	0	1
OU2MW-27I2	45.0 - 50.0	--	--	0	0	24	5	0	24
OU2MW-27D	65.0 - 70.0	0	--	0	0	27	8	0	27
OU2MW-28S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	--	--	0	0	400	45	0	400
OU2MW-28I2	40.0 - 45.0	4	6	2	0	286	53	0	286
OU2MW-29I	18.0 - 23.0	--	0	0	0	1,715	258	0	1,715
OU2MW-29I2	30.0 - 35.0	--	0	0	0	1,316	121	0	1,316
OU2MW-29D	45.0 - 50.0	34	18	12	18	405	165	12	405
OU2MW-30S	5.0 - 15.0	0	0	0	0	251	16	0	251
OU2MW-30I	25.0 - 30.0	0	0	0	0	729	92	0	729
OU2MW-30I2	30.0 - 35.0	0	0	0	0	533	80	0	533
OU2MW-30I3	45.0 - 50.0	0	0	0	0	254	54	0	254
OU2MW-30D	50.0 - 55.0	4	2	0	2	301	98	0	301
OU2MW-30D2	60.0 - 65.0	0	0	0	0	422	173	0	422
OU2MW-31I	18.0 - 23.0	--	--	0	0	856	147	0	856
OU2MW-31I2	30.0 - 35.0	--	--	0	0	413	30	0	413
OU2MW-32S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	0	0	5,013	1,136	0	5,013
OU2MW-32I2	30.0 - 35.0	233	0	0	0	1,493	127	0	1,493
OU2MW-32D	40.0 - 45.0	217	168	331	0	446	94	0	446
OU2MW-33S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	0	0	3,159	224	0	3,159
OU2MW-33I2	35.0 - 40.0	--	--	0	0	154	16	0	154
OU2MW-33D	50.0 - 55.0	--	--	6	0	2	0	0	6
OU2MW-34S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	0	0	0	0	2,348	612	0	2,348
OU2MW-34I2	45.0 - 50.0	27	0	134	0	42	6	0	134
OU2MW-35S	5.0 - 15.0	--	--	0	0	17	3	0	17
OU2MW-35I	25.0 - 30.0	--	--	0	0	678	44	0	678
OU2MW-35I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	0	5	0	0	5
OU2MW-36S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	0	0	288	24	0	288
OU2MW-36I2	45.0 - 50.0	--	--	0	0	0	0	0	0

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-36D	61.0 - 66.0	--	--	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	0	0	18	2	0	18
OU2MW-37I	25.0 - 30.0	--	--	0	0	2,623	257	0	2,623
OU2MW-37I2	45.0 - 50.0	--	--	0	0	4	0	0	4
OU2MW-37D	67.0 - 72.0	--	--	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	0	0	23	1	0	23
OU2MW-38I	25.0 - 30.0	--	--	0	0	4,001	288	0	4,001
OU2MW-38I2	46.0 - 51.0	2	0	0	0	919	153	0	919
OU2MW-38D	56.0 - 61.0	0	0	0	0	80	6	0	80
OU2MW-39S	5.0 - 15.0	0	5	0	0	5	0	0	5
OU2MW-39I	25.0 - 30.0	0	0	0	0	18	2	0	18
OU2MW-39I2	45.0 - 50.0	276	502	137	0	502	113	0	502
OU2MW-39D	70.0 - 75.0	0	0	0	0	2	0	0	2
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	--	--	0	0	270	42	0	270
OU2MW-41S	5.0 - 15.0	--	--	0	0	92	6	0	92
OU2MW-41I	18.0 - 23.0	0	0	0	0	1,625	320	0	1,625
OU2MW-42S	5.0 - 15.0	--	--	0	0	22	3	0	22
OU2MW-42I	25.0 - 30.0	--	--	0	0	86	11	0	86
OU2MW-42I2	45.0 - 50.0	--	--	9	0	4	1	0	9
OU2MW-42D	60.0 - 65.0	690	1,207	1,860	0	1,207	151	0	1,860
OU2MW-43S	5.0 - 15.0	--	--	0	0	963	90	0	963
OU2MW-43I	25.0 - 30.0	--	--	0	0	205	18	0	205
OU2MW-43I2	45.0 - 50.0	11	25	84	0	81	18	0	84
OU2MW-43D	65.0 - 70.0	321	375	454	1	375	99	1	454
OU2MW-44S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	0	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	0	0	108	18	0	108
OU2MW-45I	20.0 - 25.0	--	--	0	0	600	45	0	600
OU2MW-45I2	40.0 - 45.0	--	--	0	0	1	0	0	1
OU2MW-45D	55.0 - 60.0	--	--	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	--	--	0	0	422	54	0	422
OU2MW-46I	20.0 - 25.0	--	--	0	0	1,991	245	0	1,991
OU2MW-46I2	40.0 - 45.0	--	--	0	0	375	36	0	375
OU2MW-47S	5.0 - 15.0	0	0	0	0	148	17	0	148
OU2MW-47I	20.0 - 25.0	0	0	0	0	2,714	211	0	2,714
OU2MW-47I2	40.0 - 45.0	0	0	0	0	297	39	0	297
OU2MW-47D	60.0 - 65.0	0	0	0	0	695	131	0	695
OU2MW-55S	5.0 - 15.0	0	0	0	0	8	2	0	8
OU2MW-55I	30.0 - 35.0	0	0	0	0	20	5	0	20
OU2MW-55I2	50.0 - 55.0	4	0	0	0	120	23	0	120
OU2MW-55D	65.0 - 70.0	0	2	4	0	159	52	0	159

Table 4-6
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-56S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	--	0	0	45	5	0	45
OU2MW-56I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-56D	65.0 - 70.0	--	--	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
BBMW-02S	5.0 - 15.0	--	--	2	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	2	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	0	0	--	--	0	--
BBMW-15I	23.0 - 28.0	--	--	30	--	0	0	0	--	--	0	--
BBMW-15I2	35.0 - 45.0	--	--	3	--	0	0	0	--	--	0	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	11	0	0	0	908	0	120
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	11,246	6,000	6,400	4,815	4,782	5,284
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	6,000	5,800	8,110	3,194	1,070
GM-03S	6.78 - 21.78	196	6	6	4	37	--	510	--	--	100	--
GM-03I	30.03 - 45.03	350	0	21	12	273	--	149	--	--	898	--
GM-03D	53.18 - 68.18	661	1,238	0	1	1	--	31	--	--	0	--
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
	Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003		2004		
Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May		
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-15S	5.0 - 15.0	--	--	0	0	--	--	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	0	--	--	--	--	--	0	--	0
BBMW-15I2	35.0 - 45.0	--	--	0	--	--	--	--	--	0	--	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	0
BBMW-24S	4.0 - 14.0	0	0	0	10	0	--	0	0	0	0	0
BBMW-24I	32.0 - 42.0	7,679	8,053	6,062	4,694	5,392	--	--	5,772	--	2,115	184
BBMW-24D	59.5 - 69.5	360	392	3,232	5,652	5,372	--	--	3,037	--	4,055	3,852
GM-03S	6.78 - 21.78	--	182	12	--	183	110	0	250	245	72	235
GM-03I	30.03 - 45.03	--	--	67	--	429	--	1,330	0	0	0	0
GM-03D	53.18 - 68.18	0	--	0	--	0	--	--	--	--	--	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	2,204	--	9,968	7,000	4,974	8,445	5,763
OU2MW-08I	35.0 - 40.0	--	--	--	--	3,453	--	4,983	4,020	2,328	3,013	507
OU2MW-08I2	50.0 - 55.0	--	--	--	--	1,364	--	1,666	2,664	1,347	1,961	1,454
OU2MW-08D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--

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 Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	0	0	1	0	0	0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	48	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	77	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	2	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	2	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	2	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	23	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	120	0	0	0	0	1
BBMW-24I	32.0 - 42.0	434	1,863	103	85	87	0	0	0	1,027	0	0
BBMW-24D	59.5 - 69.5	0	1	0	0	160	2	113	233	13	53	131
GM-03S	6.78 - 21.78	21	8	8	0	0	47	--	--	--	--	--
GM-03I	30.03 - 45.03	275	611	44	2	106	13	--	--	--	--	--
GM-03D	53.18 - 68.18	0	4	0	48	0	0	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	7	0	20	--	0	62	0	0	0	0
OU2MW-08S	20.0 - 25.0	9,121	8,025	13,563	6,542	6,504	7,369	6,698	4,426	4,661	4,301	714
OU2MW-08I	35.0 - 40.0	2,354	799	2,954	2,264	4,805	12,258	8,486	4,781	7,615	2,887	1
OU2MW-08I2	50.0 - 55.0	1,429	262	3,501	1,646	2,120	3,037	2,954	906	0	70	2,140
OU2MW-08D	65.0 - 70.0	111	0	3,892	0	0	9	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	1,043	1,459	357	175	92	146	55
OU2MW-19I2	35.0 - 45.0	--	--	--	--	6,212	7,648	6,239	7,147	6,811	3,337	5,885
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	801	3,718	1,862	2,841	3,601	2,932
OU2MW-20S	4.0 - 9.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	101	91	0	74	0	0	5
OU2MW-20I2	35.0 - 45.0	--	--	--	--	4	0	0	0	0	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	2	0	0	0	0	2
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	424	341	9	4	0
OU2MW-21I	13.0 - 23.0	--	--	--	--	5,417	4,165	297	1,948	24	86	0
OU2MW-21I2	35.0 - 45.0	--	--	--	--	3,922	3,985	3,134	3,902	1,244	110	10
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	181	32	0	23	0
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	429	178	63	323	0
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	3	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	6,015	5,796	1,068	493	80
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	4	0	0	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	0	0	0	0	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	149	121	133	72	63
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	0	5	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	102	154	235	277	0	3	0
OU2MW-26I2	35.0 - 45.0	--	--	--	--	54	965	3,990	2,576	26	14	7
OU2MW-26D	60.0 - 70.0	--	--	--	--	623	149	1,369	1,742	3,482	4,328	5,814
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	10
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	18
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	1,150
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	0	0	0	1	0	0
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	283	132	121	0	11	13
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	12	16	15	0	1,712	532
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	863	1,083	700	513	38	6
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	3,642	6,159	2,778	6,117	274	501
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	2,656	2,474	314	2,842	2,937	2,890
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	2	1,990	10	0	0	0
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	5,560	7,304	5,175	2,186	33	6
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	6,605	5,671	6,025	4,696	195	76
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	93	5,101	5,562	5,586	94	80
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	1,087	5,989	1,652	4,681	84	586
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	2,638	4,689	4,735	2,274	15	2,904
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	212	488	79	137	4	0
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	1	6	0	841	21	1
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	0	0	63	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	4,029	3,970	2,818	7,796	4,621	2,814
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	5,230	3,459	1,164	408	94	39
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	29	1,336	189	32	10	0
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	565	158	39	66
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	104	14	4	679
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	257	333	153	280
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	3	0	0	11
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	3	0	0	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	2,270	250	8	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	4	0	0	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	1,302	573	325	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	0	0	3	0	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	43	38	216	23	0
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	0	0	3	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	2,992	2,202	206	61	14
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	32	4	3	0	0
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	1	0	55	130	1
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	165	122	167	71	25	16
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	0	143	0	0	0	0
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	2,370	3,785	4,276	1,981	540	129
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	107	0	0
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	2	0	0
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	4	185	373
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	219
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	197
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	5,130
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	14
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	1
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	45
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	30	8	5	1	2
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	39	7	0	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	0	0	0	2	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	0	31	0	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	2,503	2,169	12	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	0	4	56	0	0
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	56	0	0	0	0
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	785	1,043	4	0	1
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	6,146	3,627	8	31	7
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	7,437	7,007	6,751	3,906	1,550
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007			2008				2009			
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

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 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-02S	5.0 - 15.0	0	0	0	0	0	0	2	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	2	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	1	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24D	59.5 - 69.5	268	114	26	3	1	0	2	0	0	0	0
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	1,958	820	84	52	1	4	2	4	0	0	0
OU2MW-08I	35.0 - 40.0	344	9	60	0	0	7	17	0	39	9	0
OU2MW-08I2	50.0 - 55.0	2,182	524	704	2,146	489	909	2,102	2,599	1,989	2,330	630
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	6	0	0	0	6
OU2MW-19I	13.0 - 23.0	26	11	0	0	0	0	0	0	0	3	0
OU2MW-19I2	35.0 - 45.0	644	41	69	4	3	0	0	0	0	8	0
OU2MW-19D	65.0 - 70.0	0	0	0	30	212	20	4	14	254	180	231
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-20I	13.0 - 23.0	1	2	3	16	0	0	0	0	0	0	0
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	0	5	0	0	0	0
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	1	0
OU2MW-21S	5.0 - 15.0	0	13	0	0	0	0	0	0	0	0	0
OU2MW-21I	13.0 - 23.0	17	29	0	0	0	0	0	0	0	0	0
OU2MW-21I2	35.0 - 45.0	6	1	2	1	1	0	0	0	0	0	0
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	3	0
OU2MW-22I	25.0 - 30.0	0	0	22	22	0	0	58	0	0	4	0
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	0	0	0	583	1,009	0	0	0	2	0	0
OU2MW-23I2	45.0 - 50.0	0	0	0	0	2	0	9	434	126	123	268
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	4	0
OU2MW-24S	5.0 - 15.0	258	0	0	0	0	0	0	0	0	0	0
OU2MW-24I	25.0 - 30.0	0	5	0	0	0	0	0	0	0	0	0
OU2MW-24I2	45.0 - 50.0	0	0	0	187	9	24	356	3	1	220	523
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	0	3	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	45	0	6	52	30	3	1	30	4	0	0
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	1	1	0	0	0	0	0	19	0	0	0
OU2MW-26I2	35.0 - 45.0	15	6	0	0	0	0	0	0	0	0	0
OU2MW-26D	60.0 - 70.0	4,267	2,232	3,291	3,640	381	14	14	0	6	0	0
OU2MW-27S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	2	0	0	0	0	0	0	0	0	0	0
OU2MW-27I2	45.0 - 50.0	8	0	2	1	0	0	0	0	0	0	0
OU2MW-27D	65.0 - 70.0	0	2	1	0	0	4	438	0	10	0	4
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	0	1	0	0	0	4
OU2MW-28I	28.0 - 33.0	0	0	0	0	0	0	1	0	0	2	5
OU2MW-28I2	40.0 - 45.0	79	4,443	4,414	0	0	3	99	20	183	0	1
OU2MW-29I	18.0 - 23.0	0	0	0	0	1	27	0	0	0	8	11
OU2MW-29I2	30.0 - 35.0	76	57	15	1	0	0	0	0	0	0	33
OU2MW-29D	45.0 - 50.0	1,726	789	2,278	652	1,316	721	1,513	813	1,372	1,193	1,402
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	11	5	0	0	0	0	0	0	0	0	6
OU2MW-30I2	30.0 - 35.0	6	2	13	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	3	0	73	0	0	0	5	4	0	0	3
OU2MW-30D	50.0 - 55.0	8	3	6	2	5	0	2	0	3	2	5
OU2MW-30D2	60.0 - 65.0	147	2,248	2,312	273	10	0	194	0	0	0	2
OU2MW-31I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-31I2	30.0 - 35.0	0	0	0	0	18	0	0	0	0	0	0
OU2MW-32S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	1,579	573	202	116	34	25	27	21	22	16	12
OU2MW-32I2	30.0 - 35.0	503	578	132	58	14	10	16	6	26	5	4
OU2MW-32D	40.0 - 45.0	0	0	2	0	0	0	2	598	4	55	1,578
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	25	63	10	0	0	0	0	0	0	1	0
OU2MW-33I2	35.0 - 40.0	16	6	0	0	0	0	0	0	0	0	0
OU2MW-33D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	295	195	53	34	14	2	230	2	0	0	4
OU2MW-34I2	45.0 - 50.0	0	0	0	0	0	0	0	17	14	2	16
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	8	0	0	0	0	4	3	0
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	1	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-36D	61.0 - 66.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	4	0
OU2MW-37I	25.0 - 30.0	11	0	65	0	0	0	0	0	0	4	0
OU2MW-37I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	4	0
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-38I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	2	0
OU2MW-38I2	46.0 - 51.0	0	0	26	5	7	116	164	0	439	1,312	35
OU2MW-38D	56.0 - 61.0	0	0	60	11	0	0	0	0	0	3	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	4	0	4	0
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	2	1	4	0
OU2MW-39I2	45.0 - 50.0	671	220	89	0	14	0	393	1,217	1,051	1,063	1,404
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	1	3	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	51	0	0	0
OU2MW-40I	18.0 - 23.0	14	0	0	0	0	0	0	0	10	0	0
OU2MW-41S	5.0 - 15.0	1	19	0	0	0	0	0	0	0	0	0
OU2MW-41I	18.0 - 23.0	543	0	13	0	0	0	0	54	66	0	5
OU2MW-42S	5.0 - 15.0	5	0	0	5	0	2	3	0	0	2	0
OU2MW-42I	25.0 - 30.0	106	14	7	0	0	0	0	0	0	2	0
OU2MW-42I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	44
OU2MW-42D	60.0 - 65.0	199	80	56	121	26	115	68	13	41	25	347
OU2MW-43S	5.0 - 15.0	31	0	0	0	0	0	0	0	0	0	0
OU2MW-43I	25.0 - 30.0	18	0	0	0	0	0	0	0	0	0	0
OU2MW-43I2	45.0 - 50.0	10	96	0	1,293	259	5	38	0	218	97	4
OU2MW-43D	65.0 - 70.0	71	10	4	44	0	119	320	416	333	313	1,407
OU2MW-44S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-45I	20.0 - 25.0	200	25	1	0	0	0	0	0	0	0	0
OU2MW-45I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	0	0	0	0	0	13	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	4	8	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	6	32	4	2	21	10	0	0	0	0
OU2MW-55S	5.0 - 15.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	--	0	0	0	0	0	0	111	0	0	0
OU2MW-55I2	50.0 - 55.0	--	18	336	0	0	0	0	0	0	0	0
OU2MW-55D	65.0 - 70.0	--	179	29	252	5	35	2	0	0	0	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010				2011				2012		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-56S	5.0 - 15.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	6	0	0	0	0	0	0	0	0	0
OU2MW-56I2	45.0 - 50.0	--	0	0	0	0	0	0	8	0	0	0
OU2MW-56D	65.0 - 70.0	--	0	0	0	0	0	0	0	0	0	0

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	--	--	0	0	2	0	0	2
BBMW-02I	30.0 - 40.0	--	--	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	--	--	0	0	2	0	0	2
BBMW-15S	5.0 - 15.0	--	--	0	0	2	0	0	2
BBMW-15I	23.0 - 28.0	--	--	0	0	48	3	0	48
BBMW-15I2	35.0 - 45.0	--	--	0	0	77	3	0	77
BBMW-15D	70.0 - 80.0	--	--	0	0	2	0	0	2
BBMW-16S	5.0 - 15.0	--	--	0	0	2	0	0	2
BBMW-16I	35.0 - 45.0	--	--	0	0	2	0	0	2
BBMW-16D	68.0 - 78.0	--	--	0	0	23	1	0	23
BBMW-24S	4.0 - 14.0	--	--	0	0	908	30	0	908
BBMW-24I	32.0 - 42.0	--	--	0	0	11,246	2,398	0	11,246
BBMW-24D	59.5 - 69.5	0	0	0	0	8,110	1,544	0	8,110
GM-03S	6.78 - 21.78	--	--	--	0	510	101	0	510
GM-03I	30.03 - 45.03	--	--	--	0	1,330	229	0	1,330
GM-03D	53.18 - 68.18	--	--	--	0	1,238	117	0	1,238
MW-16AS	3.0 - 13.0	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	--	--	0	0	62	4	0	62
OU2MW-08S	20.0 - 25.0	--	--	0	0	13,563	4,043	0	13,563
OU2MW-08I	35.0 - 40.0	1	2	0	0	12,258	2,267	0	12,258
OU2MW-08I2	50.0 - 55.0	363	146	171	0	3,501	1,521	0	3,501
OU2MW-08D	65.0 - 70.0	--	--	1	0	3,892	144	0	3,892
OU2MW-19I	13.0 - 23.0	0	0	0	0	1,459	168	0	1,459
OU2MW-19I2	35.0 - 45.0	5	0	16	0	7,648	2,203	0	7,648
OU2MW-19D	65.0 - 70.0	13	0	1,568	0	3,718	880	0	3,718
OU2MW-20S	4.0 - 9.0	--	--	0	0	2	0	0	2
OU2MW-20I	13.0 - 23.0	0	0	0	0	101	15	0	101
OU2MW-20I2	35.0 - 45.0	--	--	0	0	5	1	0	5
OU2MW-20D	65.0 - 70.0	--	--	0	0	2	0	0	2
OU2MW-21S	5.0 - 15.0	--	--	0	0	424	49	0	424
OU2MW-21I	13.0 - 23.0	--	--	0	0	5,417	666	0	5,417
OU2MW-21I2	35.0 - 45.0	--	--	0	0	3,985	907	0	3,985
OU2MW-22S	5.0 - 15.0	--	--	0	0	3	0	0	3
OU2MW-22I	25.0 - 30.0	4	--	0	0	181	20	0	181
OU2MW-22I2	46.0 - 51.0	--	--	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	0	1	0	0	1,009	144	0	1,009
OU2MW-23I2	45.0 - 50.0	81	9	0	0	434	58	0	434
OU2MW-23D	65.0 - 70.0	--	--	0	0	4	0	0	4
OU2MW-24S	5.0 - 15.0	--	--	0	0	258	16	0	258
OU2MW-24I	25.0 - 30.0	--	--	0	0	6,015	841	0	6,015
OU2MW-24I2	45.0 - 50.0	4	122	1,610	0	523	81	0	1,610
OU2MW-24D	62.0 - 67.0	--	--	20	0	3	0	0	20

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-25S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	12	0	0	0	149	40	0	149
OU2MW-25I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	0	0	2	0	0	2
OU2MW-26S	6.0 - 11.0	--	--	0	0	5	0	0	5
OU2MW-26I	13.0 - 23.0	0	--	0	0	277	42	0	277
OU2MW-26I2	35.0 - 45.0	--	--	0	0	3,990	425	0	3,990
OU2MW-26D	60.0 - 70.0	0	0	0	0	5,814	1,568	0	5,814
OU2MW-27S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	--	--	0	0	10	1	0	10
OU2MW-27I2	45.0 - 50.0	--	--	0	0	18	2	0	18
OU2MW-27D	65.0 - 70.0	25	--	0	0	1,150	126	0	1,150
OU2MW-28S	5.0 - 15.0	--	--	0	0	4	0	0	4
OU2MW-28I	28.0 - 33.0	--	--	0	0	283	33	0	283
OU2MW-28I2	40.0 - 45.0	0	0	0	0	4,443	607	0	4,443
OU2MW-29I	18.0 - 23.0	--	0	0	0	1,083	181	0	1,083
OU2MW-29I2	30.0 - 35.0	--	0	0	0	6,159	1,092	0	6,159
OU2MW-29D	45.0 - 50.0	328	207	58	207	2,937	1,496	58	2,937
OU2MW-30S	5.0 - 15.0	0	0	0	0	1,990	105	0	1,990
OU2MW-30I	25.0 - 30.0	0	0	0	0	7,304	1,068	0	7,304
OU2MW-30I2	30.0 - 35.0	0	0	0	0	6,605	1,226	0	6,605
OU2MW-30I3	45.0 - 50.0	0	0	0	0	5,586	874	0	5,586
OU2MW-30D	50.0 - 55.0	0	0	0	0	5,989	743	0	5,989
OU2MW-30D2	60.0 - 65.0	0	0	0	0	4,735	1,181	0	4,735
OU2MW-31I	18.0 - 23.0	--	--	0	0	488	54	0	488
OU2MW-31I2	30.0 - 35.0	--	--	0	0	841	52	0	841
OU2MW-32S	5.0 - 15.0	--	--	0	0	63	4	0	63
OU2MW-32I	20.0 - 25.0	--	--	0	12	7,796	1,687	0	7,796
OU2MW-32I2	30.0 - 35.0	128	0	0	0	5,230	625	0	5,230
OU2MW-32D	40.0 - 45.0	225	825	1,451	0	1,578	257	0	1,578
OU2MW-33S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	0	0	565	62	0	565
OU2MW-33I2	35.0 - 40.0	--	--	0	0	679	55	0	679
OU2MW-33D	50.0 - 55.0	--	--	16	0	0	0	0	16
OU2MW-34S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	0	0	10	0	333	109	0	333
OU2MW-34I2	45.0 - 50.0	16	0	21	0	17	5	0	21
OU2MW-35S	5.0 - 15.0	--	--	0	0	3	0	0	3
OU2MW-35I	25.0 - 30.0	--	--	0	0	2,270	158	0	2,270
OU2MW-35I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	0	8	1	0	8
OU2MW-36S	5.0 - 15.0	--	--	0	0	2	0	0	2
OU2MW-36I	25.0 - 30.0	--	--	0	0	1,302	138	0	1,302
OU2MW-36I2	45.0 - 50.0	--	--	0	0	1	0	0	1

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-36D	61.0 - 66.0	--	--	0	0	1	0	0	1
OU2MW-37S	5.0 - 15.0	--	--	0	0	4	0	0	4
OU2MW-37I	25.0 - 30.0	--	--	0	0	216	25	0	216
OU2MW-37I2	45.0 - 50.0	--	--	0	0	4	0	0	4
OU2MW-37D	67.0 - 72.0	--	--	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	0	0	2	0	0	2
OU2MW-38I	25.0 - 30.0	--	--	0	0	2,992	342	0	2,992
OU2MW-38I2	46.0 - 51.0	2	0	0	0	1,312	117	0	1,312
OU2MW-38D	56.0 - 61.0	9	0	0	0	60	5	0	60
OU2MW-39S	5.0 - 15.0	0	12	0	0	12	1	0	12
OU2MW-39I	25.0 - 30.0	0	0	0	0	32	3	0	32
OU2MW-39I2	45.0 - 50.0	1,825	3,780	853	0	3,780	662	0	3,780
OU2MW-39D	70.0 - 75.0	0	0	0	0	3	0	0	3
OU2MW-40S	5.0 - 15.0	0	20	0	0	51	4	0	51
OU2MW-40I	18.0 - 23.0	--	--	0	0	167	35	0	167
OU2MW-41S	5.0 - 15.0	--	--	0	0	143	10	0	143
OU2MW-41I	18.0 - 23.0	10	32	0	0	4,276	727	0	4,276
OU2MW-42S	5.0 - 15.0	--	--	1	0	107	9	0	107
OU2MW-42I	25.0 - 30.0	--	--	0	0	106	9	0	106
OU2MW-42I2	45.0 - 50.0	--	--	128	0	44	3	0	128
OU2MW-42D	60.0 - 65.0	917	3,289	2,468	4	3,289	366	4	3,289
OU2MW-43S	5.0 - 15.0	--	--	0	0	219	21	0	219
OU2MW-43I	25.0 - 30.0	--	--	0	0	197	18	0	197
OU2MW-43I2	45.0 - 50.0	295	291	1,349	0	5,130	553	0	5,130
OU2MW-43D	65.0 - 70.0	1,869	2,458	1,868	0	2,458	527	0	2,458
OU2MW-44S	5.0 - 15.0	--	--	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	0	0	1	0	0	1
OU2MW-44I2	45.0 - 50.0	--	--	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	0	0	45	4	0	45
OU2MW-45I	20.0 - 25.0	--	--	0	0	200	17	0	200
OU2MW-45I2	40.0 - 45.0	--	--	0	0	39	3	0	39
OU2MW-45D	55.0 - 60.0	--	--	0	0	13	1	0	13
OU2MW-46S	5.0 - 15.0	--	--	0	0	31	2	0	31
OU2MW-46I	20.0 - 25.0	--	--	0	0	2,503	293	0	2,503
OU2MW-46I2	40.0 - 45.0	--	--	0	0	56	4	0	56
OU2MW-47S	5.0 - 15.0	0	0	0	0	56	3	0	56
OU2MW-47I	20.0 - 25.0	0	0	0	0	1,043	102	0	1,043
OU2MW-47I2	40.0 - 45.0	0	0	0	0	6,146	546	0	6,146
OU2MW-47D	60.0 - 65.0	0	0	0	0	7,437	1,485	0	7,437
OU2MW-55S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	0	0	0	0	111	9	0	111
OU2MW-55I2	50.0 - 55.0	0	0	0	0	336	30	0	336
OU2MW-55D	65.0 - 70.0	0	1	0	0	252	42	0	252

Table 4-7
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012	2013						
		Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-56S	5.0 - 15.0	--	--	2	0	0	0	0	2
OU2MW-56I	25.0 - 30.0	--	--	0	0	6	1	0	6
OU2MW-56I2	45.0 - 50.0	--	--	0	0	8	1	0	8
OU2MW-56D	65.0 - 70.0	--	--	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2000	2002			2003		2004	
Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar		
BBMW-03S	3.0 - 13.0	--	--	0	--	2	0	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	2	--	1	0	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	3	--	3	0	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	5	0	0	116	241	160
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	58	0	0	0	0	0
BBMW-25I	25.0 - 35.0	--	--	--	--	--	1,034	533	1,330	980	1,707	1,304
BBMW-25D	62.0 - 72.0	--	--	--	--	--	45	--	59	75	44	29
GM-05S	5.1 - 20.1	0	422	283	124	27	106	307	87	367	0	0
GM-05I	35.05 - 48.05	0	0	2	0	0	0	0	0	--	0	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,090	1,056	433	348	250	824	454	692
GMP-02	18.0 - 23.0	--	--	--	1,387	321	197	2,268	710	2,275	1,194	1,735
GMP-04	15.5 - 20.5	--	--	--	60	67	44	82	0	11	12	331
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2000	2002			2003		2004	
Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar		
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004			2005				2006			
		Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-03S	3.0 - 13.0	--	0	0	--	--	0	--	0	0	0	0
BBMW-03I	30.0 - 40.0	--	0	0	--	--	0	--	0	0	0	0
BBMW-03D	52.0 - 62.0	--	--	0	--	--	0	--	0	0	0	0
BBMW-07S	5.0 - 15.0	11	39	20	0	--	--	0	0	0	37	0
BBMW-07I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	0	0	0	--	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	936	865	1,007	1,995	--	1,082	1,360	264	0	79	344
BBMW-25D	62.0 - 72.0	20	0	110	78	--	47	--	11	21	78	76
GM-05S	5.1 - 20.1	0	157	0	134	0	40	57	140	21	0	12
GM-05I	35.05 - 48.05	--	0	0	--	--	--	--	0	--	--	--
GM-05D	60.95 - 75.95	--	0	--	--	--	--	--	0	--	--	--
GMP-01	25.0 - 30.0	455	587	200	2,130	3,200	1,280	250	562	577	1,156	4,726
GMP-02	18.0 - 23.0	913	660	24	1,318	1,090	550	311	151	11	12	0
GMP-04	15.5 - 20.5	385	345	1,483	263	214	366	1,132	242	83	242	280
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	1,243	--	348	176	988	288
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	77	--	767	170	170	424
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	25	--	195	126	52	51
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	100	--	181	111	282	573
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	477	--	370	415	493	459
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	10	--	0	0	0	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	151	--	530	234	225	206
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	0	--	0	0	0	182
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	3,130	--	844	740	1,176	386
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	267	--	885	296	23	0
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	41	--	32	0	0	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	--	1,120	--	224	254	1,039	3,159
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	1,085	--	11	0	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	35	--	59	39	0	35
OU2MW-09	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004			2005				2006			
		Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007				2008				2009		
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-03S	3.0 - 13.0	393	0	0	0	0	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	0	--	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	25	0	--	0	0	0	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	0	2	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	0	150	252	41	158	169	101	523	469	301	46
BBMW-25D	62.0 - 72.0	0	0	16	6	2	6	8	8	35	32	2
GM-05S	5.1 - 20.1	0	2	0	14	185	55	16	113	8	36	11
GM-05I	35.05 - 48.05	0	0	13	0	0	0	0	0	0	0	0
GM-05D	60.95 - 75.95	0	0	0	0	4	0	0	0	2	0	0
GMP-01	25.0 - 30.0	185	169	49	135	182	94	170	655	762	869	432
GMP-02	18.0 - 23.0	0	0	0	0	3	4	0	0	0	0	0
GMP-04	15.5 - 20.5	652	36	295	264	15	0	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	--	--	0	0	0	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	876	46	182	102	42	6	15	82	69	334	107
OU2MW-01I	35.0 - 40.0	885	443	408	85	8	1	13	10	2	195	186
OU2MW-01I2	50.0 - 55.0	51	31	0	0	0	0	0	0	0	0	3
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	27	270	137	1	29	52	20	6	5	184	46
OU2MW-02I	35.0 - 40.0	645	260	410	229	377	412	281	359	370	335	350
OU2MW-02I2	50.0 - 55.0	0	0	0	1	11	0	2	1	3	2	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	0	1,108	223	9	45	94	42	53	30	99	48
OU2MW-03I	35.0 - 40.0	0	0	0	0	0	0	85	1,262	366	15	0
OU2MW-03I2	50.0 - 55.0	11	29	0	0	0	0	0	0	5	38	10
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	0	0	0	0	0	0	10	0	0	0
OU2MW-04S	20.0 - 25.0	421	873	253	600	791	200	200	730	841	891	654
OU2MW-04I	35.0 - 40.0	134	244	252	158	174	25	67	120	97	198	28
OU2MW-04I2	50.0 - 55.0	0	5	0	0	0	0	0	0	0	189	1
OU2MW-04D	65.0 - 70.0	0	0	0	3	2	1	0	1	2	0	0
OU2MW-05	25.0 - 35.0	280	188	110	202	221	158	181	514	466	290	369
OU2MW-06S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	53	0	0	0	11	3	0	2	0	0	0
OU2MW-07S	3.0 - 8.0	--	0	0	0	1	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	0	3	0	1	15	3	3	0	0	2	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	3	0	278	906	14	10	143	76	33	32
OU2MW-10D	35.0 - 40.0	--	0	0	0	0	198	39	351	78	0	28
OU2MW-11S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007				2008				2009		
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-11I	20.0 - 25.0	--	168	13	356	245	263	249	227	170	132	69
OU2MW-11I2	30.0 - 35.0	--	293	329	43	67	33	41	81	98	25	1
OU2MW-11D	40.0 - 45.0	--	3	0	0	0	0	0	0	8	5	20
OU2MW-12S	3.0 - 7.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	--	466	143	70	70	81	78	62	107	48	139
OU2MW-12I2	30.0 - 35.0	--	30	2	7	23	2	0	0	53	19	7
OU2MW-12D	40.0 - 45.0	--	23	13	21	17	11	0	0	0	0	0
OU2MW-13S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	29	9	0	7	4	1	7	13	3	22
OU2MW-13D	35.0 - 40.0	--	4	27	5	0	10	10	0	34	13	29
OU2MW-14S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	795	32	1	40	8	6	14	0	63	175
OU2MW-15I2	30.0 - 35.0	--	0	599	367	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	79	1	11	0	0	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	--	0	9	53	6	2	0	0	0	0	84
OU2MW-16D	35.0 - 40.0	--	0	0	0	149	0	0	1	0	2	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	128	0
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	0	0

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 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2009	2010				2011				2012	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	1	1	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	18	6	0	0	0	0	0	0	0	0	0
BBMW-25D	62.0 - 72.0	4	15	9	0	0	0	23	7	1	1	1
GM-05S	5.1 - 20.1	6	8	7	13	2	0	0	1	0	0	0
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	0	0	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	0
GMP-01	25.0 - 30.0	372	535	247	93	37	68	7	12	2	0	0
GMP-02	18.0 - 23.0	0	0	0	3	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	0	0	0	0	3	0	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	2	0	4	0	0	0	0	0	0	0	0
OU2MW-01I	35.0 - 40.0	4	2	0	0	0	0	0	0	0	3	1
OU2MW-01I2	50.0 - 55.0	1	0	47	14	10	0	0	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	72	0	0	0	0	0	1	0
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02I	35.0 - 40.0	154	378	118	136	179	137	130	97	107	61	50
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	2
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	4	0	0	0
OU2MW-03S	20.0 - 25.0	90	13	0	7	0	0	0	0	0	0	0
OU2MW-03I	35.0 - 40.0	14	158	219	0	0	0	0	0	0	0	0
OU2MW-03I2	50.0 - 55.0	8	2	0	0	0	0	0	0	0	0	0
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	818	345	70	89	51	0	0	0	0	0	0
OU2MW-04I	35.0 - 40.0	22	68	68	17	34	123	121	115	136	118	70
OU2MW-04I2	50.0 - 55.0	0	63	36	7	0	0	0	0	8	0	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	242	94	137	139	51	30	8	18	11	2	6
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	3	0	0	0	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	0	4	53	0	0	0	0	0	0	9	1
OU2MW-09	30.0 - 40.0	0	0	1	0	0	0	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	36	0	41	529	326	140	192	13	2	0	0
OU2MW-10D	35.0 - 40.0	43	0	2	65	120	4	0	0	0	0	0
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	--	0	0	0	2	3

Table 4-8
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009	2010				2011				2012		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
OU2MW-11I	20.0 - 25.0	153	48	187	55	73	91	27	2	0	0	3	
OU2MW-11I2	30.0 - 35.0	66	10	0	0	24	9	4	8	18	18	3	
OU2MW-11D	40.0 - 45.0	18	26	56	39	1	14	19	92	1	5	87	
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	2	0	
OU2MW-12I	20.0 - 25.0	96	77	13	35	121	60	5	0	0	0	0	
OU2MW-12I2	30.0 - 35.0	58	0	2	37	3	26	5	0	3	0	0	
OU2MW-12D	40.0 - 45.0	0	0	80	73	49	0	15	16	4	2	0	
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-13I	20.0 - 25.0	0	19	8	3	0	2	1	0	0	0	0	
OU2MW-13D	35.0 - 40.0	23	9	10	8	24	10	2	1	0	8	0	
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-15I	20.0 - 25.0	3	0	0	73	6	12	83	0	0	0	9	
OU2MW-15I2	30.0 - 35.0	0	0	0	0	184	0	0	0	0	0	0	
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	0	0	26	0	0	0	
OU2MW-16I2	25.0 - 30.0	0	0	0	22	0	5	0	0	4	0	0	
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	0	0	0	20	0	0	
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-52I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53D	35.0 - 40.0	0	2	0	0	0	0	0	0	3	0	0	

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012		2013						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03S	3.0 - 13.0	0	--	--	0	0	393	12	0	393
BBMW-03I	30.0 - 40.0	0	--	--	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	--	--	0	0	3	0	0	3
BBMW-07S	5.0 - 15.0	0	--	--	0	0	241	16	0	241
BBMW-07I	30.0 - 40.0	0	--	--	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	--	--	0	0	25	1	0	25
BBMW-25S	4.0 - 14.0	0	--	--	0	0	58	2	0	58
BBMW-25I	25.0 - 35.0	0	--	--	0	0	1,995	437	0	1,995
BBMW-25D	62.0 - 72.0	0	0	0	0	0	110	22	0	110
GM-05S	5.1 - 20.1	0	--	--	0	0	422	61	0	422
GM-05I	35.05 - 48.05	0	--	--	0	0	13	0	0	13
GM-05D	60.95 - 75.95	0	--	--	0	0	4	0	0	4
GMP-01	25.0 - 30.0	0	0	0	0	0	4,726	576	0	4,726
GMP-02	18.0 - 23.0	0	--	--	0	0	2,275	360	0	2,275
GMP-04	15.5 - 20.5	0	--	--	0	0	1,483	164	0	1,483
OU2IW-01S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	0	--	--	0	0	1,243	175	0	1,243
OU2MW-01I	35.0 - 40.0	0	--	--	0	0	885	138	0	885
OU2MW-01I2	50.0 - 55.0	0	--	--	0	0	195	22	0	195
OU2MW-01D	65.0 - 70.0	0	--	--	0	0	72	3	0	72
OU2MW-02S	20.0 - 25.0	1	0	0	0	0	573	68	0	573
OU2MW-02I	35.0 - 40.0	56	46	32	11	32	645	264	11	645
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	11	1	0	11
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	4	0	0	4
OU2MW-03S	20.0 - 25.0	0	--	--	0	0	1,108	115	0	1,108
OU2MW-03I	35.0 - 40.0	0	--	--	0	0	1,262	82	0	1,262
OU2MW-03I2	50.0 - 55.0	0	--	--	0	0	38	4	0	38
OU2MW-03D	65.0 - 70.0	0	--	--	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	--	--	0	0	10	0	0	10
OU2MW-04S	20.0 - 25.0	0	0	0	0	0	3,130	470	0	3,130
OU2MW-04I	35.0 - 40.0	35	32	22	20	0	885	132	0	885
OU2MW-04I2	50.0 - 55.0	0	0	0	0	0	189	13	0	189
OU2MW-04D	65.0 - 70.0	0	--	--	0	0	3	0	0	3
OU2MW-05	25.0 - 35.0	0	0	0	0	0	3,159	317	0	3,159
OU2MW-06S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	--	--	0	0	1,085	42	0	1,085
OU2MW-07S	3.0 - 8.0	0	--	--	0	0	1	0	0	1
OU2MW-07	15.0 - 25.0	0	0	0	0	0	59	9	0	59
OU2MW-09	30.0 - 40.0	0	--	--	0	0	1	0	0	1
OU2MW-10S	3.0 - 7.0	0	--	--	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	0	3	2	0	0	906	116	0	906
OU2MW-10D	35.0 - 40.0	0	--	--	0	0	351	42	0	351
OU2MW-11S	3.0 - 8.0	0	--	--	0	0	3	0	0	3

Table 4-8
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012		2013						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-11I	20.0 - 25.0	1	0	--	0	0	356	110	0	356
OU2MW-11I2	30.0 - 35.0	14	0	0	0	0	329	49	0	329
OU2MW-11D	40.0 - 45.0	50	10	5	15	0	92	19	0	92
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	2	0	0	2
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	466	70	0	466
OU2MW-12I2	30.0 - 35.0	5	0	0	0	0	58	12	0	58
OU2MW-12D	40.0 - 45.0	0	5	3	3	0	80	14	0	80
OU2MW-13S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	0	--	--	0	0	29	6	0	29
OU2MW-13D	35.0 - 40.0	3	3	2	0	0	34	10	0	34
OU2MW-14S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	261	--	194	13	0	261	23	0	261
OU2MW-14I2	45.0 - 50.0	1	--	--	0	0	1	0	0	1
OU2MW-15S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	279	18	4	0	0	795	68	0	795
OU2MW-15I2	30.0 - 35.0	0	--	--	0	0	599	52	0	599
OU2MW-15D	40.0 - 45.0	0	--	--	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	--	0	0	79	5	0	79
OU2MW-16I2	25.0 - 30.0	0	0	1	0	0	84	8	0	84
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	149	7	0	149
OU2MW-52S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	0	--	--	0	0	128	9	0	128
OU2MW-52D	35.0 - 40.0	0	--	--	0	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	0	--	0	--	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	3	0	0	3

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2000	2002			2003		2004	
Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar		
BBMW-03S	3.0 - 13.0	--	--	0	--	0	0	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	0	--	2	0	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	0	--	0	0	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	6	0	710	170	62	24
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	22	0	0	0	--	0
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900	4,700	--	4,860
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280	1,550	298	135
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858	230	--	0
GM-05I	35.05 - 48.05	0	4	14	0	0	0	0	0	--	--	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,590	2,270	1,336	230	880	270	1,001	421
GMP-02	18.0 - 23.0	--	--	--	2,764	4,216	3,447	6,788	3,300	4,000	7,010	3,772
GMP-04	15.5 - 20.5	--	--	--	290	1,135	287	113	0	430	44	459
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2000	2002			2003		2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004			2005				2006			
		Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
BBMW-03S	3.0 - 13.0	--	0	0	--	--	0	--	0	0	0	0
BBMW-03I	30.0 - 40.0	--	0	0	--	--	0	--	0	0	0	0
BBMW-03D	52.0 - 62.0	--	--	186	--	--	0	--	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	--	--	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	0	14	0	--	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	7,761	7,840	3,902	4,937	--	3,621	5,472	1,560	0	37	488
BBMW-25D	62.0 - 72.0	144	101	588	223	--	390	--	308	179	160	384
GM-05S	5.1 - 20.1	0	635	0	312	0	366	0	34	0	0	0
GM-05I	35.05 - 48.05	--	51	0	--	--	--	--	0	--	--	--
GM-05D	60.95 - 75.95	--	28	--	--	--	--	--	0	--	--	--
GMP-01	25.0 - 30.0	1,281	266	6,514	2,595	1,241	6,419	10,183	9,385	9,261	5,555	3,936
GMP-02	18.0 - 23.0	6,967	5,213	5,460	3,008	3,459	8,837	151	0	0	10	11
GMP-04	15.5 - 20.5	206	235	1,372	601	77	369	1,720	41	22	573	232
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	6,927	--	464	457	1,230	104
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	5,507	--	8,222	3,717	879	495
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	58	--	1,249	0	0	100
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	162	--	311	209	164	424
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	2,541	--	3,413	3,609	5,251	3,012
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	22	--	11	0	0	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	15	--	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	401	--	339	353	181	379
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	67	--	0	0	0	49
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	0	--	36	16	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	4,034	--	12,611	7,351	10,538	2,774
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	5,444	--	6,438	3,795	1,107	0
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	375	--	115	101	57	78
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	--	4,711	--	8,049	5,125	4,314	4,149
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	9,241	--	19	0	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	66	--	69	0	0	0
OU2MW-09	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004			2005				2006			
		Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007				2008				2009		
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-03S	3.0 - 13.0	283	0	0	0	0	0	1	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	7	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	3	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	0	--	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	873	0	--	0	2	0	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	10	0	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	11	102	457	2	181	48	86	478	741	1,219	105
BBMW-25D	62.0 - 72.0	0	0	3	1	0	0	59	0	0	0	0
GM-05S	5.1 - 20.1	0	--	0	13	25	30	7	35	5	19	9
GM-05I	35.05 - 48.05	0	0	7	0	0	0	0	0	0	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	0
GMP-01	25.0 - 30.0	4,019	--	159	4,428	3,967	2,020	778	275	719	1,049	651
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	1,380	52	1,523	1,467	1	0	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	--	--	0	0	48	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	--	70	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	321	67	2,023	2,000	48	0	0	0	0	1,487	1,953
OU2MW-01I	35.0 - 40.0	120	442	90	2,222	15	0	25	4	0	702	109
OU2MW-01I2	50.0 - 55.0	0	488	7	4	0	0	0	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	0	154	155	27	57	96	46	8	33	146	44
OU2MW-02I	35.0 - 40.0	1,943	3,567	1,835	2,947	3,129	43	2,981	151	2,129	1,993	2,385
OU2MW-02I2	50.0 - 55.0	0	16	0	11	30	1	12	0	6	0	0
OU2MW-02D	65.0 - 70.0	0	0	17	0	0	0	0	0	0	0	4
OU2MW-03S	20.0 - 25.0	0	317	201	49	87	61	79	85	80	157	118
OU2MW-03I	35.0 - 40.0	0	0	0	0	0	7	0	95	146	0	0
OU2MW-03I2	50.0 - 55.0	0	144	4	1	0	0	0	0	0	0	0
OU2MW-03D	65.0 - 70.0	0	0	0	6	3	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	6,802	8,445	3,794	4,145	2,666	2,936	3,901	334	641	3,565	3,770
OU2MW-04I	35.0 - 40.0	0	332	3,260	547	4,051	0	36	0	98	2	0
OU2MW-04I2	50.0 - 55.0	0	19	16	2	0	23	0	0	0	1,340	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	1,980	2,164	247	3,412	491	516	50	456	353	376	735
OU2MW-06S	3.0 - 8.0	--	0	10	0	0	0	6	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	0	3	6	0	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	--	0	0	7	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	0	0	0	37	0	0	0	0	0	0	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	11	0	0
OU2MW-10S	3.0 - 7.0	--	0	0	0	0	5	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	4	0	297	201	1	0	2	29	22	3
OU2MW-10D	35.0 - 40.0	--	0	0	0	0	413	32	727	0	1	49
OU2MW-11S	3.0 - 8.0	--	0	0	0	2	0	0	4	0	0	0

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007				2008				2009		
		Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-11I	20.0 - 25.0	--	1,077	112	3,627	865	1,977	1,030	663	1,323	428	46
OU2MW-11I2	30.0 - 35.0	--	426	2,412	52	0	0	275	264	1,011	131	9
OU2MW-11D	40.0 - 45.0	--	8	7	5	0	0	0	0	9	0	54
OU2MW-12S	3.0 - 7.0	--	1	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	--	1,646	888	147	268	137	122	79	513	53	123
OU2MW-12I2	30.0 - 35.0	--	224	3	7	30	5	0	0	720	39	15
OU2MW-12D	40.0 - 45.0	--	108	79	39	44	35	0	0	2	0	0
OU2MW-13S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	33	12	10	1	7	1	15	8	6	7
OU2MW-13D	35.0 - 40.0	--	13	15	2	1	4	2	0	21	18	31
OU2MW-14S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	2	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	261	86	8	34	0	0	0	0	1	219
OU2MW-15I2	30.0 - 35.0	--	0	320	76	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	0	0	0	0	0	0	2	0	0	0
OU2MW-16S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	22	5	0	0	0	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	--	4	12	16	1	0	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	--	0	0	0	102	0	0	0	0	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	101	0
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	0	0

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009		2010				2011				2012	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	2	0	0	
BBMW-03D	52.0 - 62.0	0	0	25	2	0	0	0	0	0	0	0	
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	5	
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	1	
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	2	
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	1	
BBMW-25I	25.0 - 35.0	11	3	0	0	0	0	0	0	0	0	0	
BBMW-25D	62.0 - 72.0	0	0	8	0	0	0	0	7	54	20	31	
GM-05S	5.1 - 20.1	19	2	0	25	1	0	0	0	0	0	0	
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	0	0	0	0	
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	0	
GMP-01	25.0 - 30.0	175	1,916	1,228	921	276	720	65	70	15	16	5	
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0	
GMP-04	15.5 - 20.5	0	0	0	0	0	0	0	0	0	0	0	
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	2	0	0	0	
OU2MW-01S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	3	
OU2MW-01I	35.0 - 40.0	0	0	0	0	0	0	0	0	0	10	0	
OU2MW-01I2	50.0 - 55.0	0	0	364	0	0	0	0	0	0	0	2	
OU2MW-01D	65.0 - 70.0	0	0	0	135	0	0	0	1	0	0	0	
OU2MW-02S	20.0 - 25.0	0	0	6	0	0	0	1	0	0	0	48	
OU2MW-02I	35.0 - 40.0	748	2,515	1,278	1,232	1,329	733	76	1,764	1,097	1,161	698	
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	8	
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	15	0	0	0	
OU2MW-03S	20.0 - 25.0	142	71	20	16	1	3	5	0	3	0	1	
OU2MW-03I	35.0 - 40.0	6	56	61	0	0	0	0	0	0	0	3	
OU2MW-03I2	50.0 - 55.0	1	0	0	0	0	0	0	0	0	0	1	
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-04S	20.0 - 25.0	3,393	4,529	352	152	170	40	51	17	22	34	10	
OU2MW-04I	35.0 - 40.0	10	241	0	0	252	32	1,789	0	2,047	2,666	1,294	
OU2MW-04I2	50.0 - 55.0	4	536	14	0	0	0	0	0	0	6	0	
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	3	0	0	
OU2MW-05	25.0 - 35.0	19	288	484	335	957	86	33	75	92	30	34	
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-06	15.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-07	15.0 - 25.0	0	0	0	0	0	0	0	0	0	68	3	
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	1	
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-10I	20.0 - 25.0	54	12	37	149	597	76	167	57	21	0	12	
OU2MW-10D	35.0 - 40.0	5	0	0	23	22	0	0	0	0	0	0	
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	--	0	0	0	0	1	

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009	2010				2011				2012		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
OU2MW-11I	20.0 - 25.0	1,141	220	26	125	565	38	16	19	0	0	1	
OU2MW-11I2	30.0 - 35.0	193	6	0	1	27	11	2	55	126	89	18	
OU2MW-11D	40.0 - 45.0	69	40	77	63	0	9	35	842	5	3	1,018	
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-12I	20.0 - 25.0	7	851	8	11	159	44	0	0	0	0	0	
OU2MW-12I2	30.0 - 35.0	3	2	2	58	9	18	7	0	13	3	10	
OU2MW-12D	40.0 - 45.0	0	0	992	197	141	1	80	112	6	2	0	
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-13I	20.0 - 25.0	0	15	36	41	0	7	18	7	0	0	0	
OU2MW-13D	35.0 - 40.0	24	21	15	15	17	14	7	9	0	78	24	
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	2	
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	2	
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	1	
OU2MW-15I	20.0 - 25.0	24	0	0	33	1	2	4	0	0	0	0	
OU2MW-15I2	30.0 - 35.0	0	0	0	0	77	0	0	0	0	0	0	
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	0	0	17	0	0	0	
OU2MW-16I2	25.0 - 30.0	0	0	0	26	0	0	0	0	0	0	1	
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	0	0	0	40	0	1	
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-52I	20.0 - 25.0	0	25	0	0	0	0	0	0	0	0	0	
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012		2013						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03S	3.0 - 13.0	0	--	--	0	0	283	9	0	283
BBMW-03I	30.0 - 40.0	0	--	--	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	--	--	0	0	186	7	0	186
BBMW-07S	5.0 - 15.0	0	--	--	0	0	710	25	0	710
BBMW-07I	30.0 - 40.0	0	--	--	0	0	1	0	0	1
BBMW-07D	55.0 - 65.0	0	--	--	0	0	873	37	0	873
BBMW-25S	4.0 - 14.0	0	--	--	0	0	22	1	0	22
BBMW-25I	25.0 - 35.0	0	--	--	0	0	10,185	1,872	0	10,185
BBMW-25D	62.0 - 72.0	0	10	19	1	0	1,553	167	0	1,553
GM-05S	5.1 - 20.1	0	--	--	0	0	2,453	210	0	2,453
GM-05I	35.05 - 48.05	0	--	--	0	0	51	2	0	51
GM-05D	60.95 - 75.95	0	--	--	0	0	28	1	0	28
GMP-01	25.0 - 30.0	12	3	0	2	0	10,183	2,049	0	10,183
GMP-02	18.0 - 23.0	0	--	--	0	0	8,837	1,629	0	8,837
GMP-04	15.5 - 20.5	0	--	--	0	0	1,720	301	0	1,720
OU2IW-01S	3.0 - 8.0	0	--	--	0	0	48	2	0	48
OU2MW-01WT	3.0 - 8.0	0	--	--	0	0	70	3	0	70
OU2MW-01S	20.0 - 25.0	0	--	--	0	0	6,927	610	0	6,927
OU2MW-01I	35.0 - 40.0	0	--	--	0	0	8,222	806	0	8,222
OU2MW-01I2	50.0 - 55.0	2	--	--	11	0	1,249	81	0	1,249
OU2MW-01D	65.0 - 70.0	0	--	--	0	0	135	5	0	135
OU2MW-02S	20.0 - 25.0	57	0	0	0	0	424	72	0	424
OU2MW-02I	35.0 - 40.0	926	561	119	38	43	5,251	1,839	38	5,251
OU2MW-02I2	50.0 - 55.0	2	3	2	0	0	30	4	0	30
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	17	2	0	17
OU2MW-03S	20.0 - 25.0	0	--	--	0	0	401	112	0	401
OU2MW-03I	35.0 - 40.0	0	--	--	0	0	146	18	0	146
OU2MW-03I2	50.0 - 55.0	0	--	--	0	0	144	7	0	144
OU2MW-03D	65.0 - 70.0	0	--	--	0	0	6	0	0	6
OU2MW-04WT	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	8	2	1	0	1	12,611	2,903	0	12,611
OU2MW-04I	35.0 - 40.0	506	152	96	102	0	6,438	1,140	0	6,438
OU2MW-04I2	50.0 - 55.0	0	0	3	0	0	1,340	90	0	1,340
OU2MW-04D	65.0 - 70.0	0	--	--	0	0	3	0	0	3
OU2MW-05	25.0 - 35.0	7	2	0	0	0	8,049	1,319	0	8,049
OU2MW-06S	3.0 - 8.0	0	--	--	0	0	10	1	0	10
OU2MW-06	15.0 - 25.0	0	--	--	0	0	9,241	331	0	9,241
OU2MW-07S	3.0 - 8.0	0	--	--	0	0	7	0	0	7
OU2MW-07	15.0 - 25.0	0	0	0	0	0	69	8	0	69
OU2MW-09	30.0 - 40.0	0	--	--	0	0	11	0	0	11
OU2MW-10S	3.0 - 7.0	0	--	--	0	0	5	0	0	5
OU2MW-10I	20.0 - 25.0	0	0	10	10	0	597	73	0	597
OU2MW-10D	35.0 - 40.0	0	--	--	0	0	727	58	0	727
OU2MW-11S	3.0 - 8.0	0	--	--	0	0	4	0	0	4

Table 4-9
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012		2013						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-11I	20.0 - 25.0	0	0	--	0	0	3,627	578	0	3,627
OU2MW-11I2	30.0 - 35.0	83	0	0	0	0	2,412	216	0	2,412
OU2MW-11D	40.0 - 45.0	136	45	26	80	0	1,018	102	0	1,018
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	1	0	0	1
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	1,646	211	0	1,646
OU2MW-12I2	30.0 - 35.0	30	1	7	2	0	720	50	0	720
OU2MW-12D	40.0 - 45.0	0	9	6	14	0	992	77	0	992
OU2MW-13S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	0	--	--	0	0	41	10	0	41
OU2MW-13D	35.0 - 40.0	73	24	7	0	0	78	18	0	78
OU2MW-14S	3.0 - 8.0	0	--	--	0	0	2	0	0	2
OU2MW-14I	20.0 - 25.0	14	--	29	16	0	29	2	0	29
OU2MW-14I2	45.0 - 50.0	0	--	--	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	--	--	0	0	1	0	0	1
OU2MW-15I	20.0 - 25.0	32	53	21	3	0	261	32	0	261
OU2MW-15I2	30.0 - 35.0	0	--	--	0	0	320	22	0	320
OU2MW-15D	40.0 - 45.0	0	--	--	0	0	2	0	0	2
OU2MW-16S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	--	0	0	22	2	0	22
OU2MW-16I2	25.0 - 30.0	0	0	0	0	0	26	3	0	26
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	102	6	0	102
OU2MW-52S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	0	--	--	0	0	101	9	0	101
OU2MW-52D	35.0 - 40.0	0	--	--	0	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	0	--	--	0	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	0	--	--	0	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	DUP-04 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01D
Start Depth		5	5	32	32	32	68.5	68.5	68.5	68.5
End Depth		15	15	42	42	42	78.5	78.5	78.5	78.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	4/30/2013	8/13/2012	4/30/2013	4/30/2013	8/13/2012	11/30/2012	1/30/2013	6/28/2013
Parent Sample Code					BBMW-01I					
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	2	1 U	1	1
Toluene	5	1 U	1 U	1 U	1 U	1 U	18	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	18	1 U	6	4
o-Xylene	5	1 U	NA	1 U	NA	NA	45	NA	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	NA	41	NA	NA	NA
Total Xylene	5	NA	1 U	NA	3	3	NA	1 U	2	2
Total BTEX (ND=0)	NE	ND	ND	ND	3	3	124	ND	9	7
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Acetone	50*	5 U	NA	5 U	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	NA	500 U	NA	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	NA	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	DUP-04 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01D
Start Depth		5	5	32	32	32	68.5	68.5	68.5	68.5
End Depth		15	15	42	42	42	78.5	78.5	78.5	78.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	4/30/2013	8/13/2012	4/30/2013	4/30/2013	8/13/2012	11/30/2012	1/30/2013	6/28/2013
Parent Sample Code					BBMW-01I					
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	1	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	NA	440 D	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	2	NA	NA	NA
Styrene	5	1 U	NA	1 U	NA	NA	62	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	2 J	NA	10 U	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	14	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	8	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	5 J	6 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	23	23	11	1 J	1 J	2 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	1 J	1 J	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	54	56	7 J	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	540	500	400 D	10	29	28
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	623	586	418	11	30	30

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	DUP-04 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01D
Start Depth		5	5	32	32	32	68.5	68.5	68.5	68.5
End Depth		15	15	42	42	42	78.5	78.5	78.5	78.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	4/30/2013	8/13/2012	4/30/2013	4/30/2013	8/13/2012	11/30/2012	1/30/2013	6/28/2013
Parent Sample Code					BBMW-01I					
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		DUP-26 Q2	BBMW-02S	BBMW-02S	BBMW-02I	BBMW-02I	BBMW-02D	BBMW-02D	BBMW-03S	BBMW-03S
Start Depth		68.5	5	5	30	30	73	73	3	3
End Depth		78.5	15	15	40	40	83	83	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/28/2013	8/15/2012	4/18/2013	8/16/2012	4/16/2013	8/16/2012	4/16/2013	9/14/2012	5/2/2013
Parent Sample Code	BBMW-01D									
BTEX (µg/L)										
Benzene	1	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	8	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	5 U	NA	1 J	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		DUP-26 Q2	BBMW-02S	BBMW-02S	BBMW-02I	BBMW-02I	BBMW-02D	BBMW-02D	BBMW-03S	BBMW-03S
Start Depth		68.5	5	5	30	30	73	73	3	3
End Depth		78.5	15	15	40	40	83	83	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/28/2013	8/15/2012	4/18/2013	8/16/2012	4/16/2013	8/16/2012	4/16/2013	9/14/2012	5/2/2013
Parent Sample Code	BBMW-01D									
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Naphthalene	10*	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	27	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		DUP-26 Q2	BBMW-02S	BBMW-02S	BBMW-02I	BBMW-02I	BBMW-02D	BBMW-02D	BBMW-03S	BBMW-03S
Start Depth		68.5	5	5	30	30	73	73	3	3
End Depth		78.5	15	15	40	40	83	83	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/28/2013	8/15/2012	4/18/2013	8/16/2012	4/16/2013	8/16/2012	4/16/2013	9/14/2012	5/2/2013
Parent Sample Code		BBMW-01D								
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-03I	BBMW-03I	BBMW-03D	BBMW-03D	BBMW-07S	DUP-20 Q3	BBMW-07S	BBMW-07I	BBMW-07I
Start Depth		30	30	52	52	5	5	5	30	30
End Depth		40	40	62	62	15	15	15	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/2/2013	9/10/2012	5/2/2013	9/11/2012	9/11/2012	5/23/2013	9/11/2012	5/23/2013
Parent Sample Code						BBMW-07S				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Acetone	50*	1 J	NA	1 J	NA	5 U	5 U	NA	5 U	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	500 U	NA	500 U	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	500 U	NA	500 U	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	5 U	NA	5 U	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-03I	BBMW-03I	BBMW-03D	BBMW-03D	BBMW-07S	DUP-20 Q3	BBMW-07S	BBMW-07I	BBMW-07I
Start Depth		30	30	52	52	5	5	5	30	30
End Depth		40	40	62	62	15	15	15	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/2/2013	9/10/2012	5/2/2013	9/11/2012	9/11/2012	5/23/2013	9/11/2012	5/23/2013
Parent Sample Code						BBMW-07S				
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	5 U	NA	5 U	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	2 U	NA	2 U	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	500 U	NA	500 U	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Styrene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-03I	BBMW-03I	BBMW-03D	BBMW-03D	BBMW-07S	DUP-20 Q3	BBMW-07S	BBMW-07I	BBMW-07I
Start Depth		30	30	52	52	5	5	5	30	30
End Depth		40	40	62	62	15	15	15	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/2/2013	9/10/2012	5/2/2013	9/11/2012	9/11/2012	5/23/2013	9/11/2012	5/23/2013
Parent Sample Code						BBMW-07S				
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		BBMW-07D	BBMW-07D	BBMW-15S	BBMW-15S	BBMW-15I	BBMW-15I	BBMW-15I2	BBMW-15I2	BBMW-15D
Start Depth		55	55	5	5	23	23	35	35	70
End Depth		65	65	15	15	28	28	45	45	80
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/11/2012	5/23/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	5 U	NA	2 J	NA	5 U	NA	5 U	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		BBMW-07D	BBMW-07D	BBMW-15S	BBMW-15S	BBMW-15I	BBMW-15I	BBMW-15I2	BBMW-15I2	BBMW-15D
Start Depth		55	55	5	5	23	23	35	35	70
End Depth		65	65	15	15	28	28	45	45	80
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/11/2012	5/23/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	5 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		BBMW-07D	BBMW-07D	BBMW-15S	BBMW-15S	BBMW-15I	BBMW-15I	BBMW-15I2	BBMW-15I2	BBMW-15D
Start Depth		55	55	5	5	23	23	35	35	70
End Depth		65	65	15	15	28	28	45	45	80
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/11/2012	5/23/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012	4/19/2013	8/13/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-15D	BBMW-16S	BBMW-16S	BBMW-16I	BBMW-16I	BBMW-16D	BBMW-16D	BBMW-23S	BBMW-23S
Start Depth		70	5	5	35	35	68	68	5	5
End Depth		80	15	15	45	45	78	78	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/19/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	10/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	9	7
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1600 D	1600 D
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	160	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	800 D	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	870 D
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	2569	2477
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-15D	BBMW-16S	BBMW-16S	BBMW-16I	BBMW-16I	BBMW-16D	BBMW-16D	BBMW-23S	BBMW-23S
Start Depth		70	5	5	35	35	68	68	5	5
End Depth		80	15	15	45	45	78	78	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/19/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	10/17/2012
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	91	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	540 D	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	31	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	250 D	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	68	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	8 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	4 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22	22
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	380 D	380 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J	7 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	3 J
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	436	429

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-15D	BBMW-16S	BBMW-16S	BBMW-16I	BBMW-16I	BBMW-16D	BBMW-16D	BBMW-23S	BBMW-23S
Start Depth		70	5	5	35	35	68	68	5	5
End Depth		80	15	15	45	45	78	78	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/19/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	5/6/2013	8/14/2012	10/17/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23D	BBMW-23D	DUP-04 Q4
Start Depth		5	5	33	33	33	33	49.5	49.5	49.5
End Depth		15	15	43	43	43	43	59.5	59.5	59.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	10/17/2012	1/2/2013	4/30/2013	8/14/2012	10/17/2012	10/17/2012
Parent Sample Code										BBMW-23D
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	7	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1100 D	2700	1 U	1 U	1 U	49	1 U	2	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Total Xylene	5	560 D	2500	NA	1 U	1 U	51	NA	1 U	1
Total BTEX (ND=0)	NE	1667	5214	ND	ND	ND	100	ND	2	1
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23D	BBMW-23D	DUP-04 Q4
Start Depth		5	5	33	33	33	33	49.5	49.5	49.5
End Depth		15	15	43	43	43	43	59.5	59.5	59.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	10/17/2012	1/2/2013	4/30/2013	8/14/2012	10/17/2012	10/17/2012
Parent Sample Code										BBMW-23D
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	6	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	8 J	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	4 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	23	25	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Naphthalene	10*	410 D	480	10 U	10 U	10 U	10	6 J	6 J	7 J
Phenanthrene	50*	7 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	460	525	ND	ND	ND	10	6	7	8

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23D	BBMW-23D	DUP-04 Q4
Start Depth		5	5	33	33	33	33	49.5	49.5	49.5
End Depth		15	15	43	43	43	43	59.5	59.5	59.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	10/17/2012	1/2/2013	4/30/2013	8/14/2012	10/17/2012	10/17/2012
Parent Sample Code										BBMW-23D
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-24S	BBMW-24S	BBMW-24I	BBMW-24I	BBMW-24D
Start Depth		49.5	49.5	63	63	4	4	32	32	59.5
End Depth		59.5	59.5	73	73	14	14	42	42	69.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	4/30/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	2
m/p-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	2
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	3 J
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-24S	BBMW-24S	BBMW-24I	BBMW-24I	BBMW-24D
Start Depth		49.5	49.5	63	63	4	4	32	32	59.5
End Depth		59.5	59.5	73	73	14	14	42	42	69.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	4/30/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	3 J	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	6 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	7	5	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-24S	BBMW-24S	BBMW-24I	BBMW-24I	BBMW-24D
Start Depth		49.5	49.5	63	63	4	4	32	32	59.5
End Depth		59.5	59.5	73	73	14	14	42	42	69.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/30/2013	8/14/2012	4/30/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	593000 D
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-24D	BBMW-24D	BBMW-24D	BBMW-25S	BBMW-25S	BBMW-25I	BBMW-25I	BBMW-25D	BBMW-25D
Start Depth		59.5	59.5	59.5	4	4	25	25	62	62
End Depth		69.5	69.5	69.5	14	14	35	35	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/15/2012	2/13/2013	5/8/2013	7/26/2012	5/21/2013	7/27/2012	5/21/2013	7/27/2012	11/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	3	1	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	3	1	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-24D	BBMW-24D	BBMW-24D	BBMW-25S	BBMW-25S	BBMW-25I	BBMW-25I	BBMW-25D	BBMW-25D
Start Depth		59.5	59.5	59.5	4	4	25	25	62	62
End Depth		69.5	69.5	69.5	14	14	35	35	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/15/2012	2/13/2013	5/8/2013	7/26/2012	5/21/2013	7/27/2012	5/21/2013	7/27/2012	11/14/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	10

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-24D	BBMW-24D	BBMW-24D	BBMW-25S	BBMW-25S	BBMW-25I	BBMW-25I	BBMW-25D	BBMW-25D
Start Depth		59.5	59.5	59.5	4	4	25	25	62	62
End Depth		69.5	69.5	69.5	14	14	35	35	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/15/2012	2/13/2013	5/8/2013	7/26/2012	5/21/2013	7/27/2012	5/21/2013	7/27/2012	11/14/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	125000 D	NA	NA	NA	7160	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-25D	BBMW-25D	GM-05S	GM-05S	GM-05I	GM-05I	GM-05D	GM-05D	GMP-01
Start Depth		62	62	5.1	5.1	35.05	35.05	60.95	60.95	25
End Depth		72	72	20.1	20.1	48.05	48.05	75.95	75.95	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/28/2013	5/21/2013	8/30/2012	5/22/2013	8/30/2012	5/22/2013	8/31/2012	5/22/2013	8/31/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-25D	BBMW-25D	GM-05S	GM-05S	GM-05I	GM-05I	GM-05D	GM-05D	GMP-01
Start Depth		62	62	5.1	5.1	35.05	35.05	60.95	60.95	25
End Depth		72	72	20.1	20.1	48.05	48.05	75.95	75.95	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/28/2013	5/21/2013	8/30/2012	5/22/2013	8/30/2012	5/22/2013	8/31/2012	5/22/2013	8/31/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	10 U	NA	6 J
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	2
Tetrahydrofuran	50*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	2
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	17	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	19	1	ND	ND	ND	ND	ND	ND	12

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-25D	BBMW-25D	GM-05S	GM-05S	GM-05I	GM-05I	GM-05D	GM-05D	GMP-01
Start Depth		62	62	5.1	5.1	35.05	35.05	60.95	60.95	25
End Depth		72	72	20.1	20.1	48.05	48.05	75.95	75.95	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/28/2013	5/21/2013	8/30/2012	5/22/2013	8/30/2012	5/22/2013	8/31/2012	5/22/2013	8/31/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	9530	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		GMP-01	GMP-01	GMP-01	GMP-02	GMP-02	GMP-04	GMP-04	OU2IW-01S	OU2IW-01S
Start Depth		25	25	25	18	18	15.5	15.5	3	3
End Depth		30	30	30	23	23	20.5	20.5	8	8
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/6/2012	1/30/2013	4/15/2013	8/31/2012	4/18/2013	8/31/2012	4/26/2013	9/5/2012	4/18/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	1 U	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	NA	NA	1 J	NA	1 J	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		GMP-01	GMP-01	GMP-01	GMP-02	GMP-02	GMP-04	GMP-04	OU2IW-01S	OU2IW-01S
Start Depth		25	25	25	18	18	15.5	15.5	3	3
End Depth		30	30	30	23	23	20.5	20.5	8	8
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/6/2012	1/30/2013	4/15/2013	8/31/2012	4/18/2013	8/31/2012	4/26/2013	9/5/2012	4/18/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	1 J	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	3 J	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	3	ND	2	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		GMP-01	GMP-01	GMP-01	GMP-02	GMP-02	GMP-04	GMP-04	OU2IW-01S	OU2IW-01S
Start Depth		25	25	25	18	18	15.5	15.5	3	3
End Depth		30	30	30	23	23	20.5	20.5	8	8
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/6/2012	1/30/2013	4/15/2013	8/31/2012	4/18/2013	8/31/2012	4/26/2013	9/5/2012	4/18/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Val
Sample Name		DUP-03 Q2	OU2MW-01WT	OU2MW-01WT	OU2MW-01S	OU2MW-01S	OU2MW-01I	DUP-21 Q3	OU2MW-01I	OU2MW-01I2
Start Depth		3	3	3	20	20	35	35	35	50
End Depth		8	8	8	25	25	40	40	40	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	7/26/2012	5/21/2013	9/12/2012	5/21/2013	9/12/2012	9/12/2012	5/21/2013	9/12/2012
Parent Sample Code	OU2IW-01S						OU2MW-01I			
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ
Acetone	50*	NA	5 U	NA	5 UJ	NA	5 UJ	5 UJ	NA	5 UJ
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloroethane	5	NA	1 U	NA	1 UJ	NA	1 UJ	1 UJ	NA	1 UJ
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Cyclohexane	NE	NA	10 U	NA	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 UJ	NA	1 U	1 UJ	NA	1 UJ
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,4-Dioxane	NE	NA	500 U	NA	R	NA	R	R	NA	R
Ethanol	NE	NA	500 U	NA	R	NA	R	R	NA	R
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
2-Hexanone	50*	NA	5 U	NA	5 UJ	NA	5 UJ	5 UJ	NA	5 UJ
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Val
Sample Name		DUP-03 Q2	OU2MW-01WT	OU2MW-01WT	OU2MW-01S	OU2MW-01S	OU2MW-01I	DUP-21 Q3	OU2MW-01I	OU2MW-01I2
Start Depth		3	3	3	20	20	35	35	35	50
End Depth		8	8	8	25	25	40	40	40	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	7/26/2012	5/21/2013	9/12/2012	5/21/2013	9/12/2012	9/12/2012	5/21/2013	9/12/2012
Parent Sample Code	OU2IW-01S						OU2MW-01I			
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 UJ	NA	5 UJ	5 UJ	NA	5 UJ
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	2 J	NA	5 J	5 J	NA	2 J
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 UJ	NA	5 UJ	5 UJ	NA	5 UJ
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	2 U	NA	2 U
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	2
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	R	NA	R	R	NA	R
n-Propylbenzene	5	NA	1 U	NA	1 UJ	NA	1 UJ	1 UJ	NA	1 UJ
Styrene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 U	NA	1	NA	1	1	NA	1 U
Tetrahydrofuran	50*	NA	10 U	NA	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 UJ	NA	1 UJ	1 UJ	NA	1 UJ
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	2

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.	Val
Sample Name		DUP-03 Q2	OU2MW-01WT	OU2MW-01WT	OU2MW-01S	OU2MW-01S	OU2MW-011	DUP-21 Q3	OU2MW-011	OU2MW-012
Start Depth		3	3	3	20	20	35	35	35	50
End Depth		8	8	8	25	25	40	40	40	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	7/26/2012	5/21/2013	9/12/2012	5/21/2013	9/12/2012	9/12/2012	5/21/2013	9/12/2012
Parent Sample Code		OU2IW-01S						OU2MW-011		
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-01I2	OU2MW-01D	OU2MW-01D	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02I	OU2MW-02I
Start Depth		50	65	65	20	20	20	20	35	35
End Depth		55	70	70	25	25	25	25	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	9/12/2012	5/21/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/15/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	7
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	2
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	2
o-Xylene	5	NA	1 U	NA	1	NA	NA	NA	23	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	14	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	1 U	NA	35
Total BTEX (ND=0)	NE	ND	ND	ND	1	ND	ND	ND	56	46
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 UJ	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 UJ	NA	NA	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 UJ	NA	NA	NA	1 UJ	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	R	NA	R	NA	NA	NA	R	NA
Ethanol	NE	NA	R	NA	R	NA	NA	NA	R	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 UJ	NA	NA	NA	10 UJ	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-012	OU2MW-01D	OU2MW-01D	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02I	OU2MW-02I
Start Depth		50	65	65	20	20	20	20	35	35
End Depth		55	70	70	25	25	25	25	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	9/12/2012	5/21/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/15/2012
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	16	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 UJ	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	NA	9 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	99	NA	NA	NA	1100	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	NA	NA	R	NA
n-Propylbenzene	5	NA	1 UJ	NA	1 U	NA	NA	NA	8	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	4	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	2	NA
Tetrahydrofuran	50*	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	7	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 UJ	NA	1 U	NA	NA	NA	26	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 UJ	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	9 J	8 J
Acenaphthylene	NE	9 J	10 U	10 U	4 J	10 U	10 U	10 U	78	68
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Naphthalene	10*	10 U	10 U	10 U	53	10 U	10 U	10 U	820	470 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	15	12
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	11	ND	ND	57	ND	ND	ND	926	561

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-01I2	OU2MW-01D	OU2MW-01D	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02I	OU2MW-02I
Start Depth		50	65	65	20	20	20	20	35	35
End Depth		55	70	70	25	25	25	25	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/21/2013	9/12/2012	5/21/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/15/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-02I	OU2MW-02I	OU2MW-02I2	OU2MW-02I2	OU2MW-02I2	OU2MW-02I2	OU2MW-02D	OU2MW-02D	OU2MW-02D
Start Depth		35	35	50	50	50	50	65	65	65
End Depth		40	40	55	55	55	55	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Total Xylene	5	26	11	NA	1 U	1 U	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	32	11	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Acetone	50*	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 UJ	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 UJ	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 UJ	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	R	NA	NA	NA	R	NA	NA
Ethanol	NE	NA	NA	R	NA	NA	NA	R	NA	NA
n-Heptane (C7)	NE	NA	NA	10 UJ	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-02I	OU2MW-02I	OU2MW-02I2	OU2MW-02I2	OU2MW-02I2	OU2MW-02I2	OU2MW-02D	OU2MW-02D	OU2MW-02D
Start Depth		35	35	50	50	50	50	65	65	65
End Depth		40	40	55	55	55	55	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 UJ	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	2 J	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	R	NA	NA	NA	R	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 UJ	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	1 UJ	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 UJ	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	7 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	48	17	2 J	3 J	2 J	10 U	10 U	10 U	10 U
Anthracene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	53	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	119	38	2	3	2	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-021	OU2MW-021	OU2MW-0212	OU2MW-0212	OU2MW-0212	OU2MW-0212	OU2MW-02D	OU2MW-02D	OU2MW-02D
Start Depth		35	35	50	50	50	50	65	65	65
End Depth		40	40	55	55	55	55	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013	5/2/2013	9/11/2012	11/14/2012	2/6/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Val	Val
Sample Name		OU2MW-02D	OU2MW-03S	OU2MW-03S	OU2MW-03I	OU2MW-03I	OU2MW-03I2	OU2MW-03I2	OU2MW-03D	OU2MW-03D
Start Depth		65	20	20	35	35	50	50	65	65
End Depth		70	25	25	40	40	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	R	NA	R	NA	R	NA	R	NA
Ethanol	NE	NA	R	NA	R	NA	R	NA	R	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Val	Val
Sample Name		OU2MW-02D	OU2MW-03S	OU2MW-03S	OU2MW-03I	OU2MW-03I	OU2MW-03I2	OU2MW-03I2	OU2MW-03D	OU2MW-03D
Start Depth		65	20	20	35	35	50	50	65	65
End Depth		70	25	25	40	40	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	R	NA	R	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Val	Val
Sample Name		OU2MW-02D	OU2MW-03S	OU2MW-03S	OU2MW-03I	OU2MW-03I	OU2MW-03I2	OU2MW-03I2	OU2MW-03D	OU2MW-03D
Start Depth		65	20	20	35	35	50	50	65	65
End Depth		70	25	25	40	40	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013	9/10/2012	5/1/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-04WT	OU2MW-04WT	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04I	OU2MW-04I	OU2MW-04I
Start Depth		3	3	20	20	20	20	35	35	35
End Depth		8	8	25	25	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	11/15/2012	2/6/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	3	3	8
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	9	12	2
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1	1	2
o-Xylene	5	1 U	NA	1 U	NA	NA	NA	18	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	NA	NA	4	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	1 U	1 U	NA	16	10
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	35	32	22
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	10 U	NA	NA	NA	10 UJ	NA	NA
Acetone	50*	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Cyclohexane	NE	10 UJ	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 UJ	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	R	NA	R	NA	NA	NA	R	NA	NA
Ethanol	NE	R	NA	R	NA	NA	NA	R	NA	NA
n-Heptane (C7)	NE	10 UJ	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	5 UJ	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-04WT	OU2MW-04WT	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04I	OU2MW-04I	OU2MW-04I
Start Depth		3	3	20	20	20	20	35	35	35
End Depth		8	8	25	25	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	11/15/2012	2/6/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	NA	10	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	9 J	NA	NA	NA	8 J	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1	NA	NA	NA	890	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	NA	NA	R	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	NA	5	NA	NA
Styrene	5	1 U	NA	1 U	NA	NA	NA	1	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	3	NA	NA	NA	2	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	NA	5	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	NA	9	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	1 J	10 U	10 U	10 U	11	7 J	7 J
Acenaphthylene	NE	10 U	10 U	1 J	10 U	10 U	10 U	96 J	69	54
Anthracene	50*	10 U	10 U	1 J	10 U	10 U	10 U	3 J	2 J	2 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	3 J	1 J	10 U	10 U	2 J	2 J	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	1 J
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	360	44	11
Phenanthrene	50*	10 U	10 U	2 J	1 J	1 J	10 U	32	26	20
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	8	2	1	ND	506	152	96

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-04WT	OU2MW-04WT	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04S	OU2MW-04I	OU2MW-04I	OU2MW-04I
Start Depth		3	3	20	20	20	20	35	35	35
End Depth		8	8	25	25	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/10/2012	5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	11/15/2012	2/6/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val	Red. Val.
Sample Name		OU2MW-04I	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04D	OU2MW-04D	OU2MW-05	OU2MW-05
Start Depth		35	50	50	50	50	65	65	25	25
End Depth		40	55	55	55	55	70	70	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	5/1/2013	8/16/2012	10/16/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	10	NA	1 U	1 U	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	20	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	NA	NA	10 UJ	NA	10 U	NA
Acetone	50*	NA	5 UJ	NA	NA	NA	5 UJ	NA	5 UJ	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	R	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	NA	NA	10 UJ	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	1 UJ	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	R	NA	NA	NA	R	NA	R	NA
Ethanol	NE	NA	R	NA	NA	NA	R	NA	R	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val	Red. Val.
Sample Name		OU2MW-04I	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04D	OU2MW-04D	OU2MW-05	OU2MW-05
Start Depth		35	50	50	50	50	65	65	25	25
End Depth		40	55	55	55	55	70	70	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	5/1/2013	8/16/2012	10/16/2012
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	3 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	NA	NA	R	NA	R	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	2	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	6 J	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	42	10 U	10 U	2 J	10 U	10 U	10 U	3 J	10 U
Anthracene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	17	10 U	10 U	10 U	10 U	10 U	10 U	4 J	2 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	102	ND	ND	3	ND	ND	ND	7	2

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val	Red. Val.
Sample Name		OU2MW-04I	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04I2	OU2MW-04D	OU2MW-04D	OU2MW-05	OU2MW-05
Start Depth		35	50	50	50	50	65	65	25	25
End Depth		40	55	55	55	55	70	70	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/1/2013	9/10/2012	11/15/2012	2/6/2013	5/1/2013	9/10/2012	5/1/2013	8/16/2012	10/16/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-05	OU2MW-05	OU2MW-06S	OU2MW-06S	OU2MW-06	OU2MW-06	OU2MW-07	OU2MW-07	OU2MW-07
Start Depth		25	25	3	3	15	15	15	15	15
End Depth		35	35	8	8	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/30/2013	4/11/2013	7/30/2012	5/17/2013	7/30/2012	5/17/2013	7/26/2012	10/16/2012	2/19/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	10 UJ	NA	NA
Acetone	50*	NA	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	10 UJ	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	R	NA	R	NA	1 UJ	NA	NA
Chloroform	7	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	1 UJ	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	R	NA	R	NA	R	NA	NA
Ethanol	NE	NA	NA	R	NA	R	NA	R	NA	NA
n-Heptane (C7)	NE	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	5 UJ	NA	NA
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-05	OU2MW-05	OU2MW-06S	OU2MW-06S	OU2MW-06	OU2MW-06	OU2MW-07	OU2MW-07	OU2MW-07
Start Depth		25	25	3	3	15	15	15	15	15
End Depth		35	35	8	8	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/30/2013	4/11/2013	7/30/2012	5/17/2013	7/30/2012	5/17/2013	7/26/2012	10/16/2012	2/19/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	5 U	NA	5 UJ	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	5 UJ	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	1 U	NA	1 UJ	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	R	NA	R	NA	R	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 UJ	NA	NA
Styrene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-05	OU2MW-05	OU2MW-06S	OU2MW-06S	OU2MW-06	OU2MW-06	OU2MW-07	OU2MW-07	OU2MW-07
Start Depth		25	25	3	3	15	15	15	15	15
End Depth		35	35	8	8	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/30/2013	4/11/2013	7/30/2012	5/17/2013	7/30/2012	5/17/2013	7/26/2012	10/16/2012	2/19/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-07	OU2MW-07S	OU2MW-07S	OU2MW-08WT	OU2MW-08WT	DUP-24 Q2	OU2MW-08S	OU2MW-08S	OU2MW-08I
Start Depth		15	3	3	3	3	3	20	20	35
End Depth		25	8	8	8	8	8	25	25	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	7/27/2012	5/16/2013	8/8/2012	6/25/2013	6/25/2013	8/8/2012	6/25/2013	8/8/2012
Parent Sample Code						OU2MW- 08WT				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	14
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	16
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	NA	5 UJ	NA	6 J
Acrylonitrile	5	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	10 U	NA	10 U
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	1 U	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Chloroethane	5	NA	1 UJ	NA	1 U	NA	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	1 UJ	NA	R	NA	NA	R	NA	R
Chloroform	7	NA	1 U	NA	1 U	NA	NA	1 U	NA	3
Chloromethane	5	NA	1 U	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	10 U	NA	10 U
Cyclohexane	NE	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 UJ	NA	1 U	NA	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 UJ	NA	NA	1 UJ	NA	1 U
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	R	NA	R	NA	NA	R	NA	R
Ethanol	NE	NA	R	NA	R	NA	NA	R	NA	R
n-Heptane (C7)	NE	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	10 UJ	NA	10 UJ	NA	NA	10 UJ	NA	10 UJ
2-Hexanone	50*	NA	5 UJ	NA	5 U	NA	NA	5 U	NA	5 U
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-07	OU2MW-07S	OU2MW-07S	OU2MW-08WT	OU2MW-08WT	DUP-24 Q2	OU2MW-08S	OU2MW-08S	OU2MW-08I
Start Depth		15	3	3	3	3	3	20	20	35
End Depth		25	8	8	8	8	8	25	25	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	7/27/2012	5/16/2013	8/8/2012	6/25/2013	6/25/2013	8/8/2012	6/25/2013	8/8/2012
Parent Sample Code						OU2MW- 08WT				
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 UJ	NA	5 U	NA	NA	5 U	NA	1 J
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	10 U	NA	9 J
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	5 U	NA	NA	5 U	NA	5 U
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	2 U	NA	2 U
Naphthalene	10*	NA	1 UJ	NA	1 U	NA	NA	1 U	NA	9
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	NA	R	NA	R
n-Propylbenzene	5	NA	1 UJ	NA	1 U	NA	NA	1 U	NA	1 U
Styrene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	2
Tetrahydrofuran	50*	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	1 U	NA	8
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 UJ	NA	10 U	NA	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 U
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	1 U	NA	1 UJ
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-07	OU2MW-07S	OU2MW-07S	OU2MW-08WT	OU2MW-08WT	DUP-24 Q2	OU2MW-08S	OU2MW-08S	OU2MW-08I
Start Depth		15	3	3	3	3	3	20	20	35
End Depth		25	8	8	8	8	8	25	25	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	7/27/2012	5/16/2013	8/8/2012	6/25/2013	6/25/2013	8/8/2012	6/25/2013	8/8/2012
Parent Sample Code						OU2MW- 08WT				
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-08I	OU2MW-08I	OU2MW-08I	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08D	OU2MW-08D
Start Depth		35	35	35	50	50	50	50	65	65
End Depth		40	40	40	55	55	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/18/2013	6/25/2013	8/8/2012	11/12/2012	2/18/2013	6/25/2013	8/8/2012	6/25/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	2	1 U	1 U	22	28	55	38	1 U	1 U
Toluene	5	1 U	1 U	1 U	2	2	5	4	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	5	4	7	4	1 U	1 U
o-Xylene	5	NA	NA	NA	59	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	16	NA	NA	NA	1 U	NA
Total Xylene	5	2	1 U	1 U	NA	32	23	15	NA	1 U
Total BTEX (ND=0)	NE	4	ND	ND	104	66	90	61	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	R	NA	NA	NA	R	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	R	NA	NA	NA	R	NA
Ethanol	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-08I	OU2MW-08I	OU2MW-08I	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08D	OU2MW-08D
Start Depth		35	35	35	50	50	50	50	65	65
End Depth		40	40	40	55	55	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/18/2013	6/25/2013	8/8/2012	11/12/2012	2/18/2013	6/25/2013	8/8/2012	6/25/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	31	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	12	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1900	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Propylbenzene	5	NA	NA	NA	14	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	2	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	2	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	2	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	33	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	40	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	19	14	12	8 J	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	160	110 D	68	61	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	3 J	10 U	1 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	2 J	1 J	1 J	1 J	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1 J	2 J	10 U	410	210 D	38	78	6 J	1 J
Phenanthrene	50*	10 U	10 U	10 U	34	28	26	23	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	1	2	ND	630	363	146	171	6	1

Table 4-10
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-08I	OU2MW-08I	OU2MW-08I	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08I2	OU2MW-08D	OU2MW-08D
Start Depth		35	35	35	50	50	50	50	65	65
End Depth		40	40	40	55	55	55	55	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/18/2013	6/25/2013	8/8/2012	11/12/2012	2/18/2013	6/25/2013	8/8/2012	6/25/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-09	OU2MW-09	OU2MW-10S	DUP-05 Q3	OU2MW-10S	OU2MW-10I	OU2MW-10I	OU2MW-10I	OU2MW-10I
Start Depth		30	30	3	3	3	20	20	20	20
End Depth		40	40	7	7	7	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/12/2012	5/2/2013	7/23/2012	7/23/2012	4/8/2013	7/23/2012	10/25/2012	3/19/2013	4/8/2013
Parent Sample Code				OU2MW-10S						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
o-Xylene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
m/p-Xylene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Total Xylene	5	NA	1 U	NA	NA	1 U	NA	1	1	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	3	2	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	10 UJ	10 U	NA	10 UJ	NA	NA	NA
Acetone	50*	5 UJ	NA	5 UJ	5 U	NA	5 UJ	NA	NA	NA
Acrylonitrile	5	10 U	NA	10 U	10 UJ	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 UJ	10 U	NA	10 UJ	NA	NA	NA
Bromochloromethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	1 UJ	1 U	NA	1 UJ	NA	NA	NA
Chlorobenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Chloroethane	5	1 UJ	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
Chlorotoluene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 UJ	10 UJ	NA	10 UJ	NA	NA	NA
Cyclohexane	NE	10 UJ	NA	10 U	10 U	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 UJ	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	R	NA	R	R	NA	R	NA	NA	NA
Ethanol	NE	R	NA	R	R	NA	R	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 UJ	NA	5 U	5 U	NA	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-09	OU2MW-09	OU2MW-10S	DUP-05 Q3	OU2MW-10S	OU2MW-10I	OU2MW-10I	OU2MW-10I	OU2MW-10I
Start Depth		30	30	3	3	3	20	20	20	20
End Depth		40	40	7	7	7	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/12/2012	5/2/2013	7/23/2012	7/23/2012	4/8/2013	7/23/2012	10/25/2012	3/19/2013	4/8/2013
Parent Sample Code				OU2MW-10S						
Isopropyl benzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 UJ	NA	5 UJ	5 UJ	NA	5 UJ	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	1 J	NA	10 UJ	10 UJ	NA	10 UJ	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	5 U	5 U	NA	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	2 U	2 U	NA	2 U	NA	NA	NA
Naphthalene	10*	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	R	NA	R	NA	NA	NA
n-Propylbenzene	5	1 UJ	NA	1 U	1 U	NA	1 U	NA	NA	NA
Styrene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 UJ	1 U	NA	1 UJ	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 UJ	1 U	NA	1 UJ	NA	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	10 U	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 UJ	NA	1 U	1 U	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 UJ	NA	10 UJ	10 UJ	NA	10 UJ	NA	NA	NA
Vinyl acetate	NE	1 U	NA	1 UJ	1 UJ	NA	1 UJ	NA	NA	NA
Vinyl chloride	2	1 U	NA	1 U	1 U	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	7 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	10	10

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-09	OU2MW-09	OU2MW-10S	DUP-05 Q3	OU2MW-10S	OU2MW-10I	OU2MW-10I	OU2MW-10I	OU2MW-10I
Start Depth		30	30	3	3	3	20	20	20	20
End Depth		40	40	7	7	7	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/12/2012	5/2/2013	7/23/2012	7/23/2012	4/8/2013	7/23/2012	10/25/2012	3/19/2013	4/8/2013
Parent Sample Code				OU2MW-10S						
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val
Sample Name		DUP-01 Q2	OU2MW-10D	OU2MW-10D	OU2MW-11S	OU2MW-11S	OU2MW-11I	OU2MW-11I	OU2MW-11I	OU2MW-11I2
Start Depth		20	35	35	3	3	20	20	20	30
End Depth		25	40	40	8	8	25	25	25	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/23/2012	4/8/2013	7/19/2012	4/8/2013	7/19/2012	11/26/2012	4/8/2013	7/19/2012
Parent Sample Code		OU2MW-10I								
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	9
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1	NA	NA	3
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	1	ND	ND	14
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 U	NA	10 U	NA	NA	10 U
Acetone	50*	NA	5 UJ	NA	5 U	NA	5 U	NA	NA	5 UJ
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	10 UJ
Allyl chloride (3-Chloropropene)	5	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	10 U
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 UJ
1,3-Butadiene	NE	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA	10 U
Carbon disulfide	60*	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	1 U
Carbon tetrachloride	5	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	1 U
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Chloroethane	5	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	1 UJ
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	NA	10
Chloromethane	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	1 UJ
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	10 U
Cyclohexane	NE	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA	10 UJ
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	1 UJ
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,4-Dioxane	NE	NA	R	NA	R	NA	R	NA	NA	R
Ethanol	NE	NA	R	NA	R	NA	R	NA	NA	R
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	10 U
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	NA	5 U
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 UJ

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val
Sample Name		DUP-01 Q2	OU2MW-10D	OU2MW-10D	OU2MW-11S	OU2MW-11S	OU2MW-11I	OU2MW-11I	OU2MW-11I	OU2MW-11I2
Start Depth		20	35	35	3	3	20	20	20	30
End Depth		25	40	40	8	8	25	25	25	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/23/2012	4/8/2013	7/19/2012	4/8/2013	7/19/2012	11/26/2012	4/8/2013	7/19/2012
Parent Sample Code		OU2MW-10I								
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	3
Methyl ethyl ketone (2-Butanone)	50*	NA	5 UJ	NA	5 U	NA	5 U	NA	NA	5 UJ
Methyl tert-butyl ether (MTBE)	10*	NA	10 UJ	NA	10 UJ	NA	4 J	NA	NA	27 J
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	NA	5 U
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	NA	2 U
Naphthalene	10*	NA	1 U	NA	2	NA	3	NA	NA	230
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	R	NA	NA	R
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1
1,1,1,2-Tetrachloroethane	5	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	1 U
Tetrahydrofuran	50*	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	10 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	10 UJ
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	R
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	3
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	2
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	10 UJ
Vinyl acetate	NE	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	1 UJ
Vinyl chloride	2	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Acenaphthylene	NE	8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	75
Phenanthrene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	12	ND	ND	ND	ND	ND	ND	ND	83

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val
Sample Name		DUP-01 Q2	OU2MW-10D	OU2MW-10D	OU2MW-11S	OU2MW-11S	OU2MW-11I	OU2MW-11I	OU2MW-11I	OU2MW-11I2
Start Depth		20	35	35	3	3	20	20	20	30
End Depth		25	40	40	8	8	25	25	25	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/23/2012	4/8/2013	7/19/2012	4/8/2013	7/19/2012	11/26/2012	4/8/2013	7/19/2012
Parent Sample Code	OU2MW-10I									
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-1112	OU2MW-1112	OU2MW-1112	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-12S	OU2MW-12S
Start Depth		30	30	30	40	40	40	40	3	3
End Depth		35	35	35	45	45	45	45	7	7
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/26/2012	1/2/2013	4/11/2013	7/19/2012	11/26/2012	1/2/2013	4/11/2013	7/20/2012	10/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	23	3	1	3	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	19	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	5	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	1 U	1 U	NA	7	4	12	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	50	10	5	15	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 UJ	NA
Acetone	50*	NA	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA
Acrylonitrile	5	NA	NA	NA	10 UJ	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 UJ	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 UJ	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 UJ	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 UJ	NA
Cyclohexane	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 UJ	NA	NA	NA	2 J	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	R	NA	NA	NA	R	NA
Ethanol	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-112	OU2MW-112	OU2MW-112	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-12S	OU2MW-12S
Start Depth		30	30	30	40	40	40	40	3	3
End Depth		35	35	35	45	45	45	45	7	7
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/26/2012	1/2/2013	4/11/2013	7/19/2012	11/26/2012	1/2/2013	4/11/2013	7/20/2012	10/17/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	12	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	46 J	NA	NA	NA	10 UJ	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	69	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Propylbenzene	5	NA	NA	NA	8	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 UJ	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1	NA	NA	NA	1 UJ	NA
Tetrahydrofuran	50*	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 UJ	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	R	NA	NA	NA	1 UJ	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	6	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	16	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
Vinyl acetate	NE	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	13	4 J	4 J	36	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	76	25	18	20 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 J	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	37	13	1 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	7 J	3 J	3 J	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	34	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	136	45	26	80	ND	ND

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-11I2	OU2MW-11I2	OU2MW-11I2	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-11D	OU2MW-12S	OU2MW-12S
Start Depth		30	30	30	40	40	40	40	3	3
End Depth		35	35	35	45	45	45	45	7	7
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/26/2012	1/2/2013	4/11/2013	7/19/2012	11/26/2012	1/2/2013	4/11/2013	7/20/2012	10/17/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-12S	OU2MW-12S	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I2	OU2MW-12I2	OU2MW-12I2
Start Depth		3	3	20	20	20	20	30	30	30
End Depth		7	7	25	25	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	5	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	5	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Acetone	50*	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Carbon tetrachloride	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	R	NA	NA	NA	R	NA	NA
Ethanol	NE	NA	NA	R	NA	NA	NA	R	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-12S	OU2MW-12S	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I2	OU2MW-12I2	OU2MW-12I2
Start Depth		3	3	20	20	20	20	30	30	30
End Depth		7	7	25	25	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	1	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	5 J	NA	NA	NA	31 J	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	29	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	R	NA	NA	NA	R	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Tetrahydrofuran	50*	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	2	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	2	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Vinyl acetate	NE	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	1 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	9 J	1 J	5 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	30	1	7

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-12S	OU2MW-12S	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I	OU2MW-12I2	OU2MW-12I2	OU2MW-12I2
Start Depth		3	3	20	20	20	20	30	30	30
End Depth		7	7	25	25	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/20/2012	10/17/2012	1/2/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-12I2	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-13S	OU2MW-13S	DUP-02-041113	OU2MW-13I
Start Depth		30	40	40	40	40	3	3	3	20
End Depth		35	45	45	45	45	8	8	8	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/23/2012	4/11/2013	4/11/2013	7/23/2012
Parent Sample Code								OU2MW-13S		
BTEX (µg/L)										
Benzene	1	1 U	1 U	1	1 U	1	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
m/p-Xylene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Total Xylene	5	1 U	NA	4	3	2	NA	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	5	3	3	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 U
Acetone	50*	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA	5 U
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	10 UJ
Allyl chloride (3-Chloropropene)	5	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 U
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	10 U
Carbon disulfide	60*	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 UJ
Carbon tetrachloride	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 U
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Chloroethane	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 UJ
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Chloromethane	5	NA	2 J	NA	NA	NA	1 UJ	NA	NA	1 UJ
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 UJ
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 UJ
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,4-Dioxane	NE	NA	R	NA	NA	NA	R	NA	NA	R
Ethanol	NE	NA	R	NA	NA	NA	R	NA	NA	R
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	10 U
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	5 U
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-12I2	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-13S	OU2MW-13S	DUP-02-041113	OU2MW-13I
Start Depth		30	40	40	40	40	3	3	3	20
End Depth		35	45	45	45	45	8	8	8	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/23/2012	4/11/2013	4/11/2013	7/23/2012
Parent Sample Code								OU2MW-13S		
Isopropyl benzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA	5 UJ
Methyl tert-butyl ether (MTBE)	10*	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 UJ
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	5 U
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	2 U
Naphthalene	10*	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	NA	NA	R	NA	NA	R
n-Propylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 U
Tetrahydrofuran	50*	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 UJ
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA	10 UJ
Vinyl acetate	NE	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA	1 UJ
Vinyl chloride	2	NA	1 UJ	NA	NA	NA	1 U	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	1 J	10 U	1 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	10 U	8 J	6 J	12	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	2	ND	9	6	14	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-12I2	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-13S	OU2MW-13S	DUP-02-041113	OU2MW-13I
Start Depth		30	40	40	40	40	3	3	3	20
End Depth		35	45	45	45	45	8	8	8	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	7/20/2012	10/17/2012	1/2/2013	4/8/2013	7/23/2012	4/11/2013	4/11/2013	7/23/2012
Parent Sample Code								OU2MW-13S		
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-13I	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-14S	OU2MW-14S	OU2MW-14I	OU2MW-14I
Start Depth		20	35	35	35	35	3	3	20	20
End Depth		25	40	40	40	40	8	8	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/11/2013	7/23/2012	10/25/2012	1/30/2013	4/11/2013	9/11/2012	6/18/2013	9/11/2012	3/27/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	260	190
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	2	NA	NA	NA	1 U	NA	1	NA
m/p-Xylene	5	NA	1	NA	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	3	2	1 U	NA	1 U	NA	4
Total BTEX (ND=0)	NE	ND	3	3	2	ND	ND	ND	261	194
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 UJ	NA	10 UJ	NA
Acetone	50*	NA	5 U	NA	NA	NA	5 UJ	NA	5 UJ	NA
Acrylonitrile	5	NA	10 UJ	NA	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 UJ	NA	NA	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 UJ	NA	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	NA	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 UJ	NA	10 UJ	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 UJ	NA	1 UJ	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	R	NA	NA	NA	R	NA	R	NA
Ethanol	NE	NA	R	NA	NA	NA	R	NA	R	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 UJ	NA	10 UJ	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 UJ	NA	5 UJ	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-13I	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-14S	OU2MW-14S	OU2MW-14I	OU2MW-14I
Start Depth		20	35	35	35	35	3	3	20	20
End Depth		25	40	40	40	40	8	8	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/11/2013	7/23/2012	10/25/2012	1/30/2013	4/11/2013	9/11/2012	6/18/2013	9/11/2012	3/27/2013
Parent Sample Code										
Isopropyl benzene	5	NA	6	NA	NA	NA	1 U	NA	1	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 UJ	NA	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	52 J	NA	NA	NA	10 U	NA	1 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 UJ	NA	5 UJ	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	85	NA	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	NA	NA	R	NA	R	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	2 J	NA	NA	NA	10 UJ	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 UJ	NA	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1	NA	NA	NA	1 U	NA	2	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	2	NA	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	5 J	NA	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 UJ	NA	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	4 J	3 J	10 U	10 U	10 U	10 U	4 J	14
Acenaphthylene	NE	10 U	17	11	5 J	10 U	10 U	10 U	10	10
Anthracene	50*	10 U	2 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	48	8 J	2 J	10 U	10 U	10 U	10 U	2 J
Phenanthrene	50*	10 U	2 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	73	24	7	ND	ND	ND	14	29

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-13I	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-13D	OU2MW-14S	OU2MW-14S	OU2MW-14I	OU2MW-14I
Start Depth		20	35	35	35	35	3	3	20	20
End Depth		25	40	40	40	40	8	8	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/11/2013	7/23/2012	10/25/2012	1/30/2013	4/11/2013	9/11/2012	6/18/2013	9/11/2012	3/27/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-14I	OU2MW-14I2	OU2MW-14I2	OU2MW-15S	OU2MW-15S	OU2MW-15I	OU2MW-15I	OU2MW-15I	OU2MW-15I
Start Depth		20	45	45	3	3	20	20	20	20
End Depth		25	50	50	8	8	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/18/2013	9/11/2012	6/18/2013	7/20/2012	4/12/2013	7/20/2012	10/25/2012	1/30/2013	4/12/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	13	1	1 U	1 U	1 U	270	13	4	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
o-Xylene	5	NA	1 U	NA	1 U	NA	5	NA	NA	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	4	NA	NA	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	5	1 U	1 U
Total BTEX (ND=0)	NE	13	1	ND	ND	ND	279	18	4	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	NA
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 UJ	NA	1 UJ	NA	2 J	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA	NA
Cyclohexane	NE	NA	10 UJ	NA	10 U	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 UJ	NA	1 U	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	R	NA	R	NA	R	NA	NA	NA
Ethanol	NE	NA	R	NA	R	NA	R	NA	NA	NA
n-Heptane (C7)	NE	NA	10 UJ	NA	10 U	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 UJ	NA	5 U	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-14I	OU2MW-14I2	OU2MW-14I2	OU2MW-15S	OU2MW-15S	OU2MW-15I	OU2MW-15I	OU2MW-15I	OU2MW-15I
Start Depth		20	45	45	3	3	20	20	20	20
End Depth		25	50	50	8	8	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/18/2013	9/11/2012	6/18/2013	7/20/2012	4/12/2013	7/20/2012	10/25/2012	1/30/2013	4/12/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 UJ	NA	5 UJ	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 UJ	NA	4 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	5 U	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	20	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	R	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
Tetrahydrofuran	50*	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	2	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	4	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	5 J	10 U	10 U	10 U	10 U	8 J	27 J	7 J	10 U
Acenaphthylene	NE	9 J	10 U	10 U	10 U	10 U	10	15 J	13	3 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	2 J	10 U	10 U	10 U	10 U	10 U	5 J	1 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	14	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	16	ND	ND	ND	ND	32	53	21	3

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-14I	OU2MW-14I2	OU2MW-14I2	OU2MW-15S	OU2MW-15S	OU2MW-15I	OU2MW-15I	OU2MW-15I	OU2MW-15I
Start Depth		20	45	45	3	3	20	20	20	20
End Depth		25	50	50	8	8	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/18/2013	9/11/2012	6/18/2013	7/20/2012	4/12/2013	7/20/2012	10/25/2012	1/30/2013	4/12/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Red. Val.	Val
Sample Name		OU2MW-15I2	OU2MW-15I2	OU2MW-15D	OU2MW-15D	OU2MW-16S	OU2MW-16S	OU2MW-16I	OU2MW-16I	OU2MW-16I
Start Depth		30	30	40	40	3	3	15	15	15
End Depth		35	35	45	45	8	8	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/20/2012	4/12/2013	7/20/2012	4/12/2013	8/21/2012	4/12/2013	8/21/2012	11/8/2012	4/12/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
Acetone	50*	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 UJ	NA	10 UJ	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA
Carbon tetrachloride	5	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	2 J	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	R	NA	R	NA	R	NA	R	NA	NA
Ethanol	NE	R	NA	R	NA	R	NA	R	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 UJ	NA	5 UJ	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Red. Val.	Val
Sample Name		OU2MW-15I2	OU2MW-15I2	OU2MW-15D	OU2MW-15D	OU2MW-16S	OU2MW-16S	OU2MW-16I	OU2MW-16I	OU2MW-16I
Start Depth		30	30	40	40	3	3	15	15	15
End Depth		35	35	45	45	8	8	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/20/2012	4/12/2013	7/20/2012	4/12/2013	8/21/2012	4/12/2013	8/21/2012	11/8/2012	4/12/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 UJ	NA	5 UJ	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 UJ	NA	10 UJ	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 UJ	NA	5 UJ	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 UJ	NA	1 UJ	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	R	NA	R	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 UJ	NA	10 UJ	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 UJ	NA	10 UJ	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	1 UJ	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Val	Val	Val	Red. Val.	Val
Sample Name		OU2MW-15I2	OU2MW-15I2	OU2MW-15D	OU2MW-15D	OU2MW-16S	OU2MW-16S	OU2MW-16I	OU2MW-16I	OU2MW-16I
Start Depth		30	30	40	40	3	3	15	15	15
End Depth		35	35	45	45	8	8	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/20/2012	4/12/2013	7/20/2012	4/12/2013	8/21/2012	4/12/2013	8/21/2012	11/8/2012	4/12/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-16I2	OU2MW-16I2	OU2MW-16I2	DUP-03 Q1	OU2MW-16I2	OU2MW-16D	OU2MW-16D	OU2MW-16D	OU2MW-16D
Start Depth		25	25	25	25	25	35	35	35	35
End Depth		30	30	30	30	30	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	11/8/2012	1/29/2013	1/29/2013	4/15/2013	8/21/2012	11/8/2012	1/29/2013	4/15/2013
Parent Sample Code				OU2MW-16I2						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1	1	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
m/p-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	1	1	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	NA	NA	NA	10 UJ	NA	NA	NA
Acetone	50*	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	10 UJ	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 UJ	NA	NA	NA	NA	10 UJ	NA	NA	NA
Cyclohexane	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	R	NA	NA	NA	NA	R	NA	NA	NA
Ethanol	NE	R	NA	NA	NA	NA	R	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-16I2	OU2MW-16I2	OU2MW-16I2	DUP-03 Q1	OU2MW-16I2	OU2MW-16D	OU2MW-16D	OU2MW-16D	OU2MW-16D
Start Depth		25	25	25	25	25	35	35	35	35
End Depth		30	30	30	30	30	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	11/8/2012	1/29/2013	1/29/2013	4/15/2013	8/21/2012	11/8/2012	1/29/2013	4/15/2013
Parent Sample Code					OU2MW-16I2					
Isopropyl benzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	NA	NA	NA	R	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	NA	NA	NA	10 UJ	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 UJ	NA	NA	NA	NA	10 UJ	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val
Sample Name		OU2MW-16I2	OU2MW-16I2	OU2MW-16I2	DUP-03 Q1	OU2MW-16I2	OU2MW-16D	OU2MW-16D	OU2MW-16D	OU2MW-16D
Start Depth		25	25	25	25	25	35	35	35	35
End Depth		30	30	30	30	30	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	11/8/2012	1/29/2013	1/29/2013	4/15/2013	8/21/2012	11/8/2012	1/29/2013	4/15/2013
Parent Sample Code				OU2MW-16I2						
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-17S	OU2MW-17S	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I2	OU2MW-17I2	OU2MW-17D
Start Depth		5	5	13	13	13	13	35	35	60
End Depth		10	10	23	23	23	23	45	45	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	4/30/2013	7/20/2012	10/15/2012	1/29/2013	4/30/2013	8/9/2012	4/30/2013	7/20/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1	4	2	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	2	1	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	1	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	1	7	3	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	NA	10 U	NA	10 U
Acetone	50*	5 UJ	NA	5 U	NA	NA	NA	5 UJ	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
Bromochloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
Carbon disulfide	60*	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	R	NA	1 U	NA	NA	NA	R	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloromethane	5	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ
Chlorotoluene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
Cyclohexane	NE	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	1 UJ	NA	1 U	NA	NA	NA	1 UJ	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dioxane	NE	R	NA	R	NA	NA	NA	R	NA	R
Ethanol	NE	R	NA	R	NA	NA	NA	R	NA	R
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
n-Hexane (C6)	NE	10 UJ	NA	10 U	NA	NA	NA	10 UJ	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-17S	OU2MW-17S	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I2	OU2MW-17I2	OU2MW-17D
Start Depth		5	5	13	13	13	13	35	35	60
End Depth		10	10	23	23	23	23	45	45	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	4/30/2013	7/20/2012	10/15/2012	1/29/2013	4/30/2013	8/9/2012	4/30/2013	7/20/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U
Naphthalene	10*	1 U	NA	2	NA	NA	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	NA	NA	R	NA	R
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Styrene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 UJ	NA	NA	NA	1 U	NA	1 UJ
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 UJ	NA	NA	NA	10 U	NA	10 UJ
Vinyl acetate	NE	1 U	NA	1 UJ	NA	NA	NA	1 U	NA	1 UJ
Vinyl chloride	2	1 U	NA	1 UJ	NA	NA	NA	1 U	NA	1 UJ
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	1 J	10 U	1 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	2 J	2 J	2 J	2 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	3	2	3	2	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val	Val
Sample Name		OU2MW-17S	OU2MW-17S	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I	OU2MW-17I2	OU2MW-17I2	OU2MW-17D
Start Depth		5	5	13	13	13	13	35	35	60
End Depth		10	10	23	23	23	23	45	45	75
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	4/30/2013	7/20/2012	10/15/2012	1/29/2013	4/30/2013	8/9/2012	4/30/2013	7/20/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-17D	OU2MW-17D	OU2MW-17D	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I2	OU2MW-18I2
Start Depth		60	60	60	13	13	13	13	35	35
End Depth		75	75	75	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/15/2012	1/29/2013	4/30/2013	7/20/2012	10/19/2012	1/30/2013	4/29/2013	7/20/2012	10/19/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1	2	1 U	1 U	1	1 U
o-Xylene	5	NA	NA	NA	1	NA	NA	NA	18	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	2	NA
Total Xylene	5	1 U	1 U	1 U	NA	2	1 U	1 U	NA	24
Total BTEX (ND=0)	NE	ND	ND	ND	2	4	ND	ND	21	24
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
Carbon disulfide	60*	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
Cyclohexane	NE	NA	NA	NA	10 UJ	NA	NA	NA	3 J	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	R	NA	NA	NA	R	NA
Ethanol	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-17D	OU2MW-17D	OU2MW-17D	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I2	OU2MW-18I2
Start Depth		60	60	60	13	13	13	13	35	35
End Depth		75	75	75	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/15/2012	1/29/2013	4/30/2013	7/20/2012	10/19/2012	1/30/2013	4/29/2013	7/20/2012	10/19/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	9	NA	NA	NA	2	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	R	NA	NA	NA	R	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	3	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	5	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 UJ	NA	NA	NA	10 UJ	NA
Vinyl acetate	NE	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
Vinyl chloride	2	NA	NA	NA	1 UJ	NA	NA	NA	1 UJ	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	5 J	7 J	3 J	1 J	3 J	2 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	6 J	4 J	2 J	1 J	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	1 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	6 J	2 J	2 J	5 J	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	23	14	7	7	4	2

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-17D	OU2MW-17D	OU2MW-17D	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I	OU2MW-18I2	OU2MW-18I2
Start Depth		60	60	60	13	13	13	13	35	35
End Depth		75	75	75	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/15/2012	1/29/2013	4/30/2013	7/20/2012	10/19/2012	1/30/2013	4/29/2013	7/20/2012	10/19/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-18I2	OU2MW-18I2	OU2MW-18D	OU2MW-18D	OU2MW-18D	OU2MW-19I	DUP-15 Q3	OU2MW-19I	OU2MW-19I
Start Depth		35	35	60	60	60	13	13	13	13
End Depth		45	45	70	70	70	23	23	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	7/20/2012	10/19/2012	4/29/2013	8/22/2012	8/22/2012	11/7/2012	1/28/2013
Parent Sample Code							OU2MW-19I			
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	66	1 U
Ethylbenzene	5	1 U	2	1 U	1 U	1 U	1 U	1 U	8	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Total Xylene	5	19	25	NA	1 U	1 U	NA	NA	43	1 U
Total BTEX (ND=0)	NE	19	27	ND	ND	ND	ND	ND	121	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	10 UJ	10 UJ	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	5 UJ	5 UJ	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	10 U	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 UJ	NA	NA	1 U	1 UJ	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	1 UJ	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	R	R	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Chloromethane	5	NA	NA	1 UJ	NA	NA	1 U	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	1 UJ	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 UJ	NA	NA	1 U	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	R	NA	NA	R	R	NA	NA
Ethanol	NE	NA	NA	R	NA	NA	R	R	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	10 U	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	10 U	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	5 UJ	5 UJ	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-18I2	OU2MW-18I2	OU2MW-18D	OU2MW-18D	OU2MW-18D	OU2MW-19I	DUP-15 Q3	OU2MW-19I	OU2MW-19I
Start Depth		35	35	60	60	60	13	13	13	13
End Depth		45	45	70	70	70	23	23	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	7/20/2012	10/19/2012	4/29/2013	8/22/2012	8/22/2012	11/7/2012	1/28/2013
Parent Sample Code							OU2MW-19I			
Isopropyl benzene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	5 U	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	5 UJ	5 UJ	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	2 U	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	1 UJ	1 UJ	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	R	NA	NA	R	R	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	10 U	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 UJ	NA	NA	1 U	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	1 U	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	1 UJ	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 UJ	NA	NA	10 U	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 UJ	NA	NA	1 U	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 UJ	NA	NA	1 U	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Val	Red. Val.	Val	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-18I2	OU2MW-18I2	OU2MW-18D	OU2MW-18D	OU2MW-18D	OU2MW-19I	DUP-15 Q3	OU2MW-19I	OU2MW-19I
Start Depth		35	35	60	60	60	13	13	13	13
End Depth		45	45	70	70	70	23	23	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	7/20/2012	10/19/2012	4/29/2013	8/22/2012	8/22/2012	11/7/2012	1/28/2013
Parent Sample Code							OU2MW-19I			
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	25.3 UJ	17.7 UJ	NA	NA
Antimony	3	NA	NA	NA	NA	NA	1.8 U	1.8 U	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	1.5 U	1.6 UJ	NA	NA
Barium	1000	NA	NA	NA	NA	NA	19.1 J	21.7 J	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	0.12 U	0.12 U	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	0.087 U	0.087 U	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	54200 J	52900 J	NA	NA
Chromium	50	NA	NA	NA	NA	NA	0.34 U	0.34 U	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA
Copper	200	NA	NA	NA	NA	NA	2 J	2.1 J	NA	NA
Iron	300	NA	NA	NA	NA	NA	200	218	NA	NA
Lead	25	NA	NA	NA	NA	NA	4.5	3.2	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	11600 J	11400 J	NA	NA
Manganese	300	NA	NA	NA	NA	NA	34.4 J	34.3 J	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA
Nickel	100	NA	NA	NA	NA	NA	1.3 UJ	0.7 UJ	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	7300 J	1150 UJ	NA	NA
Selenium	10	NA	NA	NA	NA	NA	2.1 U	2.1 U	NA	NA
Silver	50	NA	NA	NA	NA	NA	0.29 U	0.29 U	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	93000 J	89800 J	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	2.9 U	2.9 U	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	1 J	0.9 J	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	16.9 UJ	6.6 UJ	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	300 J	360 J	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	54600	50200	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	100 U	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	450	460	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	450	460	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	500 U	500 U	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	11 J	19 J	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	33800	33300	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	2000 U	2000 U	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	50 U	50 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-19I	OU2MW-19I2	OU2MW-19I2	DUP-05 Q4	OU2MW-19I2	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-19D
Start Depth		13	35	35	35	35	35	65	65	65
End Depth		23	45	45	45	45	45	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/22/2012	11/7/2012	11/7/2012	1/28/2013	4/18/2013	8/22/2012	11/8/2012	1/28/2013
Parent Sample Code				OU2MW-19I2						
BTEX (µg/L)										
Benzene	1	1 U	1 U	5	4	1 U	1	1 U	1 U	1 U
Toluene	5	1 U	1 U	66	55	1 U	1 U	2	5	1 U
Ethylbenzene	5	1 U	1 U	7	6	1 U	1 U	2	10	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	NA	12	NA	NA
m/p-Xylene	5	NA	1 U	NA	NA	NA	NA	24	NA	NA
Total Xylene	5	1 U	NA	36	30	1 U	3	NA	110	1 U
Total BTEX (ND=0)	NE	ND	ND	114	95	ND	4	40	125	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	NA	NA	NA	10 UJ	NA	NA
Acetone	50*	NA	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	2	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	NA	R	NA	NA	NA	NA	R	NA	NA
Chloroform	7	NA	2	NA	NA	NA	NA	220	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 UJ	NA	NA	NA	NA	1 UJ	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	R	NA	NA	NA	NA	R	NA	NA
Ethanol	NE	NA	R	NA	NA	NA	NA	R	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-19I	OU2MW-19I2	OU2MW-19I2	DUP-05 Q4	OU2MW-19I2	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-19D
Start Depth		13	35	35	35	35	35	65	65	65
End Depth		23	45	45	45	45	45	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/22/2012	11/7/2012	11/7/2012	1/28/2013	4/18/2013	8/22/2012	11/8/2012	1/28/2013
Parent Sample Code				OU2MW-19I2						
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	45	NA	NA	NA	NA	15	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	NA	NA	NA	5 UJ	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	1 UJ	NA	NA	NA	NA	320 J	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	NA	NA	NA	R	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	1	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	11	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	5	NA	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	17	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 UJ	NA	NA	NA	NA	7 J	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	2 J	1 J	1 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	3 J	14	4 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	4 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	1 J	10 U	10 U	1 J	14	1 J	10 U
Naphthalene	10*	10 U	10 U	2 J	10 U	10 U	10	200	10 U	10 U
Phenanthrene	50*	10 U	10 U	2 J	10 U	10 U	10 U	1 J	3 J	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	5	ND	ND	16	231	13	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-19I	OU2MW-19I2	OU2MW-19I2	DUP-05 Q4	OU2MW-19I2	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-19D
Start Depth		13	35	35	35	35	35	65	65	65
End Depth		23	45	45	45	45	45	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/22/2012	11/7/2012	11/7/2012	1/28/2013	4/18/2013	8/22/2012	11/8/2012	1/28/2013
Parent Sample Code					OU2MW-19I2					
Total Metals (µg/L)										
Aluminum	NE	NA	21.5 UJ	NA	NA	NA	NA	34.7 UJ	NA	NA
Antimony	3	NA	1.8 U	NA	NA	NA	NA	1.8 U	NA	NA
Arsenic	25	NA	1.5 U	NA	NA	NA	NA	1.5 U	NA	NA
Barium	1000	NA	48.2 J	NA	NA	NA	NA	89.3 J	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA
Cadmium	5	NA	0.087 U	NA	NA	NA	NA	0.087 U	NA	NA
Calcium	NE	NA	34400 J	NA	NA	NA	NA	33800 J	NA	NA
Chromium	50	NA	0.6 UJ	NA	NA	NA	NA	0.34 U	NA	NA
Cobalt	NE	NA	3.7 J	NA	NA	NA	NA	6.2 J	NA	NA
Copper	200	NA	5.6 J	NA	NA	NA	NA	73.1	NA	NA
Iron	300	NA	28.1 J	NA	NA	NA	NA	1440	NA	NA
Lead	25	NA	2.4 J	NA	NA	NA	NA	6.6	NA	NA
Magnesium	35000*	NA	7740 J	NA	NA	NA	NA	11500 J	NA	NA
Manganese	300	NA	1520 J	NA	NA	NA	NA	969 J	NA	NA
Mercury	0.7	NA	0.1 U	NA	NA	NA	NA	0.1 U	NA	NA
Nickel	100	NA	2.1 UJ	NA	NA	NA	NA	29.1 J	NA	NA
Potassium	NE	NA	2920 UJ	NA	NA	NA	NA	8340 J	NA	NA
Selenium	10	NA	2.1 U	NA	NA	NA	NA	2.1 U	NA	NA
Silver	50	NA	0.29 U	NA	NA	NA	NA	0.29 U	NA	NA
Sodium	20000	NA	47800 J	NA	NA	NA	NA	60600 J	NA	NA
Thallium	0.5*	NA	2.9 U	NA	NA	NA	NA	2.9 U	NA	NA
Vanadium	NE	NA	0.18 U	NA	NA	NA	NA	1.3 J	NA	NA
Zinc	2000*	NA	5.7 UJ	NA	NA	NA	NA	20.2 U	NA	NA
Other (µg/L)										
Ammonia	2000	NA	110 J	NA	NA	NA	NA	100 UJ	NA	NA
Carbon dioxide	NE	NA	29900	NA	NA	NA	NA	63400	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	NA	470	NA	NA	NA	NA	100 U	NA	NA
Total Nitrogen	NE	NA	470	NA	NA	NA	NA	4140	NA	NA
Total Kjeldahl Nitrogen	NE	NA	500 U	NA	NA	NA	NA	4140	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	21	NA	NA	NA	NA	180	NA	NA
Sulfate	250000	12600	7260	NA	NA	NA	5000 U	13200	NA	NA
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	2000 U	NA	NA
Total Phosphorous	NE	NA	50 U	NA	NA	NA	NA	50 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val
Sample Name		OU2MW-19D	OU2MW-20S	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2
Start Depth		65	4	4	13	13	13	13	35	35
End Depth		70	9	9	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/21/2012	4/16/2013	8/21/2012	10/19/2012	1/28/2013	4/16/2013	8/21/2012	4/16/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	340	NA	1 U	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	398	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	R	NA	R	NA	NA	NA	R	NA
Ethanol	NE	NA	R	NA	R	NA	NA	NA	R	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val
Sample Name		OU2MW-19D	OU2MW-20S	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2
Start Depth		65	4	4	13	13	13	13	35	35
End Depth		70	9	9	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/21/2012	4/16/2013	8/21/2012	10/19/2012	1/28/2013	4/16/2013	8/21/2012	4/16/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	NA	1 J	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	NA	NA	R	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 UJ	NA	1 J	NA	NA	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	74	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	170 J	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Naphthalene	10*	1300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	1568	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Val	Red. Val.	Red. Val.	Val	Val	Val
Sample Name		OU2MW-19D	OU2MW-20S	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2
Start Depth		65	4	4	13	13	13	13	35	35
End Depth		70	9	9	23	23	23	23	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/18/2013	8/21/2012	4/16/2013	8/21/2012	10/19/2012	1/28/2013	4/16/2013	8/21/2012	4/16/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	43.7 UJ	NA	41.2 UJ	NA	NA	NA	22.3 UJ	NA
Antimony	3	NA	3.5 UJ	NA	1.8 U	NA	NA	NA	1.8 U	NA
Arsenic	25	NA	1.5 U	NA	1.5 U	NA	NA	NA	1.5 U	NA
Barium	1000	NA	3.7 J	NA	110 J	NA	NA	NA	51 J	NA
Beryllium	3*	NA	0.12 U	NA	0.12 U	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	0.087 U	NA	0.087 U	NA	NA	NA	0.2 J	NA
Calcium	NE	NA	23900 J	NA	46900 J	NA	NA	NA	16800 J	NA
Chromium	50	NA	0.34 U	NA	0.5 U	NA	NA	NA	1.7 UJ	NA
Cobalt	NE	NA	0.28 U	NA	1.8 J	NA	NA	NA	0.4 J	NA
Copper	200	NA	15.4 J	NA	1.9 J	NA	NA	NA	0.6 J	NA
Iron	300	NA	50 J	NA	99.3 J	NA	NA	NA	18.8 J	NA
Lead	25	NA	9.1	NA	4.9	NA	NA	NA	1.1 J	NA
Magnesium	35000*	NA	1950 J	NA	6820 J	NA	NA	NA	2620 J	NA
Manganese	300	NA	1.1 J	NA	315 J	NA	NA	NA	5070 J	NA
Mercury	0.7	NA	0.1 U	NA	0.1 U	NA	NA	NA	0.1 U	NA
Nickel	100	NA	2.7 UJ	NA	4.5 J	NA	NA	NA	0.8 UJ	NA
Potassium	NE	NA	65.3 U	NA	3210 UJ	NA	NA	NA	4480 UJ	NA
Selenium	10	NA	2.1 U	NA	2.1 U	NA	NA	NA	2.1 U	NA
Silver	50	NA	0.29 U	NA	0.29 U	NA	NA	NA	0.35 J	NA
Sodium	20000	NA	5140 J	NA	80400 J	NA	NA	NA	42200 J	NA
Thallium	0.5*	NA	2.9 U	NA	2.9 U	NA	NA	NA	2.9 U	NA
Vanadium	NE	NA	6.7 J	NA	0.4 J	NA	NA	NA	0.18 U	NA
Zinc	2000*	NA	27.7 U	NA	10.3 UJ	NA	NA	NA	5.6 UJ	NA
Other (µg/L)										
Ammonia	2000	NA	100 UJ	NA	100 UJ	NA	NA	NA	110 J	NA
Carbon dioxide	NE	NA	42200	NA	94200	NA	NA	NA	29900	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	1970	NA	100 U	NA	NA	NA	910	NA
Total Nitrogen	NE	NA	2340	NA	100 U	NA	NA	NA	1130	NA
Total Kjeldahl Nitrogen	NE	NA	380	NA	100 U	NA	NA	NA	220	NA
Standard Plate Count (cfu/mL)	NE	NA	53	NA	22	NA	NA	NA	13	NA
Sulfate	250000	66400	13300	16400	52700	NA	NA	56800	18700	23700
Sulfide	50*	NA	2000 U	NA	2000 U	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	NA	NA	50 U	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21S	OU2MW-21I	OU2MW-21I	OU2MW-21I2	DUP-09 Q3	OU2MW-21I2
Start Depth		65	65	5	5	13	13	35	35	35
End Depth		70	70	15	15	23	23	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	4/16/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	8/13/2012	5/8/2013
Parent Sample Code								OU2MW-21I2		
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Acetone	50*	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	5 UJ	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Carbon disulfide	60*	1 UJ	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chloroethane	5	1 UJ	NA	1 U	NA	1 U	NA	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	R	NA	R	NA	R	R	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	3	3	NA
Chloromethane	5	1 U	NA	1 UJ	NA	1 UJ	NA	1 UJ	1 UJ	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Cyclohexane	NE	10 U	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA
1,2-Dibromo-3-chloropropane	0.04	1 UJ	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 UJ	NA	1 UJ	NA	1 UJ	1 UJ	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,4-Dioxane	NE	R	NA	R	NA	R	NA	R	R	NA
Ethanol	NE	R	NA	R	NA	R	NA	R	R	NA
n-Heptane (C7)	NE	10 U	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
n-Hexane (C6)	NE	10 U	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA
2-Hexanone	50*	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	5 UJ	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21S	OU2MW-21I	OU2MW-21I	OU2MW-21I2	DUP-09 Q3	OU2MW-21I2
Start Depth		65	65	5	5	13	13	35	35	35
End Depth		70	70	15	15	23	23	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	4/16/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	8/13/2012	5/8/2013
Parent Sample Code								OU2MW-21I2		
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	2 J	NA	10 U	NA	10 U	NA	3 J	3 J	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	5 UJ	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	2 U	NA
Naphthalene	10*	1 UJ	NA	1 U	NA	1 U	NA	1 U	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	R	NA	R	R	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 UJ	NA	1 U	NA	1	1	NA
Tetrahydrofuran	50*	10 UJ	NA	10 U	NA	10 UJ	NA	10 UJ	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Val	Val	Red. Val.	Val	Red. Val.	Val	Val	Red. Val.
Sample Name		OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21S	OU2MW-21I	OU2MW-21I	OU2MW-21I2	DUP-09 Q3	OU2MW-21I2
Start Depth		65	65	5	5	13	13	35	35	35
End Depth		70	70	15	15	23	23	45	45	45
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	4/16/2013	8/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	8/13/2012	5/8/2013
Parent Sample Code								OU2MW-21I2		
Total Metals (µg/L)										
Aluminum	NE	31.1 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	12.4 J	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.087 U	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	6030 J	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	0.34 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	0.52 U	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	632	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	8.5	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	2400 J	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	310 J	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	3 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	1220 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	11100 J	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	2.9 U	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	0.18 U	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	6.3 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	100 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	22900	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	140	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	140	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	100 U	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	54	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	12500	20500	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	2000 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	50 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-22S	OU2MW-22S	OU2MW-22I	OU2MW-22I	OU2MW-22I	OU2MW-22I2	OU2MW-22I2	OU2MW-22D	OU2MW-22D
Start Depth		5	5	25	25	25	46	46	67	67
End Depth		15	15	30	30	30	51	51	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/16/2012	5/14/2013	8/16/2012	11/28/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
m/p-Xylene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	NA	1 U	NA	1 U	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	5	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Acetone	50*	5 UJ	NA	5 UJ	NA	NA	5 UJ	NA	5 UJ	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	1 UJ	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	1 UJ	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ	NA
2-Chloroethyl vinyl ether	NE	R	NA	R	NA	NA	R	NA	R	NA
Chloroform	7	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Cyclohexane	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 UJ	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	1 UJ	NA	1 UJ	NA	NA	1 UJ	NA	1 UJ	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	R	NA	R	NA	NA	R	NA	R	NA
Ethanol	NE	R	NA	R	NA	NA	R	NA	R	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	5 U	NA	5 U	NA	NA	5 U	NA	5 U	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-22S	OU2MW-22S	OU2MW-22I	OU2MW-22I	OU2MW-22I	OU2MW-22I2	OU2MW-22I2	OU2MW-22D	OU2MW-22D
Start Depth		5	5	25	25	25	46	46	67	67
End Depth		15	15	30	30	30	51	51	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/16/2012	5/14/2013	8/16/2012	11/28/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	NA	2 J	NA	3 J	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	5 U	NA	5 U	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	NA	R	NA	R	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Styrene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	4	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-22S	OU2MW-22S	OU2MW-22I	OU2MW-22I	OU2MW-22I	OU2MW-22I2	OU2MW-22I2	OU2MW-22D	OU2MW-22D
Start Depth		5	5	25	25	25	46	46	67	67
End Depth		15	15	30	30	30	51	51	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/16/2012	5/14/2013	8/16/2012	11/28/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23S	OU2MW-23S	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I2	OU2MW-23I2	OU2MW-23I2
Start Depth		5	5	25	25	25	25	45	45	45
End Depth		15	15	30	30	30	30	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/20/2012	5/15/2013	8/20/2012	11/28/2012	2/25/2013	5/15/2013	8/20/2012	11/28/2012	2/25/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	260	78	4
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	NA	NA	67	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	NA	NA	67	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	1 U	1 U	NA	13	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	399	91	4
Other VOCs (µg/L)										
Acetaldehyde	8*	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Acetone	50*	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	NA
2-Chloroethyl vinyl ether	NE	R	NA	R	NA	NA	NA	R	NA	NA
Chloroform	7	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	NA	NA	4 J	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	R	NA	R	NA	NA	NA	R	NA	NA
Ethanol	NE	R	NA	R	NA	NA	NA	R	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23S	OU2MW-23S	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I2	OU2MW-23I2	OU2MW-23I2
Start Depth		5	5	25	25	25	25	45	45	45
End Depth		15	15	30	30	30	30	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/20/2012	5/15/2013	8/20/2012	11/28/2012	2/25/2013	5/15/2013	8/20/2012	11/28/2012	2/25/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	NA	NA	13	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	5 UJ	NA	NA	NA	5 UJ	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	NA	NA	88	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	R	NA	NA	NA	R	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	NA	NA	5	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	10 UJ	NA	NA	NA	10 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	NA	NA	44	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	NA	NA	20	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	85	20	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	79	38	2 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	2 J	1 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	25	10	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	1 J	10 U	51	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	27	9 J	6 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	1	ND	268	81	9

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23S	OU2MW-23S	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I	OU2MW-23I2	OU2MW-23I2	OU2MW-23I2
Start Depth		5	5	25	25	25	25	45	45	45
End Depth		15	15	30	30	30	30	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/20/2012	5/15/2013	8/20/2012	11/28/2012	2/25/2013	5/15/2013	8/20/2012	11/28/2012	2/25/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23I2	OU2MW-23D	OU2MW-23D	OU2MW-24S	OU2MW-24S	OU2MW-24I	OU2MW-24I	OU2MW-24I2	DUP-14 Q3	
Start Depth		45	65	65	5	5	25	25	45	45	
End Depth		50	70	70	15	15	30	30	50	50	
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	
Sample Date		5/15/2013	8/20/2012	5/15/2013	8/17/2012	5/16/2013	8/17/2012	5/16/2013	8/16/2012	8/16/2012	
Parent Sample Code									OU2MW-24I2		
BTEX (µg/L)											
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	99	100	
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	4	
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	39	38	
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	44	43	
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	186	185	
Other VOCs (µg/L)											
Acetaldehyde	8*	NA	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	
Acetone	50*	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	5 UJ	5 UJ	
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Chloroethane	5	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	1 UJ	
2-Chloroethyl vinyl ether	NE	NA	R	NA	R	NA	R	NA	R	R	
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Cryofluorane (Freon-114)	NE	NA	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 UJ	NA	1 UJ	NA	1 UJ	1 UJ	
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,1-Dichloroethene	0.07	NA	1 U	NA	1 UJ	NA	1 UJ	NA	1 UJ	1 UJ	
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,4-Dioxane	NE	NA	R	NA	R	NA	R	NA	R	R	
Ethanol	NE	NA	R	NA	R	NA	R	NA	R	R	
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
2-Hexanone	50*	NA	5 UJ	NA	5 U	NA	5 U	NA	5 U	5 U	
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23I2	OU2MW-23D	OU2MW-23D	OU2MW-24S	OU2MW-24S	OU2MW-24I	OU2MW-24I	OU2MW-24I2	DUP-14 Q3	
Start Depth		45	65	65	5	5	25	25	45	45	
End Depth		50	70	70	15	15	30	30	50	50	
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	
Sample Date		5/15/2013	8/20/2012	5/15/2013	8/17/2012	5/16/2013	8/17/2012	5/16/2013	8/16/2012	8/16/2012	
Parent Sample Code									OU2MW-24I2		
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	5	5	
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
4-Methyl-2-pentanone (MIBK)	NE	NA	5 UJ	NA	5 U	NA	5 U	NA	5 U	5 U	
Methylene chloride	5	NA	2 U	NA	2 UJ	NA	2 UJ	NA	2 UJ	2 UJ	
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	580 J	530 J	
2-Propanol (Isopropyl Alcohol)	NE	NA	R	NA	R	NA	R	NA	R	R	
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1	1	
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	3	3	
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Tetrahydrofuran	50*	NA	10 UJ	NA	10 U	NA	10 U	NA	10 U	10 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	29	28	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	10	10	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	11	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	51	50	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	4 J	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	450	410	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J	6 J	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	523	481	

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-23I2	OU2MW-23D	OU2MW-23D	OU2MW-24S	OU2MW-24S	OU2MW-24I	OU2MW-24I	OU2MW-24I2	DUP-14 Q3	
Start Depth		45	65	65	5	5	25	25	45	45	
End Depth		50	70	70	15	15	30	30	50	50	
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	
Sample Date		5/15/2013	8/20/2012	5/15/2013	8/17/2012	5/16/2013	8/17/2012	5/16/2013	8/16/2012	8/16/2012	
Parent Sample Code										OU2MW-24I2	
Total Metals (µg/L)											
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)											
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	116000	64000 D	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-24I2	OU2MW-24I2	OU2MW-24I2	DUP-11 Q2	OU2MW-24D	OU2MW-24D	OU2MW-25S	OU2MW-25S	OU2MW-25I
Start Depth		45	45	45	45	62	62	5	5	25
End Depth		50	50	50	50	67	67	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/27/2012	2/28/2013	5/16/2013	5/16/2013	8/16/2012	5/16/2013	8/15/2012	5/15/2013	8/15/2012
Parent Sample Code				OU2MW-24I2						
BTEX (µg/L)										
Benzene	1	1	26	51	60	1 U	1 U	1 U	1 U	2
Toluene	5	1 U	1	7	7	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	49	49	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	1	39	240	240	NA	2	NA	1 U	NA
Total BTEX (ND=0)	NE	2	66	347	356	ND	2	ND	ND	2
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	NA	NA	5 UJ	NA	5 UJ	NA	5 UJ
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	1 UJ	NA	1 UJ
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 UJ	NA	1 UJ	NA	1 UJ
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	R	NA	R	NA	R
Chloroform	7	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 UJ	NA	1 UJ	NA	1 UJ
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 UJ	NA	1 U	NA	1 UJ
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	R	NA	R	NA	R
Ethanol	NE	NA	NA	NA	NA	R	NA	R	NA	R
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-24I2	OU2MW-24I2	OU2MW-24I2	DUP-11 Q2	OU2MW-24D	OU2MW-24D	OU2MW-25S	OU2MW-25S	OU2MW-25I
Start Depth		45	45	45	45	62	62	5	5	25
End Depth		50	50	50	50	67	67	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/27/2012	2/28/2013	5/16/2013	5/16/2013	8/16/2012	5/16/2013	8/15/2012	5/15/2013	8/15/2012
Parent Sample Code				OU2MW-24I2						
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 UJ	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	R	NA	R	NA	R
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	3 J	32	29	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	7 J	60	20	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	2 J	5 J	5 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	9 J	8 J	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	4 J	110	1500 D	1300 D	10 U	20	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	4 J	4 J	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	4	122	1610	1368	ND	20	ND	ND	ND

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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-24I2	OU2MW-24I2	OU2MW-24I2	DUP-11 Q2	OU2MW-24D	OU2MW-24D	OU2MW-25S	OU2MW-25S	OU2MW-25I
Start Depth		45	45	45	45	62	62	5	5	25
End Depth		50	50	50	50	67	67	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/27/2012	2/28/2013	5/16/2013	5/16/2013	8/16/2012	5/16/2013	8/15/2012	5/15/2013	8/15/2012
Parent Sample Code				OU2MW-24I2						
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	338000	107000 D	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-25I	OU2MW-25I	OU2MW-25I	OU2MW-25I2	OU2MW-25I2	OU2MW-25D	OU2MW-25D	OU2MW-26S	OU2MW-26S	
Start Depth		25	25	25	45	45	70	70	6	6	
End Depth		30	30	30	50	50	75	75	11	11	
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	
Sample Date		11/27/2012	2/28/2013	5/15/2013	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/14/2012	5/8/2013	
Parent Sample Code											
BTEX ($\mu\text{g/L}$)											
Benzene	1	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs ($\mu\text{g/L}$)											
Acetaldehyde	8*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Acetone	50*	NA	NA	NA	5 UJ	NA	5 UJ	NA	5 UJ	NA	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	1 UJ	NA	1 UJ	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	R	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	NA	NA	NA	1 UJ	NA	1 UJ	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	R	NA	R	NA	R	NA	NA
Chloroform	7	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 UJ	NA	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	10 U	NA	10 UJ	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 UJ	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	R	NA	R	NA	R	NA	NA
Ethanol	NE	NA	NA	NA	R	NA	R	NA	R	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 UJ	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 UJ	NA	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 UJ	NA	NA
Iodomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-25I	OU2MW-25I	OU2MW-25I	OU2MW-25I2	OU2MW-25I2	OU2MW-25D	OU2MW-25D	OU2MW-26S	OU2MW-26S
Start Depth		25	25	25	45	45	70	70	6	6
End Depth		30	30	30	50	50	75	75	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/27/2012	2/28/2013	5/15/2013	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/14/2012	5/8/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	5 U	NA	5 UJ	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	R	NA	R	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	10 U	NA	10 UJ	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 UJ	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	12	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-25I	OU2MW-25I	OU2MW-25I	OU2MW-25I2	OU2MW-25I2	OU2MW-25D	OU2MW-25D	OU2MW-26S	OU2MW-26S
Start Depth		25	25	25	45	45	70	70	6	6
End Depth		30	30	30	50	50	75	75	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/27/2012	2/28/2013	5/15/2013	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/14/2012	5/8/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-26I	OU2MW-26I	OU2MW-26I	OU2MW-26I2	OU2MW-26I2	OU2MW-26D	OU2MW-26D	OU2MW-26D	OU2MW-26D
Start Depth		13	13	13	35	35	60	60	60	60
End Depth		23	23	23	45	45	70	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	11/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	11/13/2012	2/13/2013	5/8/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	1 U	NA	5	NA	NA	NA
m/p-Xylene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Total Xylene	5	NA	1 U	1 U	NA	1 U	NA	6	16	1
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	5	6	16	1
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
Acetone	50*	5 UJ	NA	NA	5 UJ	NA	2 J	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	R	NA	NA	R	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Chloromethane	5	1 UJ	NA	NA	1 UJ	NA	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
Cyclohexane	NE	10 UJ	NA	NA	10 UJ	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 UJ	NA	NA	1 UJ	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	R	NA	NA	R	NA	500 U	NA	NA	NA
Ethanol	NE	R	NA	NA	R	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 UJ	NA	NA	10 UJ	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 UJ	NA	NA	10 UJ	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 UJ	NA	NA	5 UJ	NA	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-26I	OU2MW-26I	OU2MW-26I	OU2MW-26I2	OU2MW-26I2	OU2MW-26D	OU2MW-26D	OU2MW-26D	OU2MW-26D
Start Depth		13	13	13	35	35	60	60	60	60
End Depth		23	23	23	45	45	70	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	11/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	11/13/2012	2/13/2013	5/8/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	5 U	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	5 J	NA	8 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 UJ	NA	NA	5 UJ	NA	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	2 U	NA	2 U	NA	NA	NA
Naphthalene	10*	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	R	NA	NA	R	NA	500 U	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Styrene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 UJ	NA	NA	10 UJ	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	10 U	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 UJ	NA	NA	10 U	NA	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	1 U	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-26I	OU2MW-26I	OU2MW-26I	OU2MW-26I2	OU2MW-26I2	OU2MW-26D	OU2MW-26D	OU2MW-26D	OU2MW-26D
Start Depth		13	13	13	35	35	60	60	60	60
End Depth		23	23	23	45	45	70	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/13/2012	11/13/2012	5/8/2013	8/13/2012	5/8/2013	8/13/2012	11/13/2012	2/13/2013	5/8/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-27S	OU2MW-27S	OU2MW-27I	OU2MW-27I	OU2MW-27I2	OU2MW-27I2	OU2MW-27D	OU2MW-27D	OU2MW-27D
Start Depth		5	5	25	25	45	45	65	65	65
End Depth		15	15	30	30	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	12/26/2012	6/25/2013
Parent Sample Code										
BTEX ($\mu\text{g/L}$)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs ($\mu\text{g/L}$)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Acetone	50*	4 BJ	NA	2 BJ	NA	2 J	NA	2 BJ	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-27S	OU2MW-27S	OU2MW-27I	OU2MW-27I	OU2MW-27I2	OU2MW-27I2	OU2MW-27D	OU2MW-27D	OU2MW-27D
Start Depth		5	5	25	25	45	45	65	65	65
End Depth		15	15	30	30	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	12/26/2012	6/25/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	4 J	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	4	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	4 J	24	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	4	25	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-27S	OU2MW-27S	OU2MW-27I	OU2MW-27I	OU2MW-27I2	OU2MW-27I2	OU2MW-27D	OU2MW-27D	OU2MW-27D
Start Depth		5	5	25	25	45	45	65	65	65
End Depth		15	15	30	30	50	50	70	70	70
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	6/25/2013	8/21/2012	12/26/2012	6/25/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	234000 D	NA	141000 D
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-29I
Start Depth		5	5	28	28	40	40	40	40	18
End Depth		15	15	33	33	45	45	45	45	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	6/26/2013	8/6/2012	6/26/2013	8/6/2012	11/12/2012	2/20/2013	6/27/2013	8/7/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	9	NA	NA	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	4	6	2	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	9	4	6	2	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Acetone	50*	5 U	NA	2 J	NA	4 J	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-29I
Start Depth		5	5	28	28	40	40	40	40	18
End Depth		15	15	33	33	45	45	45	45	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	6/26/2013	8/6/2012	6/26/2013	8/6/2012	11/12/2012	2/20/2013	6/27/2013	8/7/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10	NA	NA	NA	2 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	3	NA	4	NA	1 U	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	2	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U
Naphthalene	10*	4 J	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Total PAH (17) (ND=0)	NE	4	ND	5	ND	1	ND	ND	ND	11

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-29I
Start Depth		5	5	28	28	40	40	40	40	18
End Depth		15	15	33	33	45	45	45	45	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	6/26/2013	8/6/2012	6/26/2013	8/6/2012	11/12/2012	2/20/2013	6/27/2013	8/7/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	9.5 U	NA	22.5 B	NA	49.2 B	NA	NA	NA	62.3 B
Antimony	3	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA	NA	1.1 U
Arsenic	25	4.4 U	NA	4.4 U	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	9.9 B	NA	39.4 B	NA	16.5 B	NA	NA	NA	71.2 B
Beryllium	3*	0.12 U	NA	0.12 U	NA	0.12 U	NA	NA	NA	0.12 U
Cadmium	5	0.18 U	NA	0.18 U	NA	0.2 B	NA	NA	NA	0.18 U
Calcium	NE	19400 E	NA	14300 E	NA	13400 E	NA	NA	NA	39800 E
Chromium	50	1.5 B	NA	1.4 B	NA	1.9 B	NA	NA	NA	1.7 B
Cobalt	NE	0.52 U	NA	0.52 U	NA	2.9 B	NA	NA	NA	6.4 B
Copper	200	0.7 U	NA	0.7 U	NA	0.7 U	NA	NA	NA	0.7 U
Iron	300	29.5 U	NA	188	NA	106	NA	NA	NA	363
Lead	25	2.9 B	NA	3.2	NA	6.1	NA	NA	NA	6.3
Magnesium	35000*	2390 BE	NA	2040 BE	NA	3930 BE	NA	NA	NA	5830 E
Manganese	300	3.9 BE	NA	1540 E	NA	2070 E	NA	NA	NA	215 E
Mercury	0.7	0.1 U	NA	0.1 U	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	3.9 B	NA	2.7 B	NA	1.2 B	NA	NA	NA	5.3 B
Potassium	NE	1560 BE	NA	2760 BE	NA	4830 BE	NA	NA	NA	6090 E
Selenium	10	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	2.8 U
Silver	50	0.32 U	NA	0.32 U	NA	0.33 B	NA	NA	NA	0.32 U
Sodium	20000	12500 E	NA	40300 E	NA	28800 E	NA	NA	NA	64900 E
Thallium	0.5*	6.5 B	NA	3.2 U	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	0.3 B	NA	0.23 U	NA	0.23 U	NA	NA	NA	0.3 B
Zinc	2000*	16.1 B	NA	21	NA	27.4	NA	NA	NA	159
Other (µg/L)										
Ammonia	2000	100 U	NA	320	NA	110	NA	NA	NA	100 U
Carbon dioxide	NE	46600	NA	26400	NA	28200	NA	NA	NA	66000
Nitrogen, Nitrite	1000	100 U	NA	100 U	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	3000 D	NA	320	NA	220	NA	NA	NA	100 U
Total Nitrogen	NE	3210	NA	830	NA	400	NA	NA	NA	150
Total Kjeldahl Nitrogen	NE	210	NA	510	NA	180	NA	NA	NA	150
Standard Plate Count (cfu/mL)	NE	60	NA	54	NA	43	NA	NA	NA	32
Sulfate	250000	35600	18800	19700	24100	34000	NA	NA	28900	64800 D
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	NA	NA	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	OU2MW-29I2	OU2MW-29D	OU2MW-29D	OU2MW-29D	OU2MW-29D
Start Depth		18	18	30	30	30	45	45	45	45
End Depth		23	23	35	35	35	50	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/20/2013	6/27/2013	8/7/2012	2/20/2013	6/27/2013	8/8/2012	11/12/2012	2/20/2013	6/27/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	8	4	3	2
Toluene	5	1 U	1 U	1 U	1 U	1 U	2	1	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	3	1	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	36	NA	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	14	NA	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	1 U	NA	28	15	10
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	63	34	18	12
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	3 J	NA	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	OU2MW-29I2	OU2MW-29D	OU2MW-29D	OU2MW-29D	OU2MW-29D
Start Depth		18	18	30	30	30	45	45	45	45
End Depth		23	23	35	35	35	50	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/20/2013	6/27/2013	8/7/2012	2/20/2013	6/27/2013	8/8/2012	11/12/2012	2/20/2013	6/27/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	NA	35	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	2 J	NA	NA	7 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	530 D	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	20	NA	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	4	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	3	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	21	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	62	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	25	11	9 J	4 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	230 DJ	74	55	15
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	1 J	2 J	2 J	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	3 J	1 J	1 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	1100 D	220 D	120 D	31
Phenanthrene	50*	10 U	10 U	1 J	10 U	10 U	43	20	20	8 J
Pyrene	50*	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	33	ND	ND	1402	328	207	58

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	OU2MW-29I2	OU2MW-29D	OU2MW-29D	OU2MW-29D	OU2MW-29D
Start Depth		18	18	30	30	30	45	45	45	45
End Depth		23	23	35	35	35	50	50	50	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/20/2013	6/27/2013	8/7/2012	2/20/2013	6/27/2013	8/8/2012	11/12/2012	2/20/2013	6/27/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	146 B	NA	NA	9.5 U	NA	NA	NA
Antimony	3	NA	NA	1.1 U	NA	NA	1.1 U	NA	NA	NA
Arsenic	25	NA	NA	4.4 U	NA	NA	4.4 U	NA	NA	NA
Barium	1000	NA	NA	160 B	NA	NA	87.4 B	NA	NA	NA
Beryllium	3*	NA	NA	0.12 U	NA	NA	0.12 U	NA	NA	NA
Cadmium	5	NA	NA	0.18 U	NA	NA	0.18 U	NA	NA	NA
Calcium	NE	NA	NA	36700 E	NA	NA	30600 E	NA	NA	NA
Chromium	50	NA	NA	1.7 B	NA	NA	5.6 B	NA	NA	NA
Cobalt	NE	NA	NA	7.6 B	NA	NA	77.3	NA	NA	NA
Copper	200	NA	NA	0.7 U	NA	NA	0.7 U	NA	NA	NA
Iron	300	NA	NA	865	NA	NA	42300	NA	NA	NA
Lead	25	NA	NA	7.4	NA	NA	5.2	NA	NA	NA
Magnesium	35000*	NA	NA	5680 E	NA	NA	9790 E	NA	NA	NA
Manganese	300	NA	NA	1700 E	NA	NA	12800 E	NA	NA	NA
Mercury	0.7	NA	NA	0.1 U	NA	NA	0.1 U	NA	NA	NA
Nickel	100	NA	NA	8.7 B	NA	NA	171	NA	NA	NA
Potassium	NE	NA	NA	5600 E	NA	NA	9580 E	NA	NA	NA
Selenium	10	NA	NA	2.8 U	NA	NA	6.1	NA	NA	NA
Silver	50	NA	NA	0.32 U	NA	NA	1.8 B	NA	NA	NA
Sodium	20000	NA	NA	80400 E	NA	NA	76600 E	NA	NA	NA
Thallium	0.5*	NA	NA	3.2 U	NA	NA	3.2 U	NA	NA	NA
Vanadium	NE	NA	NA	0.23 U	NA	NA	0.23 U	NA	NA	NA
Zinc	2000*	NA	NA	62	NA	NA	15.2 B	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	280	NA	NA	500	NA	NA	NA
Carbon dioxide	NE	NA	NA	48400	NA	NA	79200	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	NA	100 U	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	150	NA	NA	100 U	NA	NA	NA
Total Nitrogen	NE	NA	NA	590	NA	NA	1210	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	450	NA	NA	1210	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	82	NA	NA	12	NA	NA	NA
Sulfate	250000	NA	35600	81100 D	NA	85300 D	134000 D	NA	NA	159000 D
Sulfide	50*	NA	NA	2000 U	NA	NA	2000 U	NA	NA	NA
Total Phosphorous	NE	NA	NA	50 U	NA	NA	50 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30I	DUP-06 Q3	OU2MW-30I	OU2MW-30I	OU2MW-30I
Start Depth		5	5	5	5	25	25	25	25	25
End Depth		15	15	15	15	30	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	8/6/2012	11/12/2012	2/19/2013	6/27/2013
Parent Sample Code						OU2MW-30I				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
m/p-Xylene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Total Xylene	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Acetone	50*	5 U	NA	NA	NA	2 J	1 J	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Cyclohexane	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30I	DUP-06 Q3	OU2MW-30I	OU2MW-30I	OU2MW-30I
Start Depth		5	5	5	5	25	25	25	25	25
End Depth		15	15	15	15	30	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	8/6/2012	11/12/2012	2/19/2013	6/27/2013
Parent Sample Code						OU2MW-30I				
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	2 U	2 U	NA	NA	NA
Naphthalene	10*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	2 J	1 J	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	6	1	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30I	DUP-06 Q3	OU2MW-30I	OU2MW-30I	OU2MW-30I
Start Depth		5	5	5	5	25	25	25	25	25
End Depth		15	15	15	15	30	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	8/6/2012	11/12/2012	2/19/2013	6/27/2013
Parent Sample Code						OU2MW-30I				
Total Metals (µg/L)										
Aluminum	NE	9.6 B	NA	NA	NA	9.5 U	9.5 U	NA	NA	NA
Antimony	3	1.1 U	NA	NA	NA	1.1 U	1.4 B	NA	NA	NA
Arsenic	25	4.4 U	NA	NA	NA	4.4 U	4.4 U	NA	NA	NA
Barium	1000	10.8 B	NA	NA	NA	21.9 B	45.3 B	NA	NA	NA
Beryllium	3*	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA
Cadmium	5	0.18 U	NA	NA	NA	0.18 U	0.18 U	NA	NA	NA
Calcium	NE	40200 E	NA	NA	NA	26200 E	53600 E	NA	NA	NA
Chromium	50	1.6 B	NA	NA	NA	1.5 B	1.1 B	NA	NA	NA
Cobalt	NE	0.52 U	NA	NA	NA	1.2 B	2.7 B	NA	NA	NA
Copper	200	0.7 U	NA	NA	NA	0.7 U	0.7 U	NA	NA	NA
Iron	300	82.4 B	NA	NA	NA	76.4 B	116	NA	NA	NA
Lead	25	5	NA	NA	NA	3.6	5.5	NA	NA	NA
Magnesium	35000*	5810 E	NA	NA	NA	4890 BE	10100 E	NA	NA	NA
Manganese	300	4.7 BE	NA	NA	NA	146 E	288 E	NA	NA	NA
Mercury	0.7	0.1 U	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA
Nickel	100	3.7 B	NA	NA	NA	3.7 B	2.7 B	NA	NA	NA
Potassium	NE	2410 BE	NA	NA	NA	1820 BE	3690 BE	NA	NA	NA
Selenium	10	2.8 U	NA	NA	NA	2.8 U	2.8 U	NA	NA	NA
Silver	50	0.32 U	NA	NA	NA	0.32 U	0.32 U	NA	NA	NA
Sodium	20000	32300 E	NA	NA	NA	32400 E	68300 E	NA	NA	NA
Thallium	0.5*	3.2 U	NA	NA	NA	3.2 U	3.2 U	NA	NA	NA
Vanadium	NE	21.1 B	NA	NA	NA	0.23 U	0.5 B	NA	NA	NA
Zinc	2000*	101	NA	NA	NA	13.8 B	7.6 B	NA	NA	NA
Other (µg/L)										
Ammonia	2000	100 U	NA	NA	NA	280	110	NA	NA	NA
Carbon dioxide	NE	36100	NA	NA	NA	50200	44900	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	100 U	100 U	NA	NA	NA
Nitrogen, Nitrate	10000	3360 D	NA	NA	NA	900	910	NA	NA	NA
Total Nitrogen	NE	100 U	NA	NA	NA	1250	1240	NA	NA	NA
Total Kjeldahl Nitrogen	NE	500 U	NA	NA	NA	350	340	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	52	NA	NA	NA	53	55	NA	NA	NA
Sulfate	250000	25600	NA	NA	34400	29400	29500	NA	NA	7860
Sulfide	50*	2000 U	NA	NA	NA	2000 U	2000 U	NA	NA	NA
Total Phosphorous	NE	50 U	NA	NA	NA	50 U	50 U	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30I2	OU2MW-30I2	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30I3	OU2MW-30I3	OU2MW-30D
Start Depth		30	30	30	30	45	45	45	45	50
End Depth		35	35	35	35	50	50	50	50	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	18
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	18
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	2 J	NA	NA	NA	1 J	NA	NA	NA	3 J
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	2	NA	NA	NA	3
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-302	OU2MW-302	OU2MW-302	OU2MW-302	OU2MW-303	OU2MW-303	OU2MW-303	OU2MW-303	OU2MW-30D
Start Depth		30	30	30	30	45	45	45	45	50
End Depth		35	35	35	35	50	50	50	50	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	4 J	NA	NA	NA	5 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	1 U	NA	NA	NA	3	NA	NA	NA	6
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1	NA	NA	NA	2	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	15
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	5 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	3	ND	ND	ND	5

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-302	OU2MW-302	OU2MW-302	OU2MW-302	OU2MW-303	OU2MW-303	OU2MW-303	OU2MW-303	OU2MW-30D
Start Depth		30	30	30	30	45	45	45	45	50
End Depth		35	35	35	35	50	50	50	50	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/6/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	10 B	NA	NA	NA	20.9 B	NA	NA	NA	9.5 U
Antimony	3	1.1 U	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U
Arsenic	25	4.4 U	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	9.4 B	NA	NA	NA	14.3 B	NA	NA	NA	30.3 B
Beryllium	3*	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U
Cadmium	5	0.18 U	NA	NA	NA	0.2 B	NA	NA	NA	0.5 B
Calcium	NE	8760 E	NA	NA	NA	13400 E	NA	NA	NA	22000 E
Chromium	50	1.6 B	NA	NA	NA	1.1 B	NA	NA	NA	1.9 B
Cobalt	NE	0.8 B	NA	NA	NA	5 B	NA	NA	NA	3.3 B
Copper	200	3.4 B	NA	NA	NA	0.7 U	NA	NA	NA	0.7 U
Iron	300	61.6 B	NA	NA	NA	29.5 U	NA	NA	NA	29.5 U
Lead	25	1.7 U	NA	NA	NA	1.7 U	NA	NA	NA	6.7
Magnesium	35000*	1450 BE	NA	NA	NA	2210 BE	NA	NA	NA	5920 E
Manganese	300	230 E	NA	NA	NA	2800 E	NA	NA	NA	3590 E
Mercury	0.7	0.1 U	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	4.5 B	NA	NA	NA	7.7 B	NA	NA	NA	6.4 B
Potassium	NE	791 BE	NA	NA	NA	1820 BE	NA	NA	NA	3340 BE
Selenium	10	2.8 U	NA	NA	NA	2.8 U	NA	NA	NA	3.3 B
Silver	50	0.32 U	NA	NA	NA	0.32 U	NA	NA	NA	0.43 B
Sodium	20000	12000 E	NA	NA	NA	23400 E	NA	NA	NA	40300 E
Thallium	0.5*	3.2 U	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	0.23 U	NA	NA	NA	0.23 U	NA	NA	NA	0.23 U
Zinc	2000*	12.4 B	NA	NA	NA	6.3 B	NA	NA	NA	7.8 B
Other (µg/L)										
Ammonia	2000	230	NA	NA	NA	460	NA	NA	NA	280
Carbon dioxide	NE	38700	NA	NA	NA	36100	NA	NA	NA	33400
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	760	NA	NA	NA	440	NA	NA	NA	100 U
Total Nitrogen	NE	1160	NA	NA	NA	860	NA	NA	NA	710
Total Kjeldahl Nitrogen	NE	400	NA	NA	NA	430	NA	NA	NA	710
Standard Plate Count (cfu/mL)	NE	16	NA	NA	NA	54	NA	NA	NA	41
Sulfate	250000	42200	NA	NA	19700	40500	NA	NA	30200	71500 D
Sulfide	50*	2000 U	NA	NA	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	50 U	NA	NA	NA	50 U	NA	NA	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30D	OU2MW-30D	OU2MW-30D	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-311	OU2MW-311
Start Depth		50	50	50	60	60	60	60	18	18
End Depth		55	55	55	65	65	65	65	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/7/2012	6/24/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	12	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	4	NA	NA	NA	1 U	NA
Total Xylene	5	4	2	1 U	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	4	2	ND	18	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30D	OU2MW-30D	OU2MW-30D	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-311	OU2MW-311
Start Depth		50	50	50	60	60	60	60	18	18
End Depth		55	55	55	65	65	65	65	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/7/2012	6/24/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	7 J	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	300 D	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	5	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	3	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	5	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	2	ND	ND	ND	ND	ND

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-30D	OU2MW-30D	OU2MW-30D	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-311	OU2MW-311
Start Depth		50	50	50	60	60	60	60	18	18
End Depth		55	55	55	65	65	65	65	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/12/2012	2/19/2013	6/27/2013	8/6/2012	11/12/2012	2/19/2013	6/27/2013	8/7/2012	6/24/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	9.5 U	NA	NA	NA	29.5 B	NA
Antimony	3	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA
Arsenic	25	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U	NA
Barium	1000	NA	NA	NA	14.1 B	NA	NA	NA	41.4 B	NA
Beryllium	3*	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	NA	NA	0.3 B	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	NA	NA	9840 E	NA	NA	NA	48200 E	NA
Chromium	50	NA	NA	NA	2 B	NA	NA	NA	1.5 B	NA
Cobalt	NE	NA	NA	NA	4.4 B	NA	NA	NA	4.7 B	NA
Copper	200	NA	NA	NA	0.7 U	NA	NA	NA	0.7 U	NA
Iron	300	NA	NA	NA	29.5 U	NA	NA	NA	250	NA
Lead	25	NA	NA	NA	5.6	NA	NA	NA	8.5	NA
Magnesium	35000*	NA	NA	NA	3440 BE	NA	NA	NA	5200 E	NA
Manganese	300	NA	NA	NA	12800 E	NA	NA	NA	234 E	NA
Mercury	0.7	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U	NA
Nickel	100	NA	NA	NA	6.8 B	NA	NA	NA	3.5 B	NA
Potassium	NE	NA	NA	NA	2800 BE	NA	NA	NA	6000 E	NA
Selenium	10	NA	NA	NA	6.2	NA	NA	NA	3.8 B	NA
Silver	50	NA	NA	NA	1.8 B	NA	NA	NA	0.32 U	NA
Sodium	20000	NA	NA	NA	33200 E	NA	NA	NA	44800 E	NA
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	NA	NA	0.23 U	NA	NA	NA	0.5 B	NA
Zinc	2000*	NA	NA	NA	8.1 B	NA	NA	NA	496	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	100	NA	NA	NA	100 U	NA
Carbon dioxide	NE	NA	NA	NA	33400	NA	NA	NA	26400	NA
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	NA	340	NA	NA	NA	950	NA
Total Nitrogen	NE	NA	NA	NA	560	NA	NA	NA	950	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	220	NA	NA	NA	100 U	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	13000 D	NA	NA	NA	140	NA
Sulfate	250000	NA	NA	87500 D	82400 D	NA	NA	376000 D	51800 D	18200
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	NA	NA	50 U	NA	NA	NA	50 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-3112	OU2MW-3112	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	OU2MW-32I2
Start Depth		30	30	5	5	20	20	30	30	30
End Depth		35	35	15	15	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	11/12/2012	2/20/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	54	180	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	6	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	50	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	60	233	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Acetone	50*	5 U	NA	1 J	NA	5 U	NA	5 U	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-3112	OU2MW-3112	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	OU2MW-32I2
Start Depth		30	30	5	5	20	20	30	30	30
End Depth		35	35	15	15	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	11/12/2012	2/20/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	7	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	2	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	1 J	21	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	5 J	10 U	10 U	3 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	3 J	100 D	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	12	ND	4	128	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-3112	OU2MW-3112	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	OU2MW-32I2
Start Depth		30	30	5	5	20	20	30	30	30
End Depth		35	35	15	15	25	25	35	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	6/24/2013	8/7/2012	11/12/2012	2/20/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	9.5 U	NA	23 B	NA	9.5 U	NA	9.5 U	NA	NA
Antimony	3	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA
Arsenic	25	4.4 U	NA	4.4 U	NA	4.9 B	NA	4.4 U	NA	NA
Barium	1000	76.6 B	NA	14.1 B	NA	31.9 B	NA	52.8 B	NA	NA
Beryllium	3*	0.12 U	NA	0.12 U	NA	0.12 U	NA	0.12 U	NA	NA
Cadmium	5	1 B	NA	0.18 U	NA	0.18 U	NA	0.18 U	NA	NA
Calcium	NE	27800 E	NA	27600 E	NA	38800 E	NA	34900 E	NA	NA
Chromium	50	0.9 B	NA	1.3 B	NA	5.4 B	NA	1 B	NA	NA
Cobalt	NE	3 B	NA	0.52 U	NA	0.52 U	NA	3.1 B	NA	NA
Copper	200	0.7 U	NA	0.7 U	NA	0.7 U	NA	0.7 U	NA	NA
Iron	300	29.5 U	NA	46.1 B	NA	46300	NA	2890	NA	NA
Lead	25	5	NA	4.7	NA	5.8	NA	7.2	NA	NA
Magnesium	35000*	5370 E	NA	4680 BE	NA	16200 E	NA	5850 E	NA	NA
Manganese	300	3320 E	NA	6 BE	NA	350 E	NA	1830 E	NA	NA
Mercury	0.7	0.1 U	NA	0.1 U	NA	0.1 U	NA	0.1 U	NA	NA
Nickel	100	1.2 B	NA	1.6 B	NA	56.5	NA	2.6 B	NA	NA
Potassium	NE	4030 BE	NA	2180 BE	NA	4950 BE	NA	3910 BE	NA	NA
Selenium	10	3.3 B	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA
Silver	50	0.45 B	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	NA
Sodium	20000	55600 E	NA	46000 E	NA	36100 E	NA	51500 E	NA	NA
Thallium	0.5*	3.2 U	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	NA
Vanadium	NE	0.23 U	NA	0.23 U	NA	0.5 B	NA	0.23 U	NA	NA
Zinc	2000*	20.1	NA	12.4 B	NA	6.4 B	NA	12.7 B	NA	NA
Other (µg/L)										
Ammonia	2000	100 U	NA	100 U	NA	210	NA	100 U	NA	NA
Carbon dioxide	NE	22000	NA	30800	NA	70400	NA	44000	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	100 U	NA	100 U	NA	100 U	NA	NA
Nitrogen, Nitrate	10000	490	NA	2590 D	NA	100 U	NA	100 U	NA	NA
Total Nitrogen	NE	490	NA	2590	NA	260	NA	100 U	NA	NA
Total Kjeldahl Nitrogen	NE	100 U	NA	100 U	NA	260	NA	100 U	NA	NA
Standard Plate Count (cfu/mL)	NE	20	NA	21	NA	120	NA	53	NA	NA
Sulfate	250000	50000	40600	12900	10900	50700 D	41800	43300	NA	NA
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	NA	50 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-32I2	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33S	OU2MW-33I	OU2MW-33I
Start Depth		30	40	40	40	40	5	5	25	25
End Depth		35	45	45	45	45	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/24/2013	8/7/2012	11/12/2012	2/20/2013	6/24/2013	8/8/2012	6/21/2013	8/8/2012	6/21/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	330 D	160	110	150	1 U	1 U	1 U	1 U
Toluene	5	1 U	10	3	3	8	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	9	1 U	6	13	1 U	1 U	1 U	1 U
o-Xylene	5	NA	48	NA	NA	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	49	NA	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	54	49	160	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	446	217	168	331	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Acetone	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-32I	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33S	OU2MW-33I	OU2MW-33I
Start Depth		30	40	40	40	40	5	5	25	25
End Depth		35	45	45	45	45	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/24/2013	8/7/2012	11/12/2012	2/20/2013	6/24/2013	8/8/2012	6/21/2013	8/8/2012	6/21/2013
Parent Sample Code										
Isopropyl benzene	5	NA	12	NA	NA	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1800 D	NA	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	6	NA	NA	NA	1 U	NA	1 U	NA
Styrene	5	NA	10	NA	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	40	NA	NA	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	37	NA	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	17	7 J	12	24	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	120 DJ	31	60	180 DJ	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	24	7 J	7 J	31	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	16	10 U	5 J	12	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	1400 D	180 D	740 D	1200 D	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	1 J	10 U	1 J	4 J	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	1578	225	825	1451	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-32I2	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33S	OU2MW-33I	OU2MW-33I
Start Depth		30	40	40	40	40	5	5	25	25
End Depth		35	45	45	45	45	15	15	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/24/2013	8/7/2012	11/12/2012	2/20/2013	6/24/2013	8/8/2012	6/21/2013	8/8/2012	6/21/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	4.4 U	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	59.5 B	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	0.5 B	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	18300 E	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	1.6 B	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	10.8 B	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	0.7 U	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	265	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	8.9	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	4660 BE	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	3060 E	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	7.4 B	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	4210 BE	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	3 B	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	0.5 B	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	43600 E	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	3.2 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	0.23 U	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	8.4 B	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	35200	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	12	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	7780	49700	NA	NA	38600	NA	NA	NA	NA
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	50 U	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-33I2	OU2MW-33I2	OU2MW-33D	OU2MW-33D	OU2MW-34S	OU2MW-34S	OU2MW-34I	DUP-18 Q3	OU2MW-34I
Start Depth		35	35	50	50	5	5	25	25	25
End Depth		40	40	55	55	15	15	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/8/2012	6/21/2013	8/8/2012	6/21/2013	9/5/2012	4/29/2013	9/4/2012	9/4/2012	10/25/2012
Parent Sample Code										OU2MW-34I
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	3	1 U	1 U	5	5	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Total Xylene	5	NA	1 U	NA	3	NA	1 U	NA	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	6	ND	ND	5	5	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Acetone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	500 U	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	500 U	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-33I2	OU2MW-33I2	OU2MW-33D	OU2MW-33D	OU2MW-34S	OU2MW-34S	OU2MW-34I	DUP-18 Q3	OU2MW-34I
Start Depth		35	35	50	50	5	5	25	25	25
End Depth		40	40	55	55	15	15	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/8/2012	6/21/2013	8/8/2012	6/21/2013	9/5/2012	4/29/2013	9/4/2012	9/4/2012	10/25/2012
Parent Sample Code								OU2MW-34I		
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	2 U	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	5	5	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	500 U	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	16	10 U	10 U	4 J	4 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	16	ND	ND	4	4	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-33I2	OU2MW-33I2	OU2MW-33D	OU2MW-33D	OU2MW-34S	OU2MW-34S	OU2MW-34I	DUP-18 Q3	OU2MW-34I
Start Depth		35	35	50	50	5	5	25	25	25
End Depth		40	40	55	55	15	15	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/8/2012	6/21/2013	8/8/2012	6/21/2013	9/5/2012	4/29/2013	9/4/2012	9/4/2012	10/25/2012
Parent Sample Code								OU2MW-34I		
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-34I	OU2MW-34I	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I
Start Depth		25	25	45	45	45	45	5	5	25
End Depth		30	30	50	50	50	50	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	9/4/2012	10/25/2012	1/28/2013	4/29/2013	8/17/2012	5/14/2013	8/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	19	19	1 U	120	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	2	NA	NA	NA	1 U	NA	1 U
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Total Xylene	5	1 U	1 U	NA	8	1 U	14	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	21	27	ND	134	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Acetone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-34I	OU2MW-34I	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I
Start Depth		25	25	45	45	45	45	5	5	25
End Depth		30	30	50	50	50	50	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	9/4/2012	10/25/2012	1/28/2013	4/29/2013	8/17/2012	5/14/2013	8/17/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	2 J	NA	NA	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	9	NA	NA	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1	NA	NA	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	2 J	2 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	6 J	1 J	10 U	18	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	1 J	10 U	10 U	3 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	7 J	13	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	10	16	16	ND	21	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-34I	OU2MW-34I	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I
Start Depth		25	25	45	45	45	45	5	5	25
End Depth		30	30	50	50	50	50	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/28/2013	4/29/2013	9/4/2012	10/25/2012	1/28/2013	4/29/2013	8/17/2012	5/14/2013	8/17/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	9.5 U	NA	9.5 U
Antimony	3	NA	NA	NA	NA	NA	NA	1.1 U	NA	1.1 U
Arsenic	25	NA	NA	NA	NA	NA	NA	4.4 U	NA	4.4 U
Barium	1000	NA	NA	NA	NA	NA	NA	11.1 B	NA	18.5 B
Beryllium	3*	NA	NA	NA	NA	NA	NA	0.12 U	NA	0.12 U
Cadmium	5	NA	NA	NA	NA	NA	NA	0.18 U	NA	0.18 U
Calcium	NE	NA	NA	NA	NA	NA	NA	31100	NA	43400
Chromium	50	NA	NA	NA	NA	NA	NA	2.5 B	NA	2 B
Cobalt	NE	NA	NA	NA	NA	NA	NA	0.52 U	NA	0.52 U
Copper	200	NA	NA	NA	NA	NA	NA	4.7 B	NA	3.1 B
Iron	300	NA	NA	NA	NA	NA	NA	8.5 B	NA	4.8 B
Lead	25	NA	NA	NA	NA	NA	NA	1.7 U	NA	1.7 B
Magnesium	35000*	NA	NA	NA	NA	NA	NA	4160 B	NA	8360
Manganese	300	NA	NA	NA	NA	NA	NA	4.8 B	NA	420
Mercury	0.7	NA	NA	NA	NA	NA	NA	0.1 U	NA	0.1 U
Nickel	100	NA	NA	NA	NA	NA	NA	0.64 U	NA	0.64 U
Potassium	NE	NA	NA	NA	NA	NA	NA	3470 B	NA	4050 B
Selenium	10	NA	NA	NA	NA	NA	NA	3 B	NA	3.8 B
Silver	50	NA	NA	NA	NA	NA	NA	0.32 U	NA	0.32 U
Sodium	20000	NA	NA	NA	NA	NA	NA	15500	NA	46000
Thallium	0.5*	NA	NA	NA	NA	NA	NA	3.2 U	NA	3.2 U
Vanadium	NE	NA	NA	NA	NA	NA	NA	1.5 B	NA	0.23 U
Zinc	2000*	NA	NA	NA	NA	NA	NA	19.5 B	NA	24.5
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	180	NA	100 U
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	31700	NA	32600
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	100 U	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	1070	NA	1280 D
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	10500	NA	1280
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	9450 D	NA	100 U
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	13	NA	16
Sulfate	250000	NA	NA	NA	NA	NA	NA	14500	20200	12200
Sulfide	50*	NA	NA	NA	NA	NA	NA	2000 U	NA	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	50 U	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-36S	OU2MW-36S
Start Depth		25	45	45	57	57	57	57	5	5
End Depth		30	50	50	62	62	62	62	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/14/2013	8/17/2012	5/14/2013	8/17/2012	11/28/2012	2/26/2013	5/14/2013	8/15/2012	5/15/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	5 U	NA	1 J	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-36S	OU2MW-36S
Start Depth		25	45	45	57	57	57	57	5	5
End Depth		30	50	50	62	62	62	62	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/14/2013	8/17/2012	5/14/2013	8/17/2012	11/28/2012	2/26/2013	5/14/2013	8/15/2012	5/15/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-36S	OU2MW-36S
Start Depth		25	45	45	57	57	57	57	5	5
End Depth		30	50	50	62	62	62	62	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/14/2013	8/17/2012	5/14/2013	8/17/2012	11/28/2012	2/26/2013	5/14/2013	8/15/2012	5/15/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	48.8 B	NA	NA	NA	9.5 U	NA
Antimony	3	NA	1.1 U	NA	1.1 U	NA	NA	NA	3 B	NA
Arsenic	25	NA	4.4 U	NA	4.4 U	NA	NA	NA	4.4 U	NA
Barium	1000	NA	20.7 B	NA	39.8 B	NA	NA	NA	10.7 B	NA
Beryllium	3*	NA	0.12 U	NA	0.12 U	NA	NA	NA	0.12 U	NA
Cadmium	5	NA	0.3 B	NA	0.18 U	NA	NA	NA	0.18 U	NA
Calcium	NE	NA	10400	NA	14100	NA	NA	NA	24100	NA
Chromium	50	NA	1.8 B	NA	1.8 B	NA	NA	NA	2.4 B	NA
Cobalt	NE	NA	19 B	NA	1.8 B	NA	NA	NA	0.52 U	NA
Copper	200	NA	2.7 B	NA	2.2 B	NA	NA	NA	4.6 B	NA
Iron	300	NA	7.6 B	NA	107	NA	NA	NA	12 B	NA
Lead	25	NA	4.9	NA	7	NA	NA	NA	2.9 B	NA
Magnesium	35000*	NA	3350 B	NA	3960 B	NA	NA	NA	2490 B	NA
Manganese	300	NA	414	NA	337	NA	NA	NA	1.9 B	NA
Mercury	0.7	NA	0.1 U	NA	0.1 U	NA	NA	NA	0.1 U	NA
Nickel	100	NA	7.9 B	NA	16.1 B	NA	NA	NA	0.64 U	NA
Potassium	NE	NA	1250 B	NA	2320 B	NA	NA	NA	2130 B	NA
Selenium	10	NA	2.8 U	NA	4.2 B	NA	NA	NA	2.8 U	NA
Silver	50	NA	0.32 U	NA	0.32 U	NA	NA	NA	0.32 U	NA
Sodium	20000	NA	8880	NA	34500	NA	NA	NA	11600	NA
Thallium	0.5*	NA	3.2 U	NA	3.2 U	NA	NA	NA	3.2 U	NA
Vanadium	NE	NA	0.23 U	NA	0.23 U	NA	NA	NA	0.3 B	NA
Zinc	2000*	NA	31.2	NA	80	NA	NA	NA	16.4 B	NA
Other (µg/L)										
Ammonia	2000	NA	100 U	NA	450	NA	NA	NA	100 U	NA
Carbon dioxide	NE	NA	18500	NA	24600	NA	NA	NA	24600	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	NA	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	100 U	NA	100 U	NA	NA	NA	1440	NA
Total Nitrogen	NE	NA	100 U	NA	720	NA	NA	NA	1440	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	720	NA	NA	NA	100 U	NA
Standard Plate Count (cfu/mL)	NE	NA	5	NA	110	NA	NA	NA	60	NA
Sulfate	250000	5000 U	29600	34600 D	95300 D	NA	NA	50700 D	11900	7770
Sulfide	50*	NA	2000 U	NA	2000 U	NA	NA	NA	2000 U	NA
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	NA	NA	50 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-36I	OU2MW-36I	OU2MW-36I2	DUP-13 Q3	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S
Start Depth		25	25	45	45	45	61	61	5	5
End Depth		30	30	50	50	50	66	66	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/15/2012	5/15/2013	8/15/2012	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/17/2012	5/16/2013
Parent Sample Code				OU2MW-36I2						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	NA	1 U	NA	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	5 U	NA	5 U	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	500 U	NA	500 U	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	500 U	NA	500 U	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	5 U	NA	5 U	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-36I	OU2MW-36I	OU2MW-36I2	DUP-13 Q3	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S
Start Depth		25	25	45	45	45	61	61	5	5
End Depth		30	30	50	50	50	66	66	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/15/2012	5/15/2013	8/15/2012	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/17/2012	5/16/2013	
Parent Sample Code				OU2MW-36I2						
Isopropyl benzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	2 U	NA	2 U	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Styrene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	1 U	NA	1 U	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-36I	OU2MW-36I	OU2MW-36I2	DUP-13 Q3	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S
Start Depth		25	25	45	45	45	61	61	5	5
End Depth		30	30	50	50	50	66	66	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/15/2012	5/15/2013	8/15/2012	8/15/2012	5/15/2013	8/15/2012	5/15/2013	8/17/2012	5/16/2013
Parent Sample Code				OU2MW-36I2						
Total Metals (µg/L)										
Aluminum	NE	9.5 U	NA	9.5 U	14.9 B	NA	9.5 U	NA	9.5 U	NA
Antimony	3	1.1 U	NA	1.9 B	1.1 U	NA	1.2 B	NA	1.1 U	NA
Arsenic	25	4.4 U	NA	4.4 U	4.4 U	NA	6.1 B	NA	4.4 U	NA
Barium	1000	41.5 B	NA	49.8 B	49.3 B	NA	32.3 B	NA	8.7 B	NA
Beryllium	3*	0.12 U	NA	0.12 U	0.12 U	NA	0.12 U	NA	0.12 U	NA
Cadmium	5	0.2 B	NA	1.5 B	1.4 B	NA	0.18 U	NA	0.18 U	NA
Calcium	NE	44100	NA	16200	15800	NA	28500	NA	34900	NA
Chromium	50	2.2 B	NA	1.3 B	2 B	NA	4.1 B	NA	2.3 B	NA
Cobalt	NE	1.1 B	NA	65	64.2	NA	3.1 B	NA	0.52 U	NA
Copper	200	2.7 B	NA	1.6 B	2 B	NA	0.7 U	NA	3.3 B	NA
Iron	300	49.4 B	NA	18.8 B	9.9 B	NA	27000	NA	4.1 B	NA
Lead	25	1.9 B	NA	5.4	6	NA	4	NA	2 B	NA
Magnesium	35000*	11300	NA	5310	5170	NA	10300	NA	3280 B	NA
Manganese	300	1370	NA	853	842	NA	632	NA	1.5 B	NA
Mercury	0.7	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	NA	0.1 U	NA
Nickel	100	0.8 B	NA	11.6 B	11.3 B	NA	18.1 B	NA	0.64 U	NA
Potassium	NE	4440 B	NA	2240 B	2150 B	NA	2590 B	NA	2920 B	NA
Selenium	10	2.8 U	NA	3.9 B	2.8 U	NA	4.2 B	NA	3.1 B	NA
Silver	50	0.48 B	NA	0.47 B	0.32 U	NA	0.32 U	NA	0.32 U	NA
Sodium	20000	51900	NA	19100	18800	NA	88600	NA	21900	NA
Thallium	0.5*	3.2 U	NA	3.2 U	3.2 U	NA	3.2 U	NA	3.2 U	NA
Vanadium	NE	0.23 U	NA	0.23 U	0.23 U	NA	0.8 B	NA	0.3 B	NA
Zinc	2000*	14.6 B	NA	39.5	29.4	NA	28.7	NA	11.9 B	NA
Other (µg/L)										
Ammonia	2000	240	NA	110	100 U	NA	210	NA	100 U	NA
Carbon dioxide	NE	25500	NA	30800	28200	NA	42200	NA	36100	NA
Nitrogen, Nitrite	1000	100 U	NA	100 U	100 U	NA	100 U	NA	100 U	NA
Nitrogen, Nitrate	10000	660	NA	390	390	NA	100 U	NA	1260 D	NA
Total Nitrogen	NE	660	NA	390	390	NA	100 U	NA	1610	NA
Total Kjeldahl Nitrogen	NE	100 U	NA	100 U	500 U	NA	100 U	NA	350	NA
Standard Plate Count (cfu/mL)	NE	19	NA	12	29	NA	23	NA	NA	NA
Sulfate	250000	14900	6580	78300 D	76300 D	49600	312000 D	66100 D	16600	15800
Sulfide	50*	2000 U	NA	2000 U	2000 U	NA	2000 U	NA	2000 U	NA
Total Phosphorous	NE	50 U	NA	50 U	50 U	NA	50 U	NA	50 U	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38S	OU2MW-38I
Start Depth		25	25	45	45	67	67	5	5	25
End Depth		30	30	50	50	72	72	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/17/2012	5/16/2013	8/20/2012	5/16/2013	8/20/2012	5/16/2013	8/17/2012	5/16/2013	8/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38S	OU2MW-38I
Start Depth		25	25	45	45	67	67	5	5	25
End Depth		30	30	50	50	72	72	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	8/17/2012	5/16/2013	8/20/2012	5/16/2013	8/20/2012	5/16/2013	8/17/2012	5/16/2013	8/17/2012	
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38S	OU2MW-38I
Start Depth		25	25	45	45	67	67	5	5	25
End Depth		30	30	50	50	72	72	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/17/2012	5/16/2013	8/20/2012	5/16/2013	8/20/2012	5/16/2013	8/17/2012	5/16/2013	8/17/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	9.5 U	NA	9.5 U	NA	33.3 B	NA	NA	NA	NA
Antimony	3	1.6 B	NA	1.1 U	NA	1.8 B	NA	NA	NA	NA
Arsenic	25	4.4 U	NA	4.4 U	NA	4.4 U	NA	NA	NA	NA
Barium	1000	35.9 B	NA	135 B	NA	24 B	NA	NA	NA	NA
Beryllium	3*	0.12 U	NA	0.12 U	NA	0.3 B	NA	NA	NA	NA
Cadmium	5	0.18 U	NA	0.5 B	NA	0.18 U	NA	NA	NA	NA
Calcium	NE	28500	NA	20200 E	NA	16800 E	NA	NA	NA	NA
Chromium	50	2.6 B	NA	1.7 B	NA	2.7 B	NA	NA	NA	NA
Cobalt	NE	0.52 U	NA	4.3 B	NA	1.3 B	NA	NA	NA	NA
Copper	200	2.1 B	NA	0.7 U	NA	0.7 U	NA	NA	NA	NA
Iron	300	12.1 B	NA	13.3 BE	NA	23200 E	NA	NA	NA	NA
Lead	25	2 B	NA	1.7 U	NA	1.7 U	NA	NA	NA	NA
Magnesium	35000*	3900 B	NA	3490 BE	NA	5190 E	NA	NA	NA	NA
Manganese	300	924	NA	2830 E	NA	636 E	NA	NA	NA	NA
Mercury	0.7	0.1 U	NA	0.1 U	NA	0.1 U	NA	NA	NA	NA
Nickel	100	0.64 U	NA	3.3 B	NA	0.64 U	NA	NA	NA	NA
Potassium	NE	3510 B	NA	6270 E	NA	1320 BE	NA	NA	NA	NA
Selenium	10	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	NA
Silver	50	0.32 U	NA	0.32 U	NA	0.32 U	NA	NA	NA	NA
Sodium	20000	48300	NA	45200 E	NA	29200 E	NA	NA	NA	NA
Thallium	0.5*	3.2 U	NA	3.2 U	NA	3.2 U	NA	NA	NA	NA
Vanadium	NE	0.23 U	NA	0.23 U	NA	0.23 U	NA	NA	NA	NA
Zinc	2000*	11.6 B	NA	8.8 B	NA	15.1 B	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	100 U	NA	390	NA	100 U	NA	NA	NA	NA
Carbon dioxide	NE	26400	NA	44000	NA	67800	NA	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	NA	100 U	NA	100 U	NA	NA	NA	NA
Nitrogen, Nitrate	10000	2690 D	NA	4420 D	NA	100 U	NA	NA	NA	NA
Total Nitrogen	NE	2690	NA	6120	NA	100 U	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	100 U	NA	1700	NA	100 U	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	16	NA	21	NA	NA	NA	NA
Sulfate	250000	17100	15800	24600	27000	158000 D	79900 D	NA	NA	NA
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	NA
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	NA	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-38I	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38D	OU2MW-38D	OU2MW-38D	OU2MW-38D
Start Depth		25	46	46	46	46	56	56	56	56
End Depth		30	51	51	51	51	61	61	61	61
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	45	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	29	NA	NA	NA	1 U	NA	NA	NA
m/p-Xylene	5	NA	4	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	1 U	NA	2	1 U	1 U	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	78	2	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-38I	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38D	OU2MW-38D	OU2MW-38D	OU2MW-38D
Start Depth		25	46	46	46	46	56	56	56	56
End Depth		30	51	51	51	51	61	61	61	61
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013
Parent Sample Code										
Isopropyl benzene	5	NA	3	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	3 J	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	1 J	NA	NA	NA
Naphthalene	10*	NA	140	NA	NA	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	9	NA	NA	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1	NA	NA	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	17	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	8 J	2 J	10 U	10 U	10 U	9 J	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	35	2	ND	ND	ND	9	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	
Sample Name		OU2MW-38I	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38I2	OU2MW-38D	OU2MW-38D	OU2MW-38D	OU2MW-38D	
Start Depth		25	46	46	46	46	56	56	56	56	56
End Depth		30	51	51	51	51	61	61	61	61	61
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013	8/17/2012	10/18/2012	2/26/2013	5/16/2013	5/16/2013
Parent Sample Code											
Total Metals (µg/L)											
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (µg/L)											
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I2
Start Depth		5	5	5	5	25	25	25	25	45
End Depth		15	15	15	15	30	30	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/17/2012	10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	56
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3
Ethylbenzene	5	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10
o-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	43
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	40
Total Xylene	5	NA	1 U	4	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	5	ND	ND	ND	ND	ND	152
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I2
Start Depth		5	5	5	5	25	25	25	25	45
End Depth		15	15	15	15	30	30	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/17/2012	10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/17/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	20
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	NA	NA	3 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	1 U	NA	NA	NA	1 U	NA	NA	NA	1100 D
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	4
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	10
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	70
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	30
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	33
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 DJ
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J
Naphthalene	10*	10 U	10 U	12	10 U	10 U	10 U	10 U	10 U	1200 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	43
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	12	ND	ND	ND	ND	ND	1404

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I2
Start Depth		5	5	5	5	25	25	25	25	45
End Depth		15	15	15	15	30	30	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/17/2012	10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/17/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	11 B	NA	NA	NA	9.5 U	NA	NA	NA	25.9 B
Antimony	3	1.5 B	NA	NA	NA	1.1 U	NA	NA	NA	1.2 B
Arsenic	25	4.4 U	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	11.7 B	NA	NA	NA	32.4 B	NA	NA	NA	51 B
Beryllium	3*	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U
Cadmium	5	0.18 U	NA	NA	NA	0.18 U	NA	NA	NA	0.18 U
Calcium	NE	30600	NA	NA	NA	58100	NA	NA	NA	14800
Chromium	50	2 B	NA	NA	NA	2.1 B	NA	NA	NA	2.7 B
Cobalt	NE	0.52 U	NA	NA	NA	0.52 U	NA	NA	NA	5.3 B
Copper	200	4.4 B	NA	NA	NA	2.8 B	NA	NA	NA	1.8 B
Iron	300	38.3 B	NA	NA	NA	17.7 B	NA	NA	NA	3650
Lead	25	2.1 B	NA	NA	NA	2.1 B	NA	NA	NA	3.7
Magnesium	35000*	4050 B	NA	NA	NA	14400	NA	NA	NA	4010 B
Manganese	300	1.2 B	NA	NA	NA	15.6	NA	NA	NA	822
Mercury	0.7	0.1 U	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	1.2 B	NA	NA	NA	1.1 B	NA	NA	NA	8.6 B
Potassium	NE	2990 B	NA	NA	NA	4210 B	NA	NA	NA	2570 B
Selenium	10	2.8 U	NA	NA	NA	3.3 B	NA	NA	NA	3.8 B
Silver	50	0.32 U	NA	NA	NA	0.32 U	NA	NA	NA	0.32 U
Sodium	20000	13800	NA	NA	NA	50400	NA	NA	NA	52100
Thallium	0.5*	3.2 U	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	0.5 B	NA	NA	NA	0.5 B	NA	NA	NA	0.23 U
Zinc	2000*	17 B	NA	NA	NA	11.2 B	NA	NA	NA	22.9
Other (µg/L)										
Ammonia	2000	100 U	NA	NA	NA	100 U	NA	NA	NA	170
Carbon dioxide	NE	38700	NA	NA	NA	29900	NA	NA	NA	59800
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	3770 D	NA	NA	NA	290	NA	NA	NA	100 U
Total Nitrogen	NE	3890	NA	NA	NA	290	NA	NA	NA	270
Total Kjeldahl Nitrogen	NE	120	NA	NA	NA	100 U	NA	NA	NA	270
Standard Plate Count (cfu/mL)	NE	19	NA	NA	NA	16	NA	NA	NA	76
Sulfate	250000	18500	NA	NA	18100	5000 U	NA	NA	5000 U	33400
Sulfide	50*	2000 U	NA	NA	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	50 U	NA	NA	NA	50 U	NA	NA	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39I2	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40S
Start Depth		45	45	45	70	70	70	70	5	5
End Depth		50	50	50	75	75	75	75	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/7/2012	11/12/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	65	62	20	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	6	10	3	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	45	110	4	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	160	320	110	NA	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	276	502	137	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39I2	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40S
Start Depth		45	45	45	70	70	70	70	5	5
End Depth		50	50	50	75	75	75	75	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/7/2012	11/12/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	41	67	21	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	110 DJ	200 DJ	56	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	5 J	8 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	3 J	5 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	26	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1600 D	3400 D	750 D	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	40	60	21	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	1825	3780	853	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-39I2	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40S
Start Depth		45	45	45	70	70	70	70	5	5
End Depth		50	50	50	75	75	75	75	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/18/2012	1/9/2013	5/14/2013	8/17/2012	10/18/2012	1/8/2013	5/14/2013	8/7/2012	11/12/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	10.5 B	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	1.4 B	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	4.4 U	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	34.3 B	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	0.2 B	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	10200	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	2 B	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	0.52 U	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	0.9 B	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	6700	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	2.2 B	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	3430 B	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	180	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	0.9 B	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	1030 B	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	3.2 B	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	0.32 U	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	11000	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	3.2 U	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	0.3 B	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	90.3	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	28200	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	100 U	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	23	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	26100	45600	NA	NA	43300	NA	NA
Sulfide	50*	NA	NA	NA	2000 U	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	50 U	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-40S	OU2MW-40S	DUP-25 Q2	OU2MW-40I	OU2MW-40I	OU2MW-41S	OU2MW-41S	OU2MW-41I	OU2MW-41I
Start Depth		5	5	5	18	18	5	5	18	18
End Depth		15	15	15	23	23	15	15	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/26/2013	6/26/2013	8/7/2012	6/26/2013	8/7/2012	6/28/2013	8/7/2012	11/12/2012
Parent Sample Code			OU2MW-40S							
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	1 U	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-40S	OU2MW-40S	DUP-25 Q2	OU2MW-40I	OU2MW-40I	OU2MW-41S	OU2MW-41S	OU2MW-41I	OU2MW-41I
Start Depth		5	5	5	18	18	5	5	18	18
End Depth		15	15	15	23	23	15	15	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/26/2013	6/26/2013	8/7/2012	6/26/2013	8/7/2012	6/28/2013	8/7/2012	11/12/2012
Parent Sample Code			OU2MW-40S							
Isopropyl benzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	1 J	2 J
Benzo(k)fluoranthene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzo(a)pyrene	ND	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Chrysene	0.002*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	1 J	2 J
Total PAH (17) (ND=0)	NE	20	ND	ND	ND	ND	ND	ND	5	10

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-40S	OU2MW-40S	DUP-25 Q2	OU2MW-40I	OU2MW-40I	OU2MW-41S	OU2MW-41S	OU2MW-41I	OU2MW-41I
Start Depth		5	5	5	18	18	5	5	18	18
End Depth		15	15	15	23	23	15	15	23	23
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/26/2013	6/26/2013	8/7/2012	6/26/2013	8/7/2012	6/28/2013	8/7/2012	11/12/2012
Parent Sample Code			OU2MW-40S							
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-41I	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D
Start Depth		18	18	5	5	25	25	45	45	60
End Depth		23	23	15	15	30	30	50	50	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/25/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	22
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	9
o-Xylene	5	NA	NA	1 U	NA	1 U	NA	1	NA	75
m/p-Xylene	5	NA	NA	1 U	NA	1 U	NA	2	NA	110
Total Xylene	5	1 U	1 U	NA	1 U	NA	1 U	NA	8	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	3	9	216
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	3 J
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-41I	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D
Start Depth		18	18	5	5	25	25	45	45	60
End Depth		23	23	15	15	30	30	50	50	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/25/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012
Parent Sample Code										
Isopropyl benzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	3 J	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	1 U	NA	160 D	NA	430 D
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	3
Styrene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	76
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	1 U	NA	18	NA	23
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	1 U	NA	5	NA	21
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J	3 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	29	19	15
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	6 J	16	19
Naphthalene	10*	10 U	10 U	10 U	1 J	10 U	10 U	3 J	88 D	310 D
Phenanthrene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	32	ND	ND	1	ND	ND	44	128	347

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-41I	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D
Start Depth		18	18	5	5	25	25	45	45	60
End Depth		23	23	15	15	30	30	50	50	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/22/2013	6/25/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012	5/14/2013	8/16/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	9.5 U	NA	9.5 U	NA	9.5 U	NA	5410
Antimony	3	NA	NA	2 B	NA	1.1 U	NA	1.5 B	NA	1.1 U
Arsenic	25	NA	NA	4.8 B	NA	4.4 U	NA	4.4 U	NA	4.4 U
Barium	1000	NA	NA	2.6 B	NA	16.9 B	NA	15.6 B	NA	12.6 B
Beryllium	3*	NA	NA	0.12 U	NA	0.12 U	NA	0.12 U	NA	0.6 B
Cadmium	5	NA	NA	0.18 U	NA	0.18 U	NA	0.18 U	NA	0.18 U
Calcium	NE	NA	NA	52500 E	NA	49300 E	NA	9930 E	NA	40000 E
Chromium	50	NA	NA	2.2 B	NA	2 B	NA	0.7 B	NA	3.9 B
Cobalt	NE	NA	NA	0.52 U	NA	0.52 U	NA	2.2 B	NA	16.2 B
Copper	200	NA	NA	0.7 U	NA	0.7 U	NA	0.7 U	NA	10.1 B
Iron	300	NA	NA	3710 E	NA	41.5 BE	NA	20.7 BE	NA	4550 E
Lead	25	NA	NA	2 B	NA	1.7 U	NA	3.6	NA	12.5
Magnesium	35000*	NA	NA	7680 E	NA	11600 E	NA	2830 BE	NA	15200 E
Manganese	300	NA	NA	40.9 E	NA	56.2 E	NA	768 E	NA	1400 E
Mercury	0.7	NA	NA	0.1 U	NA	0.1 U	NA	0.1 U	NA	0.1 U
Nickel	100	NA	NA	1.2 B	NA	0.64 U	NA	4.8 B	NA	75
Potassium	NE	NA	NA	5400 E	NA	4390 BE	NA	1900 BE	NA	5580 E
Selenium	10	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U
Silver	50	NA	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	0.32 U
Sodium	20000	NA	NA	26600 E	NA	51400 E	NA	23000 E	NA	102000 E
Thallium	0.5*	NA	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	3.2 U
Vanadium	NE	NA	NA	3.5 B	NA	0.5 B	NA	0.23 U	NA	0.23 U
Zinc	2000*	NA	NA	31	NA	18 B	NA	44.6	NA	36.3
Other (µg/L)										
Ammonia	2000	NA	NA	100 U	NA	100 U	NA	270	NA	820
Carbon dioxide	NE	NA	NA	50200	NA	23800	NA	25500	NA	106000
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	100 U	NA	100 U	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	300	NA	420	NA	100 U	NA	100 U
Total Nitrogen	NE	NA	NA	300	NA	420	NA	100 U	NA	950
Total Kjeldahl Nitrogen	NE	NA	NA	100 U	NA	100 U	NA	500 U	NA	950
Standard Plate Count (cfu/mL)	NE	NA	NA	39	NA	10	NA	22	NA	5
Sulfate	250000	NA	NA	35800	24700	25000 U	5000 U	11000	13900	469000 D
Sulfide	50*	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U
Total Phosphorous	NE	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-42D	OU2MW-42D	OU2MW-42D	DUP-09 Q2	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	OU2MW-43I2
Start Depth		60	60	60	60	5	5	25	25	45
End Depth		65	65	65	65	15	15	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/28/2012	2/26/2013	5/14/2013	5/14/2013	8/22/2012	5/3/2013	8/22/2012	5/3/2013	8/22/2012
Parent Sample Code				OU2MW-42D						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	62	150	260 D	260 D	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	48	87	100	100	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	3
Total Xylene	5	580	970	1500 D	1400 D	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	690	1207	1860	1760	ND	ND	ND	ND	4
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	NA	NA	2 BJ	NA	5 U	NA	5 U
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	NA	NA	NA	1 U	NA	1 U	NA	19
Chloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-42D	OU2MW-42D	OU2MW-42D	DUP-09 Q2	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	OU2MW-43I2
Start Depth		60	60	60	60	5	5	25	25	45
End Depth		65	65	65	65	15	15	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/28/2012	2/26/2013	5/14/2013	5/14/2013	8/22/2012	5/3/2013	8/22/2012	5/3/2013	8/22/2012
Parent Sample Code					OU2MW-42D					
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	10 U	NA	24
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	1 U	NA	170 D
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	1	NA	4
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	15
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	8
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	5 J	9 J	10	11	10 U	10 U	10 U	10 U	2 J
Acenaphthylene	NE	30	55	62	64	10 U	10 U	10 U	10 U	1 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	1 J	2 J	10 U	10 U	10 U	10 U	1 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	61	320 J	290 DJ	270 JD	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	820 D	2900	2100 D	2100 D	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	1 J	5 J	5 J	6 J	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	917	3289	2468	2453	ND	ND	ND	ND	4

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-42D	OU2MW-42D	OU2MW-42D	DUP-09 Q2	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	OU2MW-43I2
Start Depth		60	60	60	60	5	5	25	25	45
End Depth		65	65	65	65	15	15	30	30	50
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/28/2012	2/26/2013	5/14/2013	5/14/2013	8/22/2012	5/3/2013	8/22/2012	5/3/2013	8/22/2012
Parent Sample Code					OU2MW-42D					
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	9.5 U	NA	9.5 U	NA	9.5 U
Antimony	3	NA	NA	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U
Arsenic	25	NA	NA	NA	NA	4.4 U	NA	4.4 U	NA	4.4 U
Barium	1000	NA	NA	NA	NA	30.8 B	NA	26 B	NA	43.7 B
Beryllium	3*	NA	NA	NA	NA	0.12 U	NA	0.12 U	NA	0.12 U
Cadmium	5	NA	NA	NA	NA	0.18 U	NA	0.18 U	NA	0.3 B
Calcium	NE	NA	NA	NA	NA	60000 E	NA	59200	NA	15600
Chromium	50	NA	NA	NA	NA	1.9 B	NA	1.7 B	NA	2.6 B
Cobalt	NE	NA	NA	NA	NA	0.52 U	NA	0.52 U	NA	9.5 B
Copper	200	NA	NA	NA	NA	0.7 U	NA	2.2 B	NA	10.1 B
Iron	300	NA	NA	NA	NA	40.7 BE	NA	12.3 B	NA	119
Lead	25	NA	NA	NA	NA	2.2 B	NA	2 B	NA	1.7 U
Magnesium	35000*	NA	NA	NA	NA	10200 E	NA	12900	NA	4200 B
Manganese	300	NA	NA	NA	NA	14.6 BE	NA	71.6	NA	4330
Mercury	0.7	NA	NA	NA	NA	0.1 U	NA	0.1 U	NA	0.1 U
Nickel	100	NA	NA	NA	NA	0.7 B	NA	2.3 B	NA	14.1 B
Potassium	NE	NA	NA	NA	NA	5790 E	NA	5350	NA	3390 B
Selenium	10	NA	NA	NA	NA	2.8 U	NA	6	NA	5.8
Silver	50	NA	NA	NA	NA	0.32 U	NA	0.36 B	NA	0.58 B
Sodium	20000	NA	NA	NA	NA	57500 E	NA	45200	NA	49400
Thallium	0.5*	NA	NA	NA	NA	3.2 U	NA	3.2 U	NA	3.2 U
Vanadium	NE	NA	NA	NA	NA	1.4 B	NA	0.4 B	NA	0.23 U
Zinc	2000*	NA	NA	NA	NA	29.3	NA	196	NA	15.8 B
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	100 U	NA	100 U	NA	390
Carbon dioxide	NE	NA	NA	NA	NA	53700	NA	28200	NA	79200
Nitrogen, Nitrite	1000	NA	NA	NA	NA	100 U	NA	100 U	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	NA	NA	370	NA	1720	NA	110
Total Nitrogen	NE	NA	NA	NA	NA	370	NA	1720	NA	610
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	100 U	NA	100 U	NA	500
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	56	NA	22	NA	200
Sulfate	250000	NA	NA	370000 D	370000 D	50000	21100	5000 U	5000 U	10400
Sulfide	50*	NA	NA	NA	NA	2000 U	NA	2000 U	NA	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	50 U	NA	50 U	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-43I2	OU2MW-43I2	DUP-04 Q1	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-44S
Start Depth		45	45	45	45	65	65	65	65	5
End Depth		50	50	50	50	70	70	70	70	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/6/2012	1/31/2013	1/31/2013	5/1/2013	8/22/2012	11/6/2012	1/31/2013	5/1/2013	8/22/2012
Parent Sample Code			OU2MW-43I2							
BTEX (µg/L)										
Benzene	1	3	4	4	16	2	1	3	4	1 U
Toluene	5	1 U	1 U	1 U	1 U	8	15	19	17	1 U
Ethylbenzene	5	1 U	2	2	5	22	35	43	53	1 U
o-Xylene	5	NA	NA	NA	NA	85	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	150	NA	NA	NA	1 U
Total Xylene	5	8	19	18	63	NA	270	310	380	NA
Total BTEX (ND=0)	NE	11	25	24	84	267	321	375	454	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	2 J	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	24	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-43I2	OU2MW-43I2	DUP-04 Q1	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-44S
Start Depth		45	45	45	45	65	65	65	65	5
End Depth		50	50	50	50	70	70	70	70	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date	11/6/2012	1/31/2013	1/31/2013	5/1/2013	8/22/2012	11/6/2012	1/31/2013	5/1/2013	8/22/2012	
Parent Sample Code			OU2MW-43I2							
Isopropyl benzene	5	NA	NA	NA	NA	2	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	5 J	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	1900 D	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	7	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	73	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	92	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	54	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	4 J	7 J	8 J	18	7 J	6 J	5 J	7 J	10 U
Acenaphthylene	NE	12	20	19	40	74	76	61	90 J	10 U
Anthracene	50*	3 J	10 U	10 U	2 J	2 J	1 J	1 J	2 J	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	3 J	5 J	5 J	10	2 J	6 J	3 J	7 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	20	34	28	68	110 DJ	170 DJ	180 DJ	150 J	10 U
Naphthalene	10*	250 D	220 D	110 D	1200	1200 D	1600 D	2200 D	1600	10 U
Phenanthrene	50*	3 J	5 J	4 J	11	12	10	8 J	12	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	295	291	174	1349	1407	1869	2458	1868	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-43I2	OU2MW-43I2	DUP-04 Q1	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-43D	OU2MW-44S
Start Depth		45	45	45	45	65	65	65	65	5
End Depth		50	50	50	50	70	70	70	70	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/6/2012	1/31/2013	1/31/2013	5/1/2013	8/22/2012	11/6/2012	1/31/2013	5/1/2013	8/22/2012
Parent Sample Code			OU2MW-43I2							
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	642	NA	NA	NA	130 B
Antimony	3	NA	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U
Arsenic	25	NA	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	NA	NA	NA	NA	25.8 B	NA	NA	NA	7.2 B
Beryllium	3*	NA	NA	NA	NA	0.3 B	NA	NA	NA	0.12 U
Cadmium	5	NA	NA	NA	NA	0.18 U	NA	NA	NA	0.18 U
Calcium	NE	NA	NA	NA	NA	30400	NA	NA	NA	23100 E
Chromium	50	NA	NA	NA	NA	3.2 B	NA	NA	NA	2.4 B
Cobalt	NE	NA	NA	NA	NA	37 B	NA	NA	NA	1.8 B
Copper	200	NA	NA	NA	NA	48.5	NA	NA	NA	9.8 B
Iron	300	NA	NA	NA	NA	10900	NA	NA	NA	996 E
Lead	25	NA	NA	NA	NA	2.6 B	NA	NA	NA	1.7 U
Magnesium	35000*	NA	NA	NA	NA	10100	NA	NA	NA	2620 BE
Manganese	300	NA	NA	NA	NA	1600	NA	NA	NA	125 E
Mercury	0.7	NA	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	NA	NA	NA	NA	44.5	NA	NA	NA	1 B
Potassium	NE	NA	NA	NA	NA	5960	NA	NA	NA	2670 BE
Selenium	10	NA	NA	NA	NA	3.2 B	NA	NA	NA	2.8 U
Silver	50	NA	NA	NA	NA	0.32 U	NA	NA	NA	0.32 U
Sodium	20000	NA	NA	NA	NA	68700	NA	NA	NA	18500 E
Thallium	0.5*	NA	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	NA	NA	NA	NA	16.6 B	NA	NA	NA	0.8 B
Zinc	2000*	NA	NA	NA	NA	113	NA	NA	NA	34.3
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	7490 D	NA	NA	NA	290
Carbon dioxide	NE	NA	NA	NA	NA	81800	NA	NA	NA	48400
Nitrogen, Nitrite	1000	NA	NA	NA	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	NA	NA	100 U	NA	NA	NA	100 U
Total Nitrogen	NE	NA	NA	NA	NA	11400	NA	NA	NA	450
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	11400 D	NA	NA	NA	450
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	150	NA	NA	NA	48
Sulfate	250000	NA	NA	NA	11000	246000 D	NA	NA	243000	18300
Sulfide	50*	NA	NA	NA	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	50 U	NA	NA	NA	780

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-44S	OU2MW-44I	OU2MW-44I	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D	OU2MW-45S	OU2MW-45S
Start Depth		5	25	25	45	45	65	65	5	5
End Depth		15	30	30	50	50	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	8/22/2012	5/2/2013	8/28/2012	5/2/2013	8/28/2012	5/2/2013	8/15/2012	5/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	2	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-44S	OU2MW-44I	OU2MW-44I	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D	OU2MW-45S	OU2MW-45S
Start Depth		5	25	25	45	45	65	65	5	5
End Depth		15	30	30	50	50	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	8/22/2012	5/2/2013	8/28/2012	5/2/2013	8/28/2012	5/2/2013	8/15/2012	5/7/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	1 J	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	14	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	2	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		OU2MW-44S	OU2MW-44I	OU2MW-44I	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D	OU2MW-45S	OU2MW-45S
Start Depth		5	25	25	45	45	65	65	5	5
End Depth		15	30	30	50	50	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/2/2013	8/22/2012	5/2/2013	8/28/2012	5/2/2013	8/28/2012	5/2/2013	8/15/2012	5/7/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	14.4 B	NA	20.9 B	NA	9.5 U	NA
Antimony	3	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA
Arsenic	25	NA	4.4 U	NA	4.4 U	NA	4.4 U	NA	4.4 U	NA
Barium	1000	NA	25.6 B	NA	41.2 B	NA	39.6 B	NA	6.4 B	NA
Beryllium	3*	NA	0.12 U	NA	0.12 U	NA	0.12 U	NA	0.12 U	NA
Cadmium	5	NA	0.18 U	NA	0.5 B	NA	0.3 B	NA	0.18 U	NA
Calcium	NE	NA	36100 E	NA	19800 E	NA	13600 E	NA	31200 E	NA
Chromium	50	NA	1.8 B	NA	0.52 U	NA	0.52 U	NA	1.4 B	NA
Cobalt	NE	NA	1.2 B	NA	0.8 B	NA	0.8 B	NA	0.52 U	NA
Copper	200	NA	0.7 U	NA	0.7 U	NA	0.7 U	NA	0.7 U	NA
Iron	300	NA	551 E	NA	105 E	NA	32 BE	NA	4690 E	NA
Lead	25	NA	1.7 U	NA	1.7 U	NA	11.1	NA	1.7 U	NA
Magnesium	35000*	NA	6970 E	NA	3820 BE	NA	6150 E	NA	3700 BE	NA
Manganese	300	NA	57.4 E	NA	11000 E	NA	297 E	NA	69.3 E	NA
Mercury	0.7	NA	0.1 U	NA	0.1 BN	NA	0.1 UN	NA	0.1 U	NA
Nickel	100	NA	0.8 B	NA	0.9 B	NA	3.2 B	NA	1.4 B	NA
Potassium	NE	NA	2930 BE	NA	3620 BE	NA	2720 BE	NA	2930 BE	NA
Selenium	10	NA	2.8 U	NA	8.9	NA	5.7	NA	2.8 U	NA
Silver	50	NA	0.32 U	NA	2 B	NA	0.41 B	NA	0.32 U	NA
Sodium	20000	NA	37400 E	NA	58200	NA	34000	NA	34500 E	NA
Thallium	0.5*	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA
Vanadium	NE	NA	0.23 U	NA	0.23 U	NA	0.23 U	NA	2.3 B	NA
Zinc	2000*	NA	6.7 B	NA	20	NA	14.5 B	NA	36.6	NA
Other (µg/L)										
Ammonia	2000	NA	100	NA	410	NA	260	NA	100 U	NA
Carbon dioxide	NE	NA	44900	NA	18500	NA	44000	NA	51900	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA
Nitrogen, Nitrate	10000	NA	3330 D	NA	100 U	NA	2110 D	NA	1190 D	NA
Total Nitrogen	NE	NA	3330	NA	420	NA	2110	NA	1400	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	420	NA	100 U	NA	210	NA
Standard Plate Count (cfu/mL)	NE	NA	15	NA	28	NA	24	NA	89	NA
Sulfate	250000	14200	44900	19400	20500	15000	31800	27800	38100	5000
Sulfide	50*	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-06 Q2	OU2MW-45I	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	DUP-11 Q3	OU2MW-45D	OU2MW-46S
Start Depth		5	20	20	40	40	55	55	55	5
End Depth		15	25	25	45	45	60	60	60	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/15/2012	5/7/2013	8/14/2012	8/14/2012	5/7/2013	8/14/2012
Parent Sample Code		OU2MW-45S					OU2MW-45D			
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Acetone	50*	NA	5 U	NA	5 U	NA	5 U	5 U	NA	5 U
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	500 U	NA	500 U
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	500 U	NA	500 U
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	5 U	NA	5 U
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-06 Q2	OU2MW-45I	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	DUP-11 Q3	OU2MW-45D	OU2MW-46S
Start Depth		5	20	20	40	40	55	55	55	5
End Depth		15	25	25	45	45	60	60	60	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/15/2012	5/7/2013	8/14/2012	8/14/2012	5/7/2013	8/14/2012
Parent Sample Code	OU2MW-45S						OU2MW-45D			
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	3 J	NA	5 J	5 J	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	5 U	NA	5 U
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	2 U	NA	2 U
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	500 U	NA	500 U
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Styrene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	10 U	NA	10 U
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-06 Q2	OU2MW-45I	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	DUP-11 Q3	OU2MW-45D	OU2MW-46S
Start Depth		5	20	20	40	40	55	55	55	5
End Depth		15	25	25	45	45	60	60	60	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/15/2012	5/7/2013	8/14/2012	8/14/2012	5/7/2013	8/14/2012
Parent Sample Code		OU2MW-45S					OU2MW-45D			
Total Metals (µg/L)										
Aluminum	NE	NA	47.6 B	NA	9.5 U	NA	11.7 B	14.1 B	NA	52.9 B
Antimony	3	NA	1.5 B	NA	1.1 U	NA	4.3 B	2 B	NA	1.4 B
Arsenic	25	NA	4.4 U	NA	4.4 U	NA	4.4 U	4.4 U	NA	4.4 U
Barium	1000	NA	59 B	NA	10.2 B	NA	25.4 B	25.5 B	NA	18.1 B
Beryllium	3*	NA	0.12 U	NA	0.12 U	NA	0.12 U	0.12 U	NA	0.12 U
Cadmium	5	NA	0.18 U	NA	0.3 B	NA	1.2 B	1.1 B	NA	0.18 U
Calcium	NE	NA	42200 E	NA	23000 E	NA	19800 E	20100 E	NA	42300 E
Chromium	50	NA	2 B	NA	1.5 B	NA	2.1 B	2 B	NA	2.7 B
Cobalt	NE	NA	2.8 B	NA	0.52 U	NA	2.7 B	2.6 B	NA	0.52 U
Copper	200	NA	0.7 U	NA	0.7 U	NA	0.7 U	0.7 U	NA	0.8 B
Iron	300	NA	7640 E	NA	82 BE	NA	21.3 BE	21.7 BE	NA	60.1 BE
Lead	25	NA	1.7 U	NA	1.7 U	NA	1.7 U	1.7 U	NA	1.9 B
Magnesium	35000*	NA	5460 E	NA	4510 BE	NA	4080 BE	4170 BE	NA	5790 E
Manganese	300	NA	471 E	NA	6900 E	NA	13400 E	13300 E	NA	12.4 BE
Mercury	0.7	NA	0.1 U	NA	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U
Nickel	100	NA	3.7 B	NA	0.64 U	NA	3.1 B	3.1 B	NA	0.64 U
Potassium	NE	NA	5830 E	NA	3500 BE	NA	2600 BE	2680 BE	NA	4770 BE
Selenium	10	NA	2.8 U	NA	2.8 U	NA	5.7	5.7	NA	2.8 U
Silver	50	NA	0.32 U	NA	0.88 B	NA	1.8 B	1.9 B	NA	0.32 U
Sodium	20000	NA	56700 E	NA	53200 E	NA	30900 E	31200 E	NA	57300 E
Thallium	0.5*	NA	3.2 U	NA	3.2 U	NA	3.2 U	3.2 U	NA	3.2 U
Vanadium	NE	NA	0.23 U	NA	0.23 U	NA	0.23 U	0.23 U	NA	2.2 B
Zinc	2000*	NA	15 B	NA	28.4	NA	101	141	NA	22.9
Other (µg/L)										
Ammonia	2000	NA	100 U	NA	110	NA	100 U	100 U	NA	160
Carbon dioxide	NE	NA	67800	NA	32600	NA	33400	33400	NA	39600
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	100 U	100 U	NA	100 U
Nitrogen, Nitrate	10000	NA	100 U	NA	520	NA	1210 D	1200 D	NA	910
Total Nitrogen	NE	NA	100 U	NA	520	NA	1210	1200	NA	1220
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	100 U	NA	100 U	100 U	NA	310
Standard Plate Count (cfu/mL)	NE	NA	64	NA	44	NA	32	32	NA	89
Sulfate	250000	5000	95800 D	25000 D	13100	5000	18500	18400	5000	29900
Sulfide	50*	NA	2000 U	NA	3000 U	NA	4000 U	4000 U	NA	2000 U
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	50 U	50 U	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	OU2MW-47S	OU2MW-47S
Start Depth		5	20	20	40	40	5	5	5	5
End Depth		15	25	25	45	45	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/14/2012	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Acetone	50*	NA	5 U	NA	1 J	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	OU2MW-47S	OU2MW-47S
Start Depth		5	20	20	40	40	5	5	5	5
End Depth		15	25	25	45	45	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/14/2012	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	OU2MW-47S	OU2MW-47S
Start Depth		5	20	20	40	40	5	5	5	5
End Depth		15	25	25	45	45	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/7/2013	8/14/2012	5/7/2013	8/14/2012	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	9.5 U	NA	9.5 U	NA	27.5 B	NA	NA	NA
Antimony	3	NA	1.2 B	NA	1.1 U	NA	1.1 U	NA	NA	NA
Arsenic	25	NA	4.4 U	NA	4.4 U	NA	4.4 U	NA	NA	NA
Barium	1000	NA	7 B	NA	37.3 B	NA	131 B	NA	NA	NA
Beryllium	3*	NA	0.12 U	NA	0.12 U	NA	0.12 U	NA	NA	NA
Cadmium	5	NA	0.18 U	NA	0.3 B	NA	0.6 B	NA	NA	NA
Calcium	NE	NA	20000 E	NA	39600 E	NA	82700 E	NA	NA	NA
Chromium	50	NA	2 B	NA	2.1 B	NA	2.4 B	NA	NA	NA
Cobalt	NE	NA	0.52 U	NA	6.3 B	NA	4.5 B	NA	NA	NA
Copper	200	NA	1.1 B	NA	2.2 B	NA	11.8 B	NA	NA	NA
Iron	300	NA	18.1 BE	NA	23.9 BE	NA	61.5 B	NA	NA	NA
Lead	25	NA	1.7 U	NA	1.7 U	NA	11.9	NA	NA	NA
Magnesium	35000*	NA	4480 BE	NA	8910 E	NA	12100 E	NA	NA	NA
Manganese	300	NA	28.9 E	NA	4200 E	NA	185 E	NA	NA	NA
Mercury	0.7	NA	0.1 U	NA	0.1 U	NA	0.1 U	NA	NA	NA
Nickel	100	NA	0.9 B	NA	0.64 U	NA	29 B	NA	NA	NA
Potassium	NE	NA	2240 BE	NA	3690 BE	NA	12600 E	NA	NA	NA
Selenium	10	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA
Silver	50	NA	0.32 U	NA	0.65 B	NA	0.32 U	NA	NA	NA
Sodium	20000	NA	20800 E	NA	56100 E	NA	84800 E	NA	NA	NA
Thallium	0.5*	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	NA	NA
Vanadium	NE	NA	0.23 U	NA	0.23 U	NA	10.3 B	NA	NA	NA
Zinc	2000*	NA	7.8 B	NA	10.9 B	NA	980	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	100 U	NA	100 U	NA	100 U	NA	NA	NA
Carbon dioxide	NE	NA	18500	NA	23800	NA	63400	NA	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	100 U	NA	NA	NA
Nitrogen, Nitrate	10000	NA	1550 D	NA	810	NA	890	NA	NA	NA
Total Nitrogen	NE	NA	1550	NA	960	NA	890	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	100 U	NA	150	NA	100 U	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	61	NA	26	NA	15	NA	NA	NA
Sulfate	250000	5000	6650	5000 U	10800	5000	39900	NA	NA	5000
Sulfide	50*	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	50 U	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
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Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-47D
Start Depth		20	20	20	20	40	40	40	40	60
End Depth		25	25	25	25	45	45	45	45	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1	NA	NA	NA	1 U	NA	NA	NA	1 U
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	1	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	3 J	NA	NA	NA	1 J	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-47D
Start Depth		20	20	20	20	40	40	40	40	60
End Depth		25	25	25	25	45	45	45	45	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	3 J	NA	NA	NA	2 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-471	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-4712	OU2MW-47D
Start Depth		20	20	20	20	40	40	40	40	60
End Depth		25	25	25	25	45	45	45	45	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012	11/13/2012	2/12/2013	5/7/2013	8/14/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	26.6 B	NA	NA	NA	9.5 U	NA	NA	NA	9.5 U
Antimony	3	1.4 B	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U
Arsenic	25	4.4 U	NA	NA	NA	4.4 U	NA	NA	NA	4.4 U
Barium	1000	59.5 B	NA	NA	NA	142 B	NA	NA	NA	37.5 B
Beryllium	3*	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	0.12 U
Cadmium	5	0.5 B	NA	NA	NA	0.3 B	NA	NA	NA	0.18 U
Calcium	NE	36200 E	NA	NA	NA	42300 E	NA	NA	NA	27300 E
Chromium	50	2.4 B	NA	NA	NA	1.1 B	NA	NA	NA	2.2 B
Cobalt	NE	15.5 B	NA	NA	NA	2.6 B	NA	NA	NA	0.52 U
Copper	200	1.5 B	NA	NA	NA	0.7 U	NA	NA	NA	0.7 U
Iron	300	63 BE	NA	NA	NA	15.5 BE	NA	NA	NA	29.5 BE
Lead	25	1.7 U	NA	NA	NA	1.7 U	NA	NA	NA	1.7 U
Magnesium	35000*	11000 E	NA	NA	NA	7160 E	NA	NA	NA	2950 BE
Manganese	300	3840 E	NA	NA	NA	2830 E	NA	NA	NA	145 E
Mercury	0.7	0.1 U	NA	NA	NA	0.1 U	NA	NA	NA	0.1 U
Nickel	100	6.4 B	NA	NA	NA	0.9 B	NA	NA	NA	0.64 U
Potassium	NE	5380 E	NA	NA	NA	5250 E	NA	NA	NA	5540 E
Selenium	10	2.8 U	NA	NA	NA	2.8 U	NA	NA	NA	2.8 U
Silver	50	0.67 B	NA	NA	NA	0.44 B	NA	NA	NA	0.32 U
Sodium	20000	85600 E	NA	NA	NA	107000 E	NA	NA	NA	44400 E
Thallium	0.5*	3.2 U	NA	NA	NA	3.2 U	NA	NA	NA	3.2 U
Vanadium	NE	0.23 U	NA	NA	NA	0.23 U	NA	NA	NA	0.3 B
Zinc	2000*	12.9 B	NA	NA	NA	8.8 B	NA	NA	NA	41.8
Other (µg/L)										
Ammonia	2000	230	NA	NA	NA	210	NA	NA	NA	900
Carbon dioxide	NE	76600	NA	NA	NA	21100	NA	NA	NA	19400
Nitrogen, Nitrite	1000	100 U	NA	NA	NA	100 U	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	190	NA	NA	NA	530	NA	NA	NA	360
Total Nitrogen	NE	440	NA	NA	NA	730	NA	NA	NA	1270
Total Kjeldahl Nitrogen	NE	250	NA	NA	NA	200	NA	NA	NA	910
Standard Plate Count (cfu/mL)	NE	16	NA	NA	NA	12	NA	NA	NA	42
Sulfate	250000	25400	NA	NA	5000	20400	NA	NA	5000	32400
Sulfide	50*	2000 U	NA	NA	NA	2000 U	NA	NA	NA	2000 U
Total Phosphorous	NE	50 U	NA	NA	NA	50 U	NA	NA	NA	50 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val
Sample Name		OU2MW-47D	DUP-06 Q4	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52S	OU2MW-52I	OU2MW-52I	DUP-05 Q2
Start Depth		60	60	60	60	3	3	20	20	20
End Depth		65	65	65	65	8	8	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/13/2012	11/13/2012	2/12/2013	5/7/2013	8/9/2012	5/3/2013	8/9/2012	5/3/2013	5/3/2013
Parent Sample Code			OU2MW-47D							OU2MW-52I
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	1 U	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val
Sample Name		OU2MW-47D	DUP-06 Q4	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52S	OU2MW-52I	OU2MW-52I	DUP-05 Q2
Start Depth		60	60	60	60	3	3	20	20	20
End Depth		65	65	65	65	8	8	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/13/2012	11/13/2012	2/12/2013	5/7/2013	8/9/2012	5/3/2013	8/9/2012	5/3/2013	5/3/2013
Parent Sample Code		OU2MW-47D								OU2MW-52I
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Val	Val
Sample Name		OU2MW-47D	DUP-06 Q4	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52S	OU2MW-52I	OU2MW-52I	DUP-05 Q2
Start Depth		60	60	60	60	3	3	20	20	20
End Depth		65	65	65	65	8	8	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/13/2012	11/13/2012	2/12/2013	5/7/2013	8/9/2012	5/3/2013	8/9/2012	5/3/2013	5/3/2013
Parent Sample Code		OU2MW-47D							OU2MW-52I	
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	5000	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-52D	OU2MW-52D	OU2MW-53S	OU2MW-53S	OU2MW-53I	OU2MW-53I	OU2MW-53D	OU2MW-53D	OU2MW-53D
Start Depth		35	35	3	3	20	20	35	35	35
End Depth		40	40	8	8	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	5/3/2013	8/9/2012	6/6/2013	8/9/2012	5/3/2013	8/9/2012	11/26/2012	3/28/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Acetone	50*	5 U	NA	2 J	NA	5 U	NA	5 U	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-52D	OU2MW-52D	OU2MW-53S	OU2MW-53S	OU2MW-53I	OU2MW-53I	OU2MW-53D	OU2MW-53D	OU2MW-53D
Start Depth		35	35	3	3	20	20	35	35	35
End Depth		40	40	8	8	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	5/3/2013	8/9/2012	6/6/2013	8/9/2012	5/3/2013	8/9/2012	11/26/2012	3/28/2013
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	3 J	NA	10 U	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-52D	OU2MW-52D	OU2MW-53S	OU2MW-53S	OU2MW-53I	OU2MW-53I	OU2MW-53D	OU2MW-53D	OU2MW-53D
Start Depth		35	35	3	3	20	20	35	35	35
End Depth		40	40	8	8	25	25	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/9/2012	5/3/2013	8/9/2012	6/6/2013	8/9/2012	5/3/2013	8/9/2012	11/26/2012	3/28/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D
Start Depth		35	5	5	25	25	40	40	60	60
End Depth		40	15	15	30	30	45	45	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/3/2013	8/10/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	2	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D
Start Depth		35	5	5	25	25	40	40	60	60
End Depth		40	15	15	30	30	45	45	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/3/2013	8/10/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013
Parent Sample Code										
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val	Red. Val.	Val
Sample Name		OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D
Start Depth		35	5	5	25	25	40	40	60	60
End Depth		40	15	15	30	30	45	45	65	65
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/3/2013	8/10/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013	8/15/2012	5/6/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	12	NA	27	NA	31	NA	25	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I2
Start Depth		5	5	5	5	30	30	30	30	50
End Depth		15	15	15	15	35	35	35	35	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	14
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1
Total Xylene	5	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	15
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	1 J	NA	NA	NA	1 J	NA	NA	NA	3 J
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	9	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I2
Start Depth		5	5	5	5	30	30	30	30	50
End Depth		15	15	15	15	35	35	35	35	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	NA	NA	7 J
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55S	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I	OU2MW-55I2
Start Depth		5	5	5	5	30	30	30	30	50
End Depth		15	15	15	15	35	35	35	35	55
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55I2	OU2MW-55I2	OU2MW-55I2	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-56S	OU2MW-56S
Start Depth		50	50	50	65	65	65	65	5	5
End Depth		55	55	55	70	70	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	5/31/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	4	1 U	1 U	NA	1 U	2	4	NA	1 U
Total BTEX (ND=0)	NE	4	ND	ND	ND	ND	2	4	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	2 J	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55I2	OU2MW-55I2	OU2MW-55I2	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-56S	OU2MW-56S
Start Depth		50	50	50	65	65	65	65	5	5
End Depth		55	55	55	70	70	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	5/31/2013
Parent Sample Code										
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	2 J	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	1	ND	ND	2

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-55I2	OU2MW-55I2	OU2MW-55I2	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-55D	OU2MW-56S	OU2MW-56S
Start Depth		50	50	50	65	65	65	65	5	5
End Depth		55	55	55	70	70	70	70	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/28/2012	2/14/2013	5/31/2013	8/10/2012	11/28/2012	2/14/2013	5/31/2013	8/10/2012	5/31/2013
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU2MW-56I	OU2MW-56I	OU2MW-56I2	OU2MW-56I2	OU2MW-56D	OU2MW-56D	OU2MW-58S	OU2MW-58S	OU2MW-58I
Start Depth		25	25	50	50	65	65	5	5	25
End Depth		30	30	55	55	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/21/2012	5/6/2013	8/21/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	1 J	NA	1 J	NA	5 U	NA	3 BJ	NA	1 BJ
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U

Table 4-10
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-56I	OU2MW-56I	OU2MW-56I2	OU2MW-56I2	OU2MW-56D	OU2MW-56D	OU2MW-58S	OU2MW-58S	OU2MW-58I
Start Depth		25	25	50	50	65	65	5	5	25
End Depth		30	30	55	55	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/21/2012	5/6/2013	8/21/2012
Parent Sample Code										
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	1 J	NA	100	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		OU2MW-56I	OU2MW-56I	OU2MW-56I2	OU2MW-56I2	OU2MW-56D	OU2MW-56D	OU2MW-58S	OU2MW-58S	OU2MW-58I
Start Depth		25	25	50	50	65	65	5	5	25
End Depth		30	30	55	55	70	70	15	15	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/10/2012	5/31/2013	8/21/2012	5/6/2013	8/21/2012
Parent Sample Code										
Total Metals (µg/L)										
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (µg/L)										
Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level		Val
Sample Name	NYS AWQS	OU2MW-58I
Start Depth		25
End Depth		30
Depth Unit		ft
Sample Date		5/6/2013
Parent Sample Code		
BTEX (µg/L)		
Benzene	1	1 U
Toluene	5	1 U
Ethylbenzene	5	1 U
o-Xylene	5	NA
m/p-Xylene	5	NA
Total Xylene	5	1 U
Total BTEX (ND=0)	NE	ND
Other VOCs (µg/L)		
Acetaldehyde	8*	NA
Acetone	50*	NA
Acrylonitrile	5	NA
Allyl chloride (3-Chloropropene)	5	NA
Bromochloromethane	5	NA
Bromodichloromethane	50*	NA
Bromoform	50*	NA
Bromomethane	5	NA
1,3-Butadiene	NE	NA
Carbon disulfide	60*	NA
Carbon tetrachloride	5	NA
Chlorobenzene	5	NA
Chloroethane	5	NA
2-Chloroethyl vinyl ether	NE	NA
Chloroform	7	NA
Chloromethane	5	NA
Chlorotoluene	5	NA
Cryofluorane (Freon-114)	NE	NA
Cyclohexane	NE	NA
1,2-Dibromo-3-chloropropane	0.04	NA
Dibromochloromethane	50*	NA
1,2-Dibromoethane (EDB)	0.0006	NA
trans-1,4-dichloro-2-butene	5	NA
1,2-Dichlorobenzene	3	NA
1,3-Dichlorobenzene	3	NA
1,4-Dichlorobenzene	3	NA
Dichlorodifluoromethane (Freon 12)	5	NA
1,1-Dichloroethane	5	NA
1,2-Dichloroethane	0.6	NA
1,1-Dichloroethene	0.07	NA
cis-1,2-Dichloroethene	5	NA
trans-1,2-Dichloroethene	5	NA
1,2-Dichloropropane	1	NA
cis-1,3-Dichloropropene	0.4	NA
trans-1,3-Dichloropropene	0.4	NA
1,4-Dioxane	NE	NA
Ethanol	NE	NA
n-Heptane (C7)	NE	NA
Hexachlorobutadiene	0.5	NA
n-Hexane (C6)	NE	NA
2-Hexanone	50*	NA
Iodomethane	5	NA

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level		Val
Sample Name	NYS AWQS	OU2MW-58I
Start Depth		25
End Depth		30
Depth Unit		ft
Sample Date		5/6/2013
Parent Sample Code		
Isopropyl benzene	5	NA
Methyl ethyl ketone (2-Butanone)	50*	NA
Methyl tert-butyl ether (MTBE)	10*	NA
4-Methyl-2-pentanone (MIBK)	NE	NA
Methylene chloride	5	NA
Naphthalene	10*	NA
2-Propanol (Isopropyl Alcohol)	NE	NA
n-Propylbenzene	5	NA
Styrene	5	NA
1,1,1,2-Tetrachloroethane	5	NA
1,1,2,2-Tetrachloroethane	5	NA
Tetrachloroethene (PCE)	5	NA
Tetrahydrofuran	50*	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA
1,2,4-Trichlorobenzene	5	NA
1,1,1-Trichloroethane	5	NA
1,1,2-Trichloroethane	1	NA
Trichloroethene (TCE)	5	NA
Trichlorofluoromethane (Freon 11)	5	NA
1,2,3-Trichloropropane	0.04	NA
1,2,4-Trimethylbenzene	5	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA
Vinyl acetate	NE	NA
Vinyl chloride	2	NA
NYSDEC PAH17 (µg/L)		
Acenaphthene	20*	10 U
Acenaphthylene	NE	10 U
Anthracene	50*	10 U
Benzo(a)anthracene	0.002*	10 U
Benzo(b)fluoranthene	0.002*	10 U
Benzo(k)fluoranthene	0.002*	10 U
Benzo(g,h,i)perylene	NE	10 U
Benzo(a)pyrene	ND	10 U
Chrysene	0.002*	10 U
Dibenz(a,h)anthracene	NE	10 U
Fluoranthene	50*	10 U
Fluorene	50*	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U
2-Methylnaphthalene	NE	10 U
Naphthalene	10*	10 U
Phenanthrene	50*	10 U
Pyrene	50*	10 U
Total PAH (17) (ND=0)	NE	ND

Table 4-10
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 2 (OU-2)

Validation Level		Val
Sample Name	NYS AWQS	OU2MW-58I
Start Depth		25
End Depth		30
Depth Unit		ft
Sample Date		5/6/2013
Parent Sample Code		
Total Metals (µg/L)		
Aluminum	NE	NA
Antimony	3	NA
Arsenic	25	NA
Barium	1000	NA
Beryllium	3*	NA
Cadmium	5	NA
Calcium	NE	NA
Chromium	50	NA
Cobalt	NE	NA
Copper	200	NA
Iron	300	NA
Lead	25	NA
Magnesium	35000*	NA
Manganese	300	NA
Mercury	0.7	NA
Nickel	100	NA
Potassium	NE	NA
Selenium	10	NA
Silver	50	NA
Sodium	20000	NA
Thallium	0.5*	NA
Vanadium	NE	NA
Zinc	2000*	NA
Other (µg/L)		
Ammonia	2000	NA
Carbon dioxide	NE	NA
Nitrogen, Nitrite	1000	NA
Nitrogen, Nitrate	10000	NA
Total Nitrogen	NE	NA
Total Kjeldahl Nitrogen	NE	NA
Standard Plate Count (cfu/mL)	NE	NA
Sulfate	250000	NA
Sulfide	50*	NA
Total Phosphorous	NE	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-11
Summary of Historical BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999				2000	
Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May		
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	15	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	--	0	--	--
MW-01D	35.0 - 45.0	0	--	--	0	--	--	--	--	--	0	--	--
MW-02S/S-R	2.0 - 12.0	161,000	98,200	90,100	143,200	103,200	103,400	132,000	125,100	295,000	72,100	73,000	73,200
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65	199	33
MW-03	4.94 - 14.94	--	35	--	1	--	--	--	--	--	178	--	--
MW-04	5.1 - 15.1	--	1	--	0	--	--	--	--	--	0	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	2,130	635	1,355	4,070	6,910	2,547	1,401	2,360
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	55	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	79,600	46,190	20,640	1,830	28,980	64,900	3,627	71,900	34,900
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0	6	12
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	0	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0
MW-30W/W-R	2.0 - 9.0	--	11,740	--	--	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 9.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--	--	--
MW-34S	2.0 - 10.0	--	39,100	17,000	--	17,600	49,500	3,910	19,750	34,700	28,400	22,700	9,600

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999				2000	
Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May		
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6	10	3
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	0	15	0
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	61	--	--	--	--
MW-37W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	5,500	--	195	--	--	--	--	--	--	--	--
MW-46W/W-R	2.0 - 10.0	--	30,000	--	29,900	--	--	--	--	--	--	--	--
MW-64	19.0 - 24.0	--	--	--	0	0	0	0	0	0	0	25	--
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--	31	0
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	0	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	0	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	0	0	1	172	2	0	0	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	151	--	--
MWBS-02S	5.0 - 15.0	--	997	60	0	--	221	264	40	0	5,510	50	0
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7	12	0
MWBS-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999			2000		
Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May		
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	2	--	3	5
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	2	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	137,000	123,100	--	--	--	--	159,200	149,000	166,500	180,000	134,000	149,600
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	24	24	--	3	28
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	2	--	28	9
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	1,390	242	4,900	170	489	--	2,410	--	175	101	17
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	55,990	15,370	--	--	3,350	122,600	75,500	59,800	24,550	22,700	45,500	4,424
MW-16I	14.0 - 19.0	0	--	--	--	--	--	--	--	--	2	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	10	0	0	2	0	0	--	--	--	0	0	0
MW-29D	14.0 - 19.0	8	--	--	--	--	--	--	--	--	0	--	--
MW-30W/W-R	2.0 - 9.0	--	27,200	16	0	40	6,240	--	77	--	0	104	170
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	8,621	5	3,530	1,500	8	--	71	--	7,440	179	2,142

Table 4-11
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
MW-34I	18.5 - 19.5	0	--	--	--	--	--	--	--	--	3,690	--	--
MW-34D	27.5 - 28.5	55	--	--	--	--	--	--	--	--	0	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	13,230	134	53,700	1,240	24	219	--	--	2,550	7	1	0
MW-46W/W-R	2.0 - 10.0	57,900	25,300	23,800	17,300	--	--	--	--	--	--	--	21,100
MW-64	19.0 - 24.0	0	0	0	0	--	84	--	--	9	0	0	14
MW-65	11.0 - 16.0	0	0	1	0	51	0	--	--	9	0	0	31
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	41,100	8,160	7,920	31	7	0	--	403	--	100	3	5
MW-73	2.0 - 12.0	--	--	--	--	--	--	29,500	8,990	7,140	9,400	26,600	5,220
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	6,580	4,010	78	45	65,700	82,800	158
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	2,702	230	37	252	4,560	21
MW-78	5.0 - 20.0	--	--	--	--	--	--	17,400	3,790	2,156	2,840	17,700	1,320
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	2,090	627	74,200	87,100	12,700
MW-80	5.0 - 20.0	--	--	--	--	--	--	48,000	635	457	6,220	87,600	387
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	1,449	1,318	28,200	31,600	1,530
MW-82	5.0 - 20.0	--	--	--	--	--	--	5,840	1,269	110	26,900	48,300	1,444
MW-83	5.0 - 20.0	--	--	--	--	--	--	189	120	3	458	1,297	8
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	--	--	--
MWBS-02S	5.0 - 15.0	0	6	4	0	0	0	--	1	--	0	0	0
MWBS-02I	14.5 - 15.5	0	4,740	0	59	20	0	--	84	--	0	0	--
MWBS-02D	24.5 - 25.5	0	--	--	--	--	--	--	--	--	3	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	694	885	--	307	1,727
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	661	1,340	--	335	599
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	75	141	--	21	46
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	30,700	19,700	23,100	--	--	14,500
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	86,100	72,600	67,700	93,600	53,300	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	52	40	2	137	820	2
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	14,780	203	90	2,110	6,410	4

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
		Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	0	0	0	0	0	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	0	0	0	4,368	974	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	7,580	5,380	83	10	21,100	290	3,627	45	0
MW-01S	4.0 - 14.0	--	--	--	--	--	--	0	--	--	--	460	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	99,400	124,800	263,000	149,000	172,400	22,000	427	2,050	13	94	194	945
MW-02I/I-R	22.5 - 23.5	--	--	63	14	--	--	--	62	--	--	--	0
MW-03	4.94 - 14.94	23	85	--	35	51	52	0	22	28	24	27	0
MW-04	5.1 - 15.1	0	69	--	0	0	0	0	0	0	0	0	12
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	172	382	16	0	0	0	1,449	30	6,580	1,400	2,071	190
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	10,400	27,260	42,700	354	1,320	41,800	317	66,800	65,500	34,600	45,820	42,100
MW-16I	14.0 - 19.0	--	--	0	0	--	--	--	0	--	--	--	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	--	0	--	--	--	0	--
MW-30W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	0	0	10	0	0
MW-32W/W-R	2.0 - 9.0	--	2,290	4,832	1,189	2,048	74,400	33,300	8,413	5,171	4,400	9,200	4,565
MW-34S	2.0 - 10.0	2,141	34,600	2,827	13,000	13,900	3,364	12,370	5,068	11,700	29,200	3,820	14,600

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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March		
MW-34I	18.5 - 19.5	--	--	--	4,090	--	--	--	1,348	--	--	--	0
MW-34D	27.5 - 28.5	--	0	0	0	--	--	--	0	--	--	--	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	8,500	720	1,950	25,000	2,780	11,300	39,300	14,000	19,300	16,100	14,600
MW-46W/W-R	2.0 - 10.0	35,800	18,800	8,800	43,400	20,800	23,100	22,500	37,100	40,200	42,400	15,760	17,110
MW-64	19.0 - 24.0	85,000	0	0	0	0	24	7,650	0	5,651	0	750	19
MW-65	11.0 - 16.0	0	0	0	0	0	0	3,852	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	23,800	12	1,170	1,114	6,150	39,400	70	267	45,500	57,000	4,630	4,360
MW-73	2.0 - 12.0	--	64,000	89,000	34,000	33,000	71,500	27,700	26,700	26,500	52,000	557	8,460
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	1,260	161,100	110,500	4,060	1,302	34,500	212	1,815	129,200	157,100	17,000	5,389
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	0	109	136	0	--	0	33	0	170	23	0	27
MW-78	5.0 - 20.0	11,960	30,800	42,000	11,800	18,200	13,400	8,400	15,700	21,800	8,700	3,090	5,900
MW-79	5.0 - 20.0	69,800	101,600	93,700	116,000	82,600	34,820	24,100	32,300	9,800	7,300	588	3,740
MW-80	5.0 - 20.0	33,300	88,000	126,000	118,000	96,000	81,400	66,900	132,000	197,000	301,000	38,300	44,000
MW-81	5.0 - 20.0	12,930	53,600	33,000	63,000	25,000	20,400	35,200	37,800	22,870	29,100	15,660	5,000
MW-82	5.0 - 20.0	17,910	245,000	46,000	20,280	9,160	30,300	10,400	5,340	25,300	140	58,900	44,200
MW-83	5.0 - 20.0	62	40	950	0	54	0	1,543	788	980	1,280	142	101
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	2,853	323	0	0	22	82	0	0	0
MWBS-02I	14.5 - 15.5	0	--	--	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	0	--	--	0	--	--	--	87	--	--	--	191
MW-UST1	2.0 - 12.0	1,033	1,110	1,911	51	2,343	2,700	240	122	660	830	1,083	117
MW-UST2	2.0 - 12.0	1,160	2,400	1,854	440	1,812	3,800	1,430	3,117	1,880	2,700	1,410	1,652
MW-UST3	2.0 - 12.0	33	79	74	145	320	0	22	247	41	12	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
		Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	1,400	0	0	0	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	--	68,000	74,000	115,900	117,600	82,000	83,000	90,000	60,300	37,300	100,000	19,500
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	127	73,800	92,300	0	0	0	0	0	26,900	24,900	25,500	1,600
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	5,870	9,810	23,100	33,200	11,600	615	4,400	936	5,509	249	2,702	570

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	0	--	0	--	0	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	0	--	0	--	0	--	--	--	0
BBMW-28S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	134	0	0	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-30I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-30D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-31S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--	2
BBMW-31I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--	3
BBMW-31D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	3
BBMW-32S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-32I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-32D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	0	0	0	0	0	1	0	0	-	0
BW-UST-28	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	101	2,300	0	0	83	0	73	0	0	0
MW-01S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	0	0	0	0	0	0	0	0	--	--	--	0
MW-02S/S-R	2.0 - 12.0	51	0	68	346	625	1,695	248	27	1	16	47	812
MW-02I/I-R	22.5 - 23.5	--	--	--	0	0	0	0	0	0	3	0	0
MW-03	4.94 - 14.94	24	28	14	0	0	20	18	5	5	9	11	6
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	61	0	933	42	110	62	97	95	77	35	8	0
MW-12W	2.0 - 10.0	--	--	--	0	0	0	0	0	0	0	0	2
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	15,000	17,900	18,600	12,250	6,050	15,870	20,770	36,270	11,710	5,840	14,280	3,275
MW-16I	14.0 - 19.0	--	--	--	0	103	0	59	84	17	0	4	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	0	0	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
MW-29D	14.0 - 19.0	--	--	--	0	0	0	0	0	--	--	--	0
MW-30W/W-R	2.0 - 9.0	106	130	0	0	0	0	0	0	0	1	0	0
MW-32W/W-R	2.0 - 9.0	5,950	5,100	1,502	1,060	567	1,080	9,760	2,040	57	0	29	232
MW-34S	2.0 - 10.0	25,500	9,240	5,760	85	9,750	35,100	19,800	7,750	25,870	5,638	9,100	3,636

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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
MW-34I	18.5 - 19.5	--	--	--	0	0	5	934	35	0	0	0	0
MW-34D	27.5 - 28.5	--	--	--	0	0	0	0	0	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	2,214	1,720	5,770	3,200	43,400	1,236	1,717	3,600	5,690	242	142	4,210
MW-46W/W-R	2.0 - 10.0	7,270	2,750	2,330	1,256	3,810	915	1,400	8,130	1,664	3,471	1,231	525
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	4	0	0	7	0
MW-66S	1.5 - 11.5	--	--	--	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	175	277	363	31	268	351	1,577	11,590	7,750	10,910	675	1,124
MW-73	2.0 - 12.0	14,520	36,200	15,070	18,700	22,500	15,300	14,000	12,800	5,970	9,800	5,380	7,100
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	1,540	3,600	491	580	355	9,420	2,254	268	1,802	77,440	1,181	569
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	0	0	0	0	0	4	7	2	0	1	0	0
MW-78	5.0 - 20.0	4,710	18,100	4,080	2,320	3,050	2,480	2,270	54	167	449	312	2,590
MW-79	5.0 - 20.0	3,320	1,220	7,690	13,900	2,840	2,030	542	3,160	32	3,110	2,060	10,100
MW-80	5.0 - 20.0	38,700	6,170	41,100	148,000	26,100	41,000	106,000	3,220	18,700	52,300	90,400	55,200
MW-81	5.0 - 20.0	9,510	3,499	16,900	65,800	16,100	36,300	61,800	8,690	1,080	18,840	5,020	257
MW-82	5.0 - 20.0	30,000	43,400	21,800	7,144	14,460	4,338	17,989	1,164	2,254	6,942	19,071	6,151
MW-83	5.0 - 20.0	0	5,042	161	41	2,320	6,761	39	36	0	687	2,145	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	8	0	0	0	0	98
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	17	0	0
MWBS-02D	24.5 - 25.5	--	--	--	0	0	0	0	17	0	0	0	0
MW-UST1	2.0 - 12.0	1,270	2,400	944	950	1,250	796	470	--	--	--	--	--
MW-UST2	2.0 - 12.0	1,925	3,011	1,250	960	1,260	1,173	1,686	--	--	--	--	--
MW-UST3	2.0 - 12.0	19	0	0	14	0	6	4	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	70,920	0	0	0	0	0
PDMW-02	5.0 - 20.0	85,100	67,500	98,000	62,700	79,700	68,020	84,400	70,570	65,260	51,400	73,810	59,210
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	45,561	27,913	14,511
SV-02	2.0 - 12.0	32	27,400	42	0	0	26,000	0	0	0	0	0	26
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	257	831	116	65	207	185	341	105	477	60	56	29

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009			2010			2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-09I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	0	--	--	--	0	--	--	--	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	--	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	10	0	0	0	0	--	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	0	0	1	0	0	0
BBMW-30S	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	0	0	0	2	0	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	--	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-11	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-29	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	0	0	1,275	82	17,660	11,855	13,120	9,050	4,578
MW-01S	4.0 - 14.0	0	0	0	0	0	0	0	0	--	--	--	0
MW-01D	35.0 - 45.0	0	0	--	0	--	--	--	0	--	--	--	0
MW-02S/S-R	2.0 - 12.0	64	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	0	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	14	16	18	14	14	12	3	3	--	--	--	0
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	--	--	--	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
MW-11W	2.0 - 10.0	0	27	0	0	0	0	0	0	10	33	52	13
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	4
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	--	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	4,192	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	--	--	0	--	--	--	0
MW-29D	14.0 - 19.0	0	0	0	0	0	--	--	0	--	--	--	0
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	3	0	0	0	0	0	30
MW-32W/W-R	2.0 - 9.0	91	277	2	120	0	0	0	0	62	1,548	795	8
MW-34S	2.0 - 10.0	2,310	57	2	16	80	4,080	1,666	179	225	11,830	5,930	4,310

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009			2010			2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
MW-34I	18.5 - 19.5	0	0	0	0	0	222	0	1,240	4,970	6,421	7,177	11,070
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	0	0	1,773	2,357	236
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	0
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0
MW-45W	2.0 - 10.0	15,700	1,737	15	323	1,075	1	0	14	0	0	0	36
MW-46W/W-R	2.0 - 10.0	1,510	811	559	431	1,135	954	549	2,335	1,835	1,152	184	270
MW-64	19.0 - 24.0	0	0	0	0	0	2,270	13,530	18,020	23,140	21,050	3,698	5,704
MW-65	11.0 - 16.0	0	0	0	0	0	0	5	0	0	0	5,639	2,324
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	0
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	0
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	621	410	57	169	353	754	1,546	1,107	9,700	7,580	4,096	5,120
MW-73	2.0 - 12.0	62,600	45,100	7,400	8,970	12,000	612	258	863	3,560	1,225	2,276	581
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	8,350	1,760	1,200
MW-75	2.0 - 12.0	7,290	68,310	935	1,375	608	50,410	4,707	5	7	12,710	468	32
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	3,370	5,821	20,409
MW-76	2.0 - 12.0	0	0	0	0	2	0	0	1	0	0	112	0
MW-78	5.0 - 20.0	2,140	3,370	599	650	--	4,890	4,650	210	1,380	583	3,010	4,390
MW-79	5.0 - 20.0	189	893	6,780	1,020	4,290	274	23,000	1,200	1,310	9,750	2,280	9,580
MW-80	5.0 - 20.0	34,500	8,750	20,100	3,750	11,260	20,090	10,780	2,820	2,330	11,320	2,470	5,270
MW-81	5.0 - 20.0	152	607	25,120	6,120	7,730	24,400	5,700	1,187	2,298	3,050	3,240	2,225
MW-82	5.0 - 20.0	403	1,822	4,140	4,260	18,100	1,890	5,410	655	55	1,743	508	1,487
MW-83	5.0 - 20.0	0	66	0	0	4	10	2,387	11	16	155	2,339	1,992
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	268	103	939	56	115	3	0	11	4	120	177
MWBS-02I	14.5 - 15.5	3	30	14	4	107	83	0	2	4	1	34	43
MWBS-02D	24.5 - 25.5	0	0	0	1	0	0	0	1	0	0	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	0	0	0	0	0	0	0	0	0	0	43
OU3MW-02S	3.0 - 13.0	--	0	0	5	0	0	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	0	0	0	0	0	0	0	3	0	0	0
OU3MW-03S	1.0 - 11.0	--	58	0	0	15	0	0	542	224	698	8,690	665
OU3MW-03I	20.0 - 25.0	--	0	0	4	132	0	0	2,463	1,480	5,630	769	138
OU3MW-04S	1.0 - 11.0	--	37	114	0	0	7	0	21	2	0	18	0
OU3MW-04I	16.0 - 21.0	--	187	0	0	336	208	0	0	108	541	115	0
OU3MW-04D	26.0 - 31.0	--	0	0	0	0	0	0	0	0	152	15,384	2,837
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	11
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-05S	2.0 - 12.0	--	--	0	0	0	0	0	0	0	0	0	0

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009			2010			2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU3MW-05I	15.0 - 20.0	--	--	0	0	0	0	0	246	75	0	0	0
OU3MW-06	3.0 - 13.0	--	0	0	0	0	7	0	0	11	0	0	32
OU3MW-07S	3.0 - 13.0	--	--	--	3,461	39	8	251	179	108	0	0	0
OU3MW-07I	15.0 - 20.0	--	--	--	0	0	0	0	4,040	326	61	38	0
OU3MW-07I2	20.0 - 25.0	--	--	--	0	0	0	0	3,267	10,427	3,520	1,416	7,366
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	12,187
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	5,200	5,730	4,530	4,940	1,970	2,330
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	2,002	407	365	287	79	37
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	38,700	31,840	20,390	22,230	23,690	5,920
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	4	46	27
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	4,614	3,084	958	492	251	113
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	8	0	0	1	63	201
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	8
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	1	0	0	0	0	0
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	5
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	1,490	2,730	21,000
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	34,200	31,100	23,600
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	2,598	1,444	204
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	43	898	769
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	--	0	0	0	0	0	0	18	0	0	2
PDMW-02	5.0 - 20.0	46,350	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	27,515	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	1	34,300	4	0	212	32,000	27	0	0	17	20	114
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	12,120	1,562	1,035
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	0	0	2
SV-03	2.0 - 12.0	10	5	8	0	0	5	144	3	7	10	3	73

Table 4-11
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Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-09S	5.0 - 15.0	--	--	--	--	--	0	85	3	0	85
BBMW-09I	30.0 - 40.0	--	--	--	--	--	0	0	0	0	0
BBMW-09D	62.0 - 72.0	--	--	--	--	--	0	15	2	0	15
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	10	0	0	10
BBMW-29	2.0 - 9.0	0	15	0	1	0	0	4,368	166	0	4,368
BBMW-30S	2.0 - 10.0	0	0	--	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	0	0	--	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	0	2	--	0	0	0	2	0	0	2
BBMW-31S	2.0 - 10.0	0	0	0	0	0	0	2	0	0	2
BBMW-31I	14.0 - 19.0	0	0	0	0	0	0	3	0	0	3
BBMW-31D	30.0 - 35.0	0	0	0	0	0	0	3	0	0	3
BBMW-32S	2.0 - 10.0	0	0	--	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	0	0	--	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	0	0	--	0	0	0	2	0	0	2
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	0	1	0	0	1
BW-UST-28	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	5,794	0	0	0	0	0	21,100	2,813	0	21,100
MW-01S	4.0 - 14.0	--	--	--	--	--	0	460	17	0	460
MW-01D	35.0 - 45.0	--	--	--	--	--	0	0	0	0	0
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	0	295,000	77,916	0	295,000
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	0	238,900	10,281	0	238,900
MW-03	4.94 - 14.94	--	--	--	--	--	0	178	22	0	178
MW-04	5.1 - 15.1	--	--	--	--	--	0	69	3	0	69
MW-08W	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-11W	2.0 - 10.0	585	1,534	428	2	4	0	6,910	839	0	6,910
MW-12W	2.0 - 10.0	488	18	0	15	80	0	488	20	0	488
MW-13W	2.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	55	55	55	55	55
MW-16SR	2.0 - 10.0	--	--	--	--	--	317	122,600	30,530	317	122,600
MW-16I	14.0 - 19.0	--	--	--	--	--	0	103	17	0	103
MW-17W	2.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-24D	14.0 - 19.0	--	--	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	--	0	0	0	0	0
MW-29S	5.0 - 10.0	--	--	--	--	--	0	10	0	0	10
MW-29D	14.0 - 19.0	--	--	--	--	--	0	8	0	0	8
MW-30W/W-R	2.0 - 9.0	26	0	--	0	0	0	27,200	1,093	0	27,200
MW-32W/W-R	2.0 - 9.0	25	10	156	2	3	0	74,400	6,231	0	74,400
MW-34S	2.0 - 10.0	1,737	227	126	1	0	1	49,500	10,209	0	49,500

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-34I	18.5 - 19.5	4,165	80	58	38	18	0	25,600	1,825	0	25,600
MW-34D	27.5 - 28.5	1,747	203	1	2	13	0	16,200	552	0	16,200
MW-34DD	27.5 - 28.5	--	--	0	--	0	0	61	15	0	61
MW-37W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-39W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	0	0	0	0	0	0	53,700	6,321	0	53,700
MW-46W/W-R	2.0 - 10.0	1,187	9	3	0	0	0	57,900	12,314	0	57,900
MW-64	19.0 - 24.0	12,929	25,962	6,549	2,447	1,906	0	85,000	4,114	0	85,000
MW-65	11.0 - 16.0	564	557	328	309	4	0	5,639	254	0	5,639
MW-66S	1.5 - 11.5	0	0	--	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	--	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	0	0	0	0	0	0
MW-67D	24 - 29	--	--	--	--	0	0	0	0	0	0
MW-68S	15.0 - 20.0	--	--	--	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	20	2	0	172	24	0	172
MW-70/70S	2.0 - 12.0	1,908	1,735	38	4	0	0	57,000	6,230	0	57,000
MW-73	2.0 - 12.0	3,610	1,128	1,338	1,109	1,822	258	89,000	18,894	258	89,000
MW-73I	22.0 - 27.0	1,590	1,325	1,098	1,147	719	1,098	8,350	2,353	719	8,350
MW-75	2.0 - 12.0	72	6,990	3,420	24	173	5	161,100	22,121	5	161,100
MW-75I	22.0 - 27.0	990	2,012	1,652	492	517	492	20,409	4,964	492	20,409
MW-76	2.0 - 12.0	0	0	0	0	0	0	4,560	187	0	4,560
MW-78	5.0 - 20.0	4,280	25,300	8,900	2,030	18,290	54	42,000	7,643	54	42,000
MW-79	5.0 - 20.0	9,930	14,900	8,040	3,340	4,260	32	116,000	19,997	32	116,000
MW-80	5.0 - 20.0	12,980	5,250	4,450	5,340	3,080	387	301,000	48,990	387	301,000
MW-81	5.0 - 20.0	7,390	7,852	7,158	251	1,023	152	65,800	17,021	152	65,800
MW-82	5.0 - 20.0	1,196	259	1,609	523	461	55	245,000	17,730	55	245,000
MW-83	5.0 - 20.0	662	186	281	8	34	0	6,761	725	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	151	51	0	151
MWBS-02S	5.0 - 15.0	28	12	1	0	0	0	5,510	206	0	5,510
MWBS-02I	14.5 - 15.5	80	376	3	0	1	0	9,998	305	0	9,998
MWBS-02D	24.5 - 25.5	2,971	414	71	0	0	0	17,530	596	0	17,530
MW-UST1	2.0 - 12.0	--	--	--	--	--	51	2,700	1,039	51	2,700
MW-UST2	2.0 - 12.0	--	--	--	--	--	335	3,800	1,646	335	3,800
MW-UST3	2.0 - 12.0	--	--	--	--	--	0	320	56	0	320
OU3MW-01S	3.0 - 13.0	0	0	8	0	0	0	43	3	0	43
OU3MW-02S	3.0 - 13.0	0	0	0	0	0	0	5	0	0	5
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	3	0	0	3
OU3MW-03S	1.0 - 11.0	530	81	89	48	2	0	8,690	776	0	8,690
OU3MW-03I	20.0 - 25.0	285	1,621	21	0	2,472	0	5,630	836	0	5,630
OU3MW-04S	1.0 - 11.0	4	0	0	0	0	0	114	14	0	114
OU3MW-04I	16.0 - 21.0	0	0	0	0	0	0	541	100	0	541
OU3MW-04D	26.0 - 31.0	939	3,001	1,665	7	7	0	15,384	1,599	0	15,384
OU3MW-04D2	31.0 - 36.0	6	770	400	13	4	6	770	240	4	770
OU3MW-04D3	41.0 - 46.0	0	1	0	0	0	0	1	0	0	1
OU3MW-05S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0

Table 4-11
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU3MW-05I	15.0 - 20.0	0	72	39	115	364	0	246	39	0	364
OU3MW-06	3.0 - 13.0	0	0	0	0	0	0	32	3	0	32
OU3MW-07S	3.0 - 13.0	23	0	0	0	0	0	3,461	313	0	3,461
OU3MW-07I	15.0 - 20.0	850	57	1,121	0	0	0	4,040	499	0	4,040
OU3MW-07I2	20.0 - 25.0	2,502	37	20	19	14	0	10,427	2,198	0	10,427
OU3MW-07I3	25.0 - 30.0	107	12	3	36	5	3	12,187	2,469	3	12,187
OU3MW-07I4	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0
OU3MW-08S	2.0 - 12.0	2,260	1,321	966	1,850	165	966	5,730	3,110	165	5,730
OU3MW-08I	25.0 - 30.0	2	0	--	--	0	0	2	0	0	2
OU3MW-09S	2.0 - 12.0	56	59	115	0	0	0	2,002	341	0	2,002
OU3MW-09I	25.0 - 30.0	1,948	2,441	3,497	915	2,080	915	38,700	15,157	915	38,700
OU3MW-09I2	35.0 - 40.0	18	73	27	16	70	4	73	30	4	73
OU3MW-10S	2.0 - 12.0	143	42	40	0	0	0	4,614	974	0	4,614
OU3MW-10I	25.0 - 30.0	440	712	303	469	580	0	712	220	0	712
OU3MW-11S	2.0 - 12.0	0	0	--	--	0	0	8	1	0	8
OU3MW-11I	25.0 - 30.0	0	0	--	--	0	0	1	0	0	1
OU3MW-12S	2.0 - 12.0	0	0	--	--	0	0	5	1	0	5
OU3MW-12I	25.0 - 30.0	0	0	--	--	0	0	0	0	0	0
OU3MW-13S	2.0 - 12.0	2,700	3,940	21,000	6,100	12,120	1,490	21,000	8,423	1,490	21,000
OU3MW-14S	2.0 - 12.0	27,800	20,100	23,100	21,500	19,600	20,100	34,200	25,914	19,600	34,200
OU3MW-15S	2.0 - 12.0	412	1,847	2,254	51	184	51	2,598	1,259	51	2,598
OU3MW-16S	2.0 - 12.0	846	259	164	1,128	219	43	1,128	587	43	1,128
OU3MW-17S	2.0 - 12.0	--	--	--	--	0	0	0	--	0	0
OU3MW-17I	15.0 - 20.0	--	--	--	--	0	0	0	--	0	0
OU3MW-17I2	25.0 - 30.0	--	--	--	--	2	0	0	--	2	2
OU3MW-18I	15.0 - 20.0	--	--	--	--	55	0	0	--	55	55
OU3MW-18I2	25.0 - 30.0	--	--	--	--	5	0	0	--	5	5
PDMW-01	5.0 - 20.0	0	0	--	--	0	0	70,920	3,911	0	70,920
PDMW-02	5.0 - 20.0	--	--	--	--	--	19,500	117,600	73,549	19,500	117,600
PDMW-03	5.0 - 15.0	--	--	--	--	--	14,511	45,561	28,875	14,511	45,561
SV-02	2.0 - 12.0	0	767	1	0	0	0	92,300	7,981	0	92,300
SV-02I	22.0 - 27.0	8,568	6,944	25,765	1,407	294	1,035	25,765	8,200	294	25,765
SV-02I2	35.0 - 40.0	62	47	1	0	0	0	62	16	0	62
SV-03	2.0 - 12.0	536	21	5	17	0	0	33,200	2,733	0	33,200

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999				2000	
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	--	0	--	--
MW-01D	35.0 - 45.0	0	--	--	1	--	--	--	--	--	0	--	--
MW-02S/S-R	2.0 - 12.0	4,300	1,941	6,181	9,700	21,640	21,257	1,694	2,238	1,919	1,618	1,530	1,787
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	0	0	53
MW-03	4.94 - 14.94	--	40	--	0	--	--	--	--	--	77	--	--
MW-04	5.1 - 15.1	--	4	--	99	--	--	--	--	--	0	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	861	222	142	298	469	62	290	389
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	3	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	15,910	10,500	2,468	696	2,447	2,307	450	1,910	1,173
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7	0	0
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	1	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	516	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0
MW-30W/W-R	2.0 - 9.0	--	753	--	--	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 9.0	--	322	--	--	730	1,435	810	368	--	--	--	--
MW-34S	2.0 - 10.0	--	333	1,002	--	1,035	1,604	341	1,355	1,157	502	611	381

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999				2000	
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0	0	203
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	0	--	--	--	--
MW-37W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--	--	--
MW-46W/W-R	2.0 - 10.0	--	1,482	--	4,156	--	--	--	--	--	--	--	--
MW-64	19.0 - 24.0	--	--	--	1	0	0	12	3	0	14	0	13
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--	9	34
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	2	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	0	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	0	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	1	0	0	3	0	0	0	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-73I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	64	--	--
MWBS-02S	5.0 - 15.0	--	167	24	0	--	262	36	5	79	245	274	81
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0	11	258
MWBS-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1997		1998			1999			2000		
Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May		
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	99	--	99	53
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	1,681	1,620	--	--	--	--	1,595	1,583	1,367	10,830	6,440	2,542
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	103	85	--	89	50
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	90	--	99	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	178	265	363	159	156	--	246	--	225	145	22
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	3,096	1,036	--	--	77	38,045	6,557	3,414	1,558	2,430	6,140	214
MW-16I	14.0 - 19.0	0	--	--	--	--	--	--	--	--	0	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	2	0	0	0	0	0	--	--	--	0	0	0
MW-29D	14.0 - 19.0	2	--	--	--	--	--	--	--	--	0	--	--
MW-30W/W-R	2.0 - 9.0	--	1,300	228	229	4	125	--	55	--	0	8	2
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	518	130	0	30	1	--	0	--	85	0	22

Table 4-12
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
MW-34I	18.5 - 19.5	0	--	--	--	--	--	--	--	--	22	--	--
MW-34D	27.5 - 28.5	2	--	--	--	--	--	--	--	--	0	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	781	10	1,676	11	0	6	--	--	52	2	64	0
MW-46W/W-R	2.0 - 10.0	2,141	228	0	21	--	--	--	--	--	--	--	380
MW-64	19.0 - 24.0	97	0	14	2	--	50	--	--	0	1	9	0
MW-65	11.0 - 16.0	8	13	34	4	--	228	--	--	0	0	0	38
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	1,720	84	2	1	0	4	--	7	--	4	3	0
MW-73	2.0 - 12.0	--	--	--	--	--	--	1,471	223	213	738	1,336	280
MW-73I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	73	153	93	100	2,553	2,863	58
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	142	105	101	116	115	58
MW-78	5.0 - 20.0	--	--	--	--	--	--	1,439	371	278	161	735	66
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	120	106	6,015	2,911	234
MW-80	5.0 - 20.0	--	--	--	--	--	--	1,511	88	2,316	152	1,426	53
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	118	129	2,345	1,382	101
MW-82	5.0 - 20.0	--	--	--	--	--	--	245	138	83	2,784	3,090	49
MW-83	5.0 - 20.0	--	--	--	--	--	--	116	98	108	108	180	180
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	--	--	--
MWBS-02S	5.0 - 15.0	115	105	242	39	2	84	--	164	--	0	0	0
MWBS-02I	14.5 - 15.5	3	261	576	513	122	3	--	4	--	2	8	0
MWBS-02D	24.5 - 25.5	0	--	--	--	--	--	--	--	--	0	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	247	216	--	112	979
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	263	330	--	101	53
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	92	134	--	105	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2000		2001				2002					
		Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	1,538	1,432	1,431	--	--	2,188
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	1,929	2,181	1,933	5,848	3,250	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	95	112	99	99	186	103
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	332	95	108	297	279	49

Table 4-12
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
		Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	0	0	68	0	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	0	0	0	170	120	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	786	625	0	0	937	91	350	0	0
MW-01S	4.0 - 14.0	--	--	--	--	--	--	0	--	--	--	0	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	1,800	1,300	1,500	2,400	2060	254	0	14	0	0	0	0
MW-02I/I-R	22.5 - 23.5	--	--	0	0	--	--	--	0	--	--	--	0
MW-03	4.94 - 14.94	0	45	--	26	19	43	19	21	34	40	57	0
MW-04	5.1 - 15.1	0	53	--	0	0	0	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	21	35	11	0	1729	0	110	0	10	0	27	15
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	72	590	649	0	0	1,022	2,068	3,500	3,900	3,611	1,280	2,183
MW-16I	14.0 - 19.0	--	--	0	0	--	--	--	57	--	--	--	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	--	0	--	--	--	0	--
MW-30W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	--	11	130	0	0	370	877	55	59	0	180	110
MW-34S	2.0 - 10.0	27	130	30	160	130	49	210	212	52	67	110	461

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
		Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March
MW-34I	18.5 - 19.5	--	--	--	496	--	--	--	290	--	--	--	0
MW-34D	27.5 - 28.5	--	0	96	0	--	--	--	0	--	--	--	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	49	38	170	699	65	341	723	180	424	561	895
MW-46W/W-R	2.0 - 10.0	690	264	160	647	150	589	443	1,048	972	1,200	1,045	544
MW-64	19.0 - 24.0	1,600	0	0	0	0	0	120	0	318	0	0	0
MW-65	11.0 - 16.0	0	65	0	37	0	0	502	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	200	18	32	18	46	260	0	0	170	556	57	91
MW-73	2.0 - 12.0	--	940	1,557	843	1,470	1,500	1,030	956	829	1,290	1,800	575
MW-73I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	0	1,700	1,490	60	0	387	0	22	1,350	2,890	384	100
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	15	120	0	0	0	0	47	0	0	0	14
MW-78	5.0 - 20.0	550	692	958	585	707	85	22	463	1,160	493	0	445
MW-79	5.0 - 20.0	2,000	1,100	1,380	2,000	0	1,200	661	1,400	790	522	104	281
MW-80	5.0 - 20.0	1,100	1,178	1,700	2,500	1,600	1,390	1,370	2,400	2,200	2,300	1,080	1,200
MW-81	5.0 - 20.0	780	2,100	1,611	1,714	696	1,112	1,100	1,700	100	1,210	434	487
MW-82	5.0 - 20.0	390	570	810	733	276	19	995	233	358	488	1,571	1,140
MW-83	5.0 - 20.0	0	14	29	0	0	0	76	140	0	150	25	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	18	24	160	75	25	0	150	41	0	0	0
MWBS-02I	14.5 - 15.5	0	--	--	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	0	--	--	64	--	--	--	0	--	--	--	16
MW-UST1	2.0 - 12.0	230	96	344	0	221	520	52	55	260	392	373	140
MW-UST2	2.0 - 12.0	140	357	227	0	297	500	353	621	373	361	208	265
MW-UST3	2.0 - 12.0	0	14	25	33	0	0	16	26	0	0	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2003			2004				2005				2006
		Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	13,000	0	0	0	0	0	71	0	0	0	0	0
PDMW-02	5.0 - 20.0	--	1,130	1,714	2,300	2,463	1,918	2,316	2,616	2,312	2,716	2,416	2,013
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	0	430	515	0	0	0	0	0	39	190	324	0
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	190	280	548	536	272	150	130	80	33	0	0	96

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	150	--	0	--	0	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	0	--	0	--	0	--	--	--	0
BBMW-28S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	3	0	0
BBMW-28I	10.0 - 20.0	--	--	--	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	37	0	0	0	252	0	0	0	0	5	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-30I	14.0 - 19.0	--	--	--	--	0	4	0	0	--	--	--	0
BBMW-30D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-31S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-31I	14.0 - 19.0	--	--	--	--	0	4	0	0	--	--	--	0
BBMW-31D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-32S	2.0 - 10.0	--	--	--	--	0	1	1	0	--	--	--	0
BBMW-32I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-32D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	0	0	0	69	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	0	0	0	68	0	2	1	0	0	0
BW-UST-28	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	0	0	0	0	0	3	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	100	0	0	18	0	4	0	0	0
MW-01S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0	1
MW-01D	35.0 - 45.0	0	263	0	0	0	0	0	0	--	--	--	0
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-02I/I-R	22.5 - 23.5	--	--	--	0	0	0	0	0	0	0	0	0
MW-03	4.94 - 14.94	28	35	34	35	11	56	0	12	0	0	28	0
MW-04	5.1 - 15.1	0	0	0	0	0	1	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	18	0	19	0	0	5	1	2	0	0	0	0
MW-12W	2.0 - 10.0	--	--	--	0	0	0	0	0	0	3	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	1,870	1,056	676	842	232	280	579	922	355	552	104	28
MW-16I	14.0 - 19.0	--	--	--	0	44	0	0	0	0	0	0	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	3	0	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
MW-29D	14.0 - 19.0	--	--	--	0	0	0	0	0	--	--	--	0
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	89	98	100	97	45	47	105	123	38	12	0	3
MW-34S	2.0 - 10.0	397	210	140	150	68	110	402	81	186	51	42	83

Table 4-12
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 Bay Shore/Brightwaters Former MGP Site
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
MW-34I	18.5 - 19.5	--	--	--	0	0	0	124	12	0	0	0	0
MW-34D	27.5 - 28.5	--	--	--	0	0	0	6	0	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	74	40	233	0	0	10	9	0	0	0	0	10
MW-46W/W-R	2.0 - 10.0	50	233	192	37	71	47	74	102	24	0	39	39
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	0	0	0	1	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0
MW-70/70S	2.0 - 12.0	0	11	13	0	0	10	13	39	25	96	22	14
MW-73	2.0 - 12.0	669	1,100	545	497	345	495	1,189	444	105	1	0	97
MW-73I	22.0-27.0												
MW-75	2.0 - 12.0	56	55	0	0	0	180	47	0	0	1,024	0	1
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-78	5.0 - 20.0	493	616	0	0	46	40	31	0	0	0	0	0
MW-79	5.0 - 20.0	103	41	0	140	0	0	0	90	1	6	0	13
MW-80	5.0 - 20.0	694	258	1,480	831	601	884	1,173	277	509	790	701	522
MW-81	5.0 - 20.0	274	2,700	807	1,068	448	1,130	1,508	480	0	50	4	19
MW-82	5.0 - 20.0	837	1,137	150	234	286	127	306	0	1	0	448	0
MW-83	5.0 - 20.0	0	230	0	0	0	0	2	0	0	1	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	0	0	7	0	0	3
MWBS-02I	14.5 - 15.5	0	0	0	10	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	--	22	0	0	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	520	541	260	358	363	239	140	--	--	--	--	--
MW-UST2	2.0 - 12.0	457	227	120	155	59	450	550	--	--	--	--	--
MW-UST3	2.0 - 12.0	12	0	0	0	0	0	0	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006			2007				2008				2009
		Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	1,464	0	0	2	0	0
PDMW-02	5.0 - 20.0	2,420	2,119	3,022	2,716	2,520	1,241	1,976	3,025	2,226	1,934	1,950	2,797
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	1,721	1,619	2,100
SV-02	2.0 - 12.0	0	35	0	0	0	133	0	0	3	0	0	0
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	57	0	0	17	0	31	72	17	0	0	0	0

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009			2010			2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	1	--	--	--	0
BBMW-09I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	0	--	--	--	0	--	--	--	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	--	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	7	--	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	0	0	0	2	0	0
BBMW-30S	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	4
BBMW-30I	14.0 - 19.0	--	--	3	0	0	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	--	0	2	0	12	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	--	3	0	0	0	1	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	--	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-11	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	16
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-29	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	0	0	102	0	992	1,285	682	689	704
MW-01S	4.0 - 14.0	0	0	0	0	0	0	0	0	--	--	--	0
MW-01D	35.0 - 45.0	0	0	--	0	--	--	--	0	--	--	--	0
MW-02S/S-R	2.0 - 12.0	0	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	0	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	0	82	16	0	62	0	0	3	--	--	--	6
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	--	--	--	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
MW-11W	2.0 - 10.0	0	0	1	0	0	0	0	0	0	0	1	2
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	--	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	143	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0
MW-26D	14.0 - 19.0	0	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	--	--	0	--	--	--	0
MW-29D	14.0 - 19.0	0	0	0	0	0	--	--	0	--	--	--	0
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	6	4	4	0	0	0	0	0	0	29	39	14
MW-34S	2.0 - 10.0	105	17	0	15	14	49	702	112	78	229	179	284

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2009			2010			2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
MW-34I	18.5 - 19.5	0	0	0	0	0	247	0	150	234	832	598	869
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	0	0	306	290	40
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	0
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0
MW-45W	2.0 - 10.0	153	60	0	2	0	1	0	0	0	0	0	0
MW-46W/W-R	2.0 - 10.0	60	31	10	19	3	173	168	195	103	92	51	27
MW-64	19.0 - 24.0	9	3	0	0	0	284	806	1,067	995	1,183	516	500
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0	1,415	1,268
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	0
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	0
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	8	13	0	25	2	102	179	182	222	319	257	295
MW-73	2.0 - 12.0	1,308	1,295	480	588	1,169	234	19	37	190	175	171	16
MW-73I	22.0-27.0								--	--	698	131	96
MW-75	2.0 - 12.0	101	1,667	30	38	0	2,178	435	0	0	765	10	0
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	656	656	3,289
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-78	5.0 - 20.0	191	0	0	0	--	0	36	58	0	37	155	264
MW-79	5.0 - 20.0	0	0	3	0	0	0	675	32	0	623	6	443
MW-80	5.0 - 20.0	568	79	467	11	321	841	677	215	0	640	14	79
MW-81	5.0 - 20.0	0	0	1,306	59	697	547	236	86	0	463	5	126
MW-82	5.0 - 20.0	0	2	72	0	48	33	209	50	0	326	182	522
MW-83	5.0 - 20.0	0	0	0	0	0	0	0	11	7	23	0	242
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	1	7	13	122	45	33	0	0	0	0	0	88
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	0	0	5
MWBS-02D	24.5 - 25.5	0	0	0	0	0	0	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	0	0	0	0	0	0	0	0	0	0	1
OU3MW-02S	3.0 - 13.0	--	0	0	0	0	0	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	0	0	0	0	0	0	0	0	0	0	0

Table 4-12
Summary of Historical Total PAH Groundwater Analytical Results
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Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2009			2010				2011				2012	
		Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	
OU3MW-03S	1.0 - 11.0	--	2	0	0	0	0	0	34	160	17	100	110	
OU3MW-03I	20.0 - 25.0	--	0	0	0	6	0	0	40	57	368	33	13	
OU3MW-04S	1.0 - 11.0	--	19	21	0	0	0	8	69	25	0	0	0	
OU3MW-04I	16.0 - 21.0	--	9	0	0	30	44	0	0	2	24	15	0	
OU3MW-04D	26.0 - 31.0	--	0	0	0	0	0	0	0	0	32	690	297	
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	0	
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	0	
OU3MW-05S	2.0 - 12.0	--	--	0	0	0	0	0	0	0	0	0	0	
OU3MW-05I	15.0 - 20.0	--	--	0	0	0	0	0	6	12	0	0	0	
OU3MW-06	3.0 - 13.0	--	0	0	0	0	10	0	0	3	0	0	0	
OU3MW-07S	3.0 - 13.0	--	--	--	527	36	13	5	0	1	0	0	0	
OU3MW-07I	15.0 - 20.0	--	--	--	0	0	0	0	73	21	0	0	0	
OU3MW-07I2	20.0 - 25.0	--	--	--	0	0	0	0	91	654	695	257	1,020	
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	1,800	
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0	
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	297	449	0	855	0	376	
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	0	0	0	0	0	0	
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	345	0	0	61	3	0	
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	1,453	1,528	1,207	1,765	1,973	1,263	
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	0	2	3	
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	417	240	225	123	0	42	
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	0	0	0	0	30	116	
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	0	0	0	0	0	2	
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	0	0	0	0	0	0	
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	0	0	0	0	0	0	
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	0	0	0	0	0	0	
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	117	55	1,244	
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	785	579	641	
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	377	113	19	
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	9	110	140	
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	
PDMW-01	5.0 - 20.0	0	--	0	0	0	0	0	0	4	0	0	0	
PDMW-02	5.0 - 20.0	3,206	--	--	--	--	--	--	--	--	--	--	--	
PDMW-03	5.0 - 15.0	2,108	--	--	--	--	--	--	--	--	--	--	--	
SV-02	2.0 - 12.0	0	669	0	0	0	770	0	0	0	6	1	1	
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	1,075	133	104	
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	0	0	0	
SV-03	2.0 - 12.0	0	1	0	0	0	0	1	0	0	0	6	11	

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-09S	5.0 - 15.0	--	--	--	--	--	0	99	7	0	99
BBMW-09I	30.0 - 40.0	--	--	--	--	--	0	150	17	0	150
BBMW-09D	62.0 - 72.0	--	--	--	--	--	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	68	3	0	68
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	7	0	0	7
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	252	18	0	252
BBMW-30S	2.0 - 10.0	0	0	--	0	0	0	4	0	0	4
BBMW-30I	14.0 - 19.0	1	5	--	0	0	0	5	1	0	5
BBMW-30D	30.0 - 35.0	0	2	--	0	0	0	2	0	0	2
BBMW-31S	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	0	0	0	0	0	0	12	1	0	12
BBMW-31D	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	0	0	--	0	0	0	3	0	0	3
BBMW-32I	14.0 - 19.0	0	0	--	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	0	0	--	0	0	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	0	69	4	0	69
BW-UST-11	5.0 - 10.0	--	--	--	--	--	0	68	5	0	68
BW-UST-28	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	0	3	0	0	3
GM-02AS	8.91 - 23.91	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	876	0	0	0	0	0	1,285	229	0	1,285
MW-01S	4.0 - 14.0	--	--	--	--	--	0	1	0	0	1
MW-01D	35.0 - 45.0	--	--	--	--	--	0	263	16	0	263
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	0	21,640	2,517	0	21,640
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	0	6,478	278	0	6,478
MW-03	4.94 - 14.94	--	--	--	--	--	0	103	30	0	103
MW-04	5.1 - 15.1	--	--	--	--	--	0	99	9	0	99
MW-08W	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-11W	2.0 - 10.0	8	37	38	3	0	0	861	88	0	861
MW-12W	2.0 - 10.0	47	0	0	7	52	0	47	2	0	47
MW-13W	2.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	3	3	3	3	3
MW-16SR	2.0 - 10.0	--	--	--	--	--	0	38,045	2,885	0	38,045
MW-16I	14.0 - 19.0	--	--	--	--	--	0	57	5	0	57
MW-17W	2.0 - 10.0	--	--	--	--	--	11	11	11	11	11
MW-24D	14.0 - 19.0	--	--	--	--	--	0	1	0	0	1
MW-26D	14.0 - 19.0	--	--	--	--	--	0	3	1	0	3
MW-29S	5.0 - 10.0	--	--	--	--	--	0	516	12	0	516
MW-29D	14.0 - 19.0	--	--	--	--	--	0	2	0	0	2
MW-30W/W-R	2.0 - 9.0	1	0	--	0	0	0	1,300	64	0	1,300
MW-32W/W-R	2.0 - 9.0	3	0	16	0	0	0	1,435	144	0	1,435
MW-34S	2.0 - 10.0	196	120	134	0	0	0	1,604	255	0	1,604

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-34I	18.5 - 19.5	696	8	23	0	7	0	869	126	0	869
MW-34D	27.5 - 28.5	281	82	0	0	11	0	306	27	0	306
MW-34DD	27.5 - 28.5	--	--	0	--	0	0	0	0	0	0
MW-37W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-39W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	0	0	0	0	0	0	1,676	143	0	1,676
MW-46W/W-R	2.0 - 10.0	95	3	1	0	0	0	4,156	385	0	4,156
MW-64	19.0 - 24.0	2,199	2,168	1,134	648	370	0	2,199	237	0	2,199
MW-65	11.0 - 16.0	299	208	201	76	3	0	1,415	84	0	1,415
MW-66S	1.5 - 11.5	0	0	--	0	0	0	1	0	0	1
MW-66D	24.0 - 29.0	0	0	--	0	0	0	2	0	0	2
MW-67S	2.5 - 12.5	--	--	--	--	0	0	0	0	0	0
MW-67D	24 - 29 ft	--	--	--	--	0	0	0	0	0	0
MW-68S	15.0 - 20.0	--	--	--	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	0	0	0	3	0	0	3
MW-70/70S	2.0 - 12.0	243	264	40	1	0	0	1,720	113	0	1,720
MW-73	2.0 - 12.0	183	123	89	31	92	0	1,800	637	0	1,800
MW-73I	22.0-27.0	134	120	130	80	95	80	698	198	80	698
MW-75	2.0 - 12.0	0	395	114	1	0	0	2,890	455	0	2,890
MW-75I	22.0-27.0	469	670	837	230	105	230	3,289	972	105	3,289
MW-76	2.0 - 12.0	0	0	0	0	0	0	142	19	0	142
MW-78	5.0 - 20.0	1	527	476	176	744	0	1,439	275	0	1,439
MW-79	5.0 - 20.0	5	1,206	838	246	894	0	6,015	562	0	6,015
MW-80	5.0 - 20.0	487	229	275	223	121	0	2,500	857	0	2,500
MW-81	5.0 - 20.0	563	850	784	27	107	0	2,700	697	0	2,700
MW-82	5.0 - 20.0	319	0	341	74	74	0	3,090	428	0	3,090
MW-83	5.0 - 20.0	249	5	78	0	6	0	249	45	0	249
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	64	22	0	64
MWBS-02S	5.0 - 15.0	31	2	0	0	0	0	274	46	0	274
MWBS-02I	14.5 - 15.5	5	14	14	0	0	0	696	63	0	696
MWBS-02D	24.5 - 25.5	174	160	3	0	0	0	254	24	0	254
MW-UST1	2.0 - 12.0	--	--	--	--	--	0	979	289	0	979
MW-UST2	2.0 - 12.0	--	--	--	--	--	0	621	281	0	621
MW-UST3	2.0 - 12.0	--	--	--	--	--	0	134	21	0	134
OU3MW-01S	3.0 - 13.0	0	0	0	0	0	0	1	0	0	1
OU3MW-02S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0

Table 4-12
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2012			2013						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU3MW-03S	1.0 - 11.0	35	28	12	19	0	0	160	34	0	160
OU3MW-03I	20.0 - 25.0	28	252	21	0	611	0	368	55	0	611
OU3MW-04S	1.0 - 11.0	1	0	0	0	0	0	69	10	0	69
OU3MW-04I	16.0 - 21.0	0	0	0	0	0	0	44	8	0	44
OU3MW-04D	26.0 - 31.0	134	804	402	0	26	0	804	157	0	804
OU3MW-04D2	31.0 - 36.0	6	195	126	0	1	0	195	65	0	195
OU3MW-04D3	41.0 - 46.0	0	0	0	0	0	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0
OU3MW-05I	15.0 - 20.0	0	3	7	10	156	0	12	3	0	156
OU3MW-06	3.0 - 13.0	0	0	0	0	0	0	10	1	0	10
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	527	45	0	527
OU3MW-07I	15.0 - 20.0	77	1	86	0	0	0	86	20	0	86
OU3MW-07I2	20.0 - 25.0	517	6	5	1	1	0	1,020	250	0	1,020
OU3MW-07I3	25.0 - 30.0	0	3	0	0	3	0	1,800	361	0	1,800
OU3MW-07I4	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0
OU3MW-08S	2.0-12.0	360	206	153	397	28	0	855	309	0	855
OU3MW-08I	25.0-30.0	2	0	--	--	0	0	2	0	0	2
OU3MW-09S	2.0-12.0	0	4	8	0	0	0	345	42	0	345
OU3MW-09I	25.0-30.0	331	259	525	267	283	259	1,973	1,057	259	1,973
OU3MW-09I2	35.0-40.0	2	4	2	2	9	0	4	2	0	9
OU3MW-10S	2.0-12.0	51	16	3	0	0	0	417	112	0	417
OU3MW-10I	25.0-30.0	28	85	79	0	120	0	116	34	0	120
OU3MW-11S	2.0-12.0	0	0	--	--	0	0	2	0	0	2
OU3MW-11I	25.0-30.0	0	0	--	--	0	0	0	0	0	0
OU3MW-12S	2.0-12.0	0	0	--	--	0	0	0	0	0	0
OU3MW-12I	25.0-30.0	0	0	--	--	0	0	0	0	0	0
OU3MW-13S	2.0-12.0	13	268	720	600	662	13	1,244	431	13	1,244
OU3MW-14S	2.0-12.0	660	612	661	413	380	413	785	622	380	785
OU3MW-15S	2.0-12.0	0	277	260	4	12	0	377	150	0	377
OU3MW-16S	2.0-12.0	220	191	120	263	161	9	263	150	9	263
OU3MW-17S	2.0 - 12.0	--	--	--	--	0	0	0	--	0	0
OU3MW-17I	15.0 - 20.0	--	--	--	--	0	0	0	--	0	0
OU3MW-17I2	25.0 - 30.0	--	--	--	--	0	0	0	--	0	0
OU3MW-18I	15.0 - 20.0	--	--	--	--	52	0	0	--	52	52
OU3MW-18I2	25.0 - 30.0	--	--	--	--	3	0	0	--	3	3
PDMW-01	5.0 - 20.0	0	0	--	--	0	0	13,000	515	0	13,000
PDMW-02	5.0 - 20.0	--	--	--	--	--	1,130	5,848	2,421	1,130	5,848
PDMW-03	5.0 - 15.0	--	--	--	--	--	1,619	2,108	1,887	1,619	2,108
SV-02	2.0 - 12.0	0	9	0	0	0	0	770	83	0	770
SV-02I	22.0-27.0	618	626	1,688	386	68	104	1,688	661	68	1,688
SV-02I2	35.0-40.0	5	5	0	0	0	0	5	1	0	5
SV-03	2.0 - 12.0	17	39	8	6	1	0	548	82	0	548

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28I	BBMW-28I	BBMW-28I	BBMW-28I
Start Depth		2	2	2	2	2	10	10	10	10
End Depth		12	12	12	12	12	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/7/2012	10/15/2012	1/29/2013	3/18/2013	5/23/2013	8/7/2012	10/15/2012	1/29/2013	3/18/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
m/p-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28S	BBMW-28I	BBMW-28I	BBMW-28I	BBMW-28I
Start Depth		2	2	2	2	2	10	10	10	10
End Depth		12	12	12	12	12	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/7/2012	10/15/2012	1/29/2013	3/18/2013	5/23/2013	8/7/2012	10/15/2012	1/29/2013	3/18/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-28I	BBMW-29	BBMW-29	BBMW-29	BBMW-29	BBMW-29	BBMW-30S	DUP-23 Q3	BBMW-30S
Start Depth		10	2	2	2	2	2	2	2	2
End Depth		20	9	9	9	9	9	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/23/2013	7/17/2012	10/16/2012	1/31/2013	3/7/2013	4/10/2013	9/19/2012	9/19/2012	3/18/2013
Parent Sample Code								BBMW-30S		
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1	1	1 U	1 U	1 U	1 U
Toluene	5	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	5	1 U	1 U	1 U	1 U	1 U	1	1 U
o-Xylene	5	NA	2	NA	NA	NA	NA	1 U	1 U	NA
m/p-Xylene	5	NA	5	NA	NA	NA	NA	1 U	1 U	NA
Total Xylene	5	1 U	NA	1 U	1 U	1 U	1 U	NA	NA	1 U
Total BTEX (ND=0)	NE	ND	15	ND	1	1	ND	ND	1	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Acetone	50*	NA	1 J	NA	NA	NA	NA	5 U	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	500 U	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	500 U	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA

Table 4-13
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BMW-28I	BMW-29	BMW-29	BMW-29	BMW-29	BMW-29	BMW-30S	DUP-23 Q3	BMW-30S
Start Depth		10	2	2	2	2	2	2	2	2
End Depth		20	9	9	9	9	9	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/23/2013	7/17/2012	10/16/2012	1/31/2013	3/7/2013	4/10/2013	9/19/2012	9/19/2012	3/18/2013
Parent Sample Code									BMW-30S	
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	5 U	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	5 U	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	2 U	2 U	NA
Naphthalene	10*	NA	2	NA	NA	NA	NA	2	2	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	500 U	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	10 U	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	2	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-30S	BBMW-30I	BBMW-30I	BBMW-30I	BBMW-30D	BBMW-30D	BBMW-30D	BBMW-31S	BBMW-31S
Start Depth		2	14	14	14	30	30	30	2	2
End Depth		10	19	19	19	35	35	35	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/10/2013	9/19/2012	3/11/2013	5/10/2013	9/19/2012	3/11/2013	5/10/2013	8/30/2012	10/15/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	1 U	NA	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	2	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Acetone	50*	NA	5 U	NA	NA	5 U	NA	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	500 U	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	500 U	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-30S	BBMW-30I	BBMW-30I	BBMW-30I	BBMW-30D	BBMW-30D	BBMW-30D	BBMW-31S	BBMW-31S
Start Depth		2	14	14	14	30	30	30	2	2
End Depth		10	19	19	19	35	35	35	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/10/2013	9/19/2012	3/11/2013	5/10/2013	9/19/2012	3/11/2013	5/10/2013	8/30/2012	10/15/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
2-Hexanone	50*	NA	5 U	NA	NA	5 U	NA	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Isopropyl benzene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	5 U	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	5 U	NA	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	2 U	NA	NA	2 U	NA
Naphthalene	10*	NA	3	NA	NA	2	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	500 U	NA	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	2 J	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	5	ND	ND	2	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-31S	DUP-02 Q1 2013	BBMW-31S	BBMW-31S	BBMW-31I	BBMW-31I	BBMW-31I	BBMW-31I	BBMW-31I
Start Depth		2	2	2	2	14	14	14	14	14
End Depth		10	10	10	10	19	19	19	19	19
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/9/2013	1/9/2013	3/7/2013	5/10/2013	8/15/2012	10/15/2012	1/9/2013	3/7/2013	5/10/2013
Parent Sample Code		BBMW-31S								
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-31S	DUP-02 Q1 2013	BBMW-31S	BBMW-31S	BBMW-31I	BBMW-31I	BBMW-31I	BBMW-31I	BBMW-31I
Start Depth		2	2	2	2	14	14	14	14	14
End Depth		10	10	10	10	19	19	19	19	19
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/9/2013	1/9/2013	3/7/2013	5/10/2013	8/15/2012	10/15/2012	1/9/2013	3/7/2013	5/10/2013
Parent Sample Code			BBMW-31S							
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		BBMW-31D	BBMW-31D	BBMW-31D	BBMW-31D	BBMW-31D	BBMW-32S	BBMW-32S	BBMW-32S	BBMW-32I
Start Depth		30	30	30	30	30	2	2	2	14
End Depth		35	35	35	35	35	10	10	10	19
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/15/2012	10/15/2012	1/9/2013	3/6/2013	5/10/2013	8/8/2012	3/8/2013	4/11/2013	8/8/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
m/p-Xylene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Total Xylene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Acetone	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	5 U
Acrylonitrile	5	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		BBMW-31D	BBMW-31D	BBMW-31D	BBMW-31D	BBMW-31D	BBMW-32S	BBMW-32S	BBMW-32S	BBMW-32I
Start Depth		30	30	30	30	30	2	2	2	14
End Depth		35	35	35	35	35	10	10	10	19
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/15/2012	10/15/2012	1/9/2013	3/6/2013	5/10/2013	8/8/2012	3/8/2013	4/11/2013	8/8/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
2-Hexanone	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Isopropyl benzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	5 U	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	5 U	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	NA	2 U	NA	NA	2 U
Naphthalene	10*	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	500 U	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	10 U	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	NA	1 U	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		BBMW-32I	BBMW-32I	BBMW-32D	DUP-07 Q3	BBMW-32D	BBMW-32D	BBMW-33	BBMW-33	BBMW-33
Start Depth		14	14	30	30	30	30	7	7	7
End Depth		19	19	35	35	35	35	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	4/11/2013	8/8/2012	8/8/2012	3/12/2013	4/11/2013	8/14/2012	10/16/2012	2/1/2013
Parent Sample Code					BBMW-32D					
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Total Xylene	5	1 U	1 U	NA	NA	1 U	1 U	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	5 U	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	500 U	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	500 U	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA

Table 4-13
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		BMW-32I	BMW-32I	BMW-32D	DUP-07 Q3	BMW-32D	BMW-32D	BMW-33	BMW-33	BMW-33
Start Depth		14	14	30	30	30	30	7	7	7
End Depth		19	19	35	35	35	35	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	4/11/2013	8/8/2012	8/8/2012	3/12/2013	4/11/2013	8/14/2012	10/16/2012	2/1/2013
Parent Sample Code				BMW-32D						
Hexachlorobutadiene	0.5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	5 U	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	5 U	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	1 J	1 J	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	5 U	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	2 U	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	500 U	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	1 U	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.
Sample Name		BBMW-33	BBMW-33	IO-10	IO-10	IO-10	IO-10	IO-10	IO-10	IO-10
Start Depth		7	7	6	6	6	6	6	6	6
End Depth		12	12	16	16	16	16	16	16	16
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	5/22/2013	7/17/2012	8/7/2012	9/7/2012	10/5/2012	11/12/2012	12/5/2012	1/8/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	10 U	10 U	1 U	10 U	10 U	1 U
Toluene	5	1 U	1 U	1 U	10 U	10 U	1 U	10 U	10 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	10 U	10 U	1 U	140	10 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	NA	10 U	10 U	1 U	380	10 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	520	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	3 J	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	
Sample Name		BBMW-33	BBMW-33	IO-10	IO-10	IO-10	IO-10	IO-10	IO-10	IO-10	
Start Depth		7	7	6	6	6	6	6	6	6	6
End Depth		12	12	16	16	16	16	16	16	16	16
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	5/22/2013	7/17/2012	8/7/2012	9/7/2012	10/5/2012	11/12/2012	12/5/2012	1/8/2013	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	NA	NA	
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	50*	NA	NA	4 J	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Anthracene	50*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Chrysene	0.002*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Fluoranthene	50*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Fluorene	50*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Naphthalene	10*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Phenanthrene	50*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Pyrene	50*	10 U	10 U	10 U	NA	NA	10 U	NA	NA	10 U	
Total PAH (17) (ND=0)	NE	ND	ND	ND	NA	NA	ND	NA	NA	ND	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
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Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	Red. Val.	No Val
Sample Name		IO-10	IO-10	IO-10	IO-10	IO-10	MW-11W	MW-11W	MW-11W	MW-11W
Start Depth		6	6	6	6	6	2	2	2	2
End Depth		16	16	16	16	16	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/18/2013	3/15/2013	4/4/2013	5/3/2013	6/6/2013	7/17/2012	9/12/2012	10/8/2012	11/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	10 U	1 U	1 U	1 U	1 U	120	59	44	24
Toluene	5	10 U	1 U	1 U	1 U	1 U	4	10 U	1	10 U
Ethylbenzene	5	10 U	1 U	1 U	1 U	1 U	420 D	79	23	10 U
o-Xylene	5	NA	NA	NA	NA	NA	250 D	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	740 D	NA	NA	NA
Total Xylene	5	10 U	1 U	1 U	1 U	1 U	NA	420	360	210
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	1534	558	428	234
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	1 J	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA

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Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	Red. Val.	No Val
Sample Name		IO-10	IO-10	IO-10	IO-10	IO-10	MW-11W	MW-11W	MW-11W	MW-11W
Start Depth		6	6	6	6	6	2	2	2	2
End Depth		16	16	16	16	16	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/18/2013	3/15/2013	4/4/2013	5/3/2013	6/6/2013	7/17/2012	9/12/2012	10/8/2012	11/14/2012
Parent Sample Code										
Hexachlorobutadiene		0.5	NA	NA	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	12	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	62	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	3	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	43	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	32	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Acenaphthylene	NE	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Anthracene	50*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Benzo(a)anthracene	0.002*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Benzo(g,h,i)perylene	NE	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Benzo(a)pyrene	ND	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Chrysene	0.002*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Dibenz(a,h)anthracene	NE	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Fluoranthene	50*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Fluorene	50*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
2-Methylnaphthalene	NE	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Naphthalene	10*	NA	10 U	NA	NA	10 U	37	NA	38	NA
Phenanthrene	50*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Pyrene	50*	NA	10 U	NA	NA	10 U	10 U	NA	10 U	NA
Total PAH (17) (ND=0)	NE	NA	ND	NA	NA	ND	37	NA	38	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-12W	DUP-04 Q3
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/5/2012	1/8/2013	2/6/2013	3/7/2013	4/8/2013	5/22/2013	6/11/2013	7/19/2012	7/19/2012
Parent Sample Code									MW-12W	
BTEX (µg/L)										
Benzene	1	13	4.1	10 U	1 U	1 U	1	1 U	1 U	1 U
Toluene	5	10 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	10 U	1 U	10 U	1 U	1 U	1 U	1 U	5	1
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	7	4
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	6	3
Total Xylene	5	190	28	10 U	2	1 U	3	2	NA	NA
Total BTEX (ND=0)	NE	203	32.1	ND	2	ND	4	2	18	8
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	500 U	500 U
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	500 U	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U

Table 4-13
Summary of Expanded Groundwater Analytical Results
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Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-11W	MW-12W	DUP-04 Q3
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/5/2012	1/8/2013	2/6/2013	3/7/2013	4/8/2013	5/22/2013	6/11/2013	7/19/2012	7/19/2012
Parent Sample Code										MW-12W
Hexachlorobutadiene		0.5	NA	NA	NA	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	1	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	18	2
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	500 U	500 U
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Styrene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	6	2
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	4	1
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Acenaphthylene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Anthracene	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzo(a)anthracene	0.002*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzo(a)pyrene	ND	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Chrysene	0.002*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Fluoranthene	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Fluorene	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
2-Methylnaphthalene	NE	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Naphthalene	10*	NA	11	NA	3 J	NA	10 U	NA	10 U	10 U
Phenanthrene	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Pyrene	50*	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	11	NA	3	NA	ND	NA	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-13W	MW-30WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	9
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/8/2012	11/7/2012	2/1/2013	3/7/2013	4/3/2013	5/9/2013	6/5/2013	5/7/2013	7/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
Toluene	5	1 U	10 U	6	3	3	17	8	10 U	1 U
Ethylbenzene	5	1 U	10 U	2	1 U	1 U	1	1	10 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Total Xylene	5	1 U	10 U	22	12	7	62	43	10 U	NA
Total BTEX (ND=0)	NE	ND	ND	30	15	10	80	52	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-12W	MW-13W	MW-30WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	9
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/8/2012	11/7/2012	2/1/2013	3/7/2013	4/3/2013	5/9/2013	6/5/2013	5/7/2013	7/17/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	6 J
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Acenaphthylene	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Anthracene	50*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Benzo(a)anthracene	0.002*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Benzo(a)pyrene	ND	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Chrysene	0.002*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Fluoranthene	50*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Fluorene	50*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
2-Methylnaphthalene	NE	10 U	NA	10 U	10 U	NA	1 J	NA	NA	10 U
Naphthalene	10*	10 U	NA	19	7 J	NA	51	NA	10 U	10 U
Phenanthrene	50*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Pyrene	50*	10 U	NA	10 U	10 U	NA	10 U	NA	NA	10 U
Total PAH (17) (ND=0)	NE	ND	NA	19	7	NA	52	NA	NA	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val
Sample Name		MW-30WR	MW-30WR	MW-32WR	MW-32WR	MW-32WR	MW-32WR	MW-32WR	MW-34S	MW-34S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		9	9	9	9	9	9	9	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/14/2013	4/5/2013	7/17/2012	10/16/2012	2/1/2013	3/14/2013	4/5/2013	7/19/2012	8/2/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	7	24	12	1 U	1 U	14	23
Toluene	5	1 U	1 U	1 U	3	1 U	1 U	1 U	3	10 U
Ethylbenzene	5	1 U	1 U	1	53	1 U	1 U	1 U	100	170
o-Xylene	5	NA	NA	2	NA	NA	NA	NA	74	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	36	NA
Total Xylene	5	1 U	1 U	NA	76	19	2	3	NA	240
Total BTEX (ND=0)	NE	ND	ND	10	156	31	2	3	227	433
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	4 J	NA	NA	NA	NA	2 J	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA

Table 4-13
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val
Sample Name		MW-30WR	MW-30WR	MW-32WR	MW-32WR	MW-32WR	MW-32WR	MW-32WR	MW-34S	MW-34S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		9	9	9	9	9	9	9	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/14/2013	4/5/2013	7/17/2012	10/16/2012	2/1/2013	3/14/2013	4/5/2013	7/19/2012	8/2/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	9	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	170	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	6	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	38	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	40	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	NA
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J	NA
Naphthalene	10*	10 U	10 U	10 U	16	12	10 U	10 U	110 D	NA
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
Total PAH (17) (ND=0)	NE	ND	ND	ND	16	12	ND	ND	120	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/6/2012	10/3/2012	11/9/2012	12/6/2012	1/7/2013	2/7/2013	3/12/2013	4/4/2013	5/23/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	10 U	3	10 U	10 U	1 U	10 U	1 U	1 U	1 U
Toluene	5	10 U	2	10 U	10 U	1.1	10 U	1 U	1 U	1 U
Ethylbenzene	5	35	100	10 U	12	5.4	10 U	1	2	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	110	21	10 U	10 U	1.9	10 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	145	126	ND	12	8.4	ND	1	2	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/6/2012	10/3/2012	11/9/2012	12/6/2012	1/7/2013	2/7/2013	3/12/2013	4/4/2013	5/23/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	2 J	NA	NA	10 U	NA	10 U	NA	10 U
Acenaphthylene	NE	NA	1 J	NA	NA	10 U	NA	10 U	NA	10 U
Anthracene	50*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Benzo(a)anthracene	0.002*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Benzo(a)pyrene	ND	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Chrysene	0.002*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Fluoranthene	50*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Fluorene	50*	NA	1 J	NA	NA	10 U	NA	10 U	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
2-Methylnaphthalene	NE	NA	7 J	NA	NA	10 U	NA	10 U	NA	10 U
Naphthalene	10*	NA	120 D	NA	NA	10 U	NA	10 U	NA	10 U
Phenanthrene	50*	NA	3 J	NA	NA	10 U	NA	10 U	NA	10 U
Pyrene	50*	NA	10 U	NA	NA	10 U	NA	10 U	NA	10 U
Total PAH (17) (ND=0)	NE	NA	134	NA	NA	ND	NA	ND	NA	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		MW-34S	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I
Start Depth		2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
End Depth		10	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/4/2013	7/19/2012	8/2/2012	9/6/2012	10/3/2012	11/9/2012	12/6/2012	1/7/2013	2/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	10 U	10 U	1 U	10 U	22	6.8	10 U
Toluene	5	1 U	10	10 U	10 U	4	12	30	11	10 U
Ethylbenzene	5	1 U	22	30	16	12	420 D	2400 D	680 D	180
o-Xylene	5	NA	17	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	31	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	NA	63	37	42	790 D	4500 D	1100 D	400
Total BTEX (ND=0)	NE	ND	80	93	53	58	1222	6952	1797.8	580
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	2 J	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	3 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		MW-34S	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I	MW-34I
Start Depth		2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
End Depth		10	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/4/2013	7/19/2012	8/2/2012	9/6/2012	10/3/2012	11/9/2012	12/6/2012	1/7/2013	2/7/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	1	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	23	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	8	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	8	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Acenaphthylene	NE	NA	10 U	NA	NA	1 J	NA	NA	10 U	NA
Anthracene	50*	NA	10 U	NA	NA	1 J	NA	NA	10 U	NA
Benzo(a)anthracene	0.002*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(g,h,i)perylene	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(a)pyrene	ND	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Chrysene	0.002*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Dibenz(a,h)anthracene	NE	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
Fluoranthene	50*	NA	10 U	NA	NA	1 J	NA	NA	10 U	NA
Fluorene	50*	NA	10 U	NA	NA	1 J	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA
2-Methylnaphthalene	NE	NA	1 J	NA	NA	3 J	NA	NA	8 J	NA
Naphthalene	10*	NA	7 J	NA	NA	10	NA	NA	180 D	NA
Phenanthrene	50*	NA	10 U	NA	NA	5 J	NA	NA	10 U	NA
Pyrene	50*	NA	10 U	NA	NA	1 J	NA	NA	10 U	NA
Total PAH (17) (ND=0)	NE	NA	8	NA	NA	23	NA	NA	188	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		MW-34I	MW-34I	MW-34I	MW-34I	MW-34D	MW-34D	MW-34D	MW-34D	DUP-03 Q4
Start Depth		18.5	18.5	18.5	18.5	27.5	27.5	27.5	27.5	27.5
End Depth		19.5	19.5	19.5	19.5	28.5	28.5	28.5	28.5	28.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/12/2013	4/4/2013	5/6/2013	6/4/2013	7/19/2012	8/2/2012	9/6/2012	10/16/2012	10/16/2012
Parent Sample Code										MW-34D
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	8	10 U	10 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	3	10 U	10 U	1 U	1 U
Ethylbenzene	5	5	3	1.7	1 U	140	80	10 U	1	2
o-Xylene	5	NA	NA	NA	NA	35	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	17	NA	NA	NA	NA
Total Xylene	5	33	34	27	18	NA	32	10 U	1 U	1
Total BTEX (ND=0)	NE	38	37	28.7	18	203	112	ND	1	3
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	2 J	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		MW-34I	MW-34I	MW-34I	MW-34I	MW-34D	MW-34D	MW-34D	MW-34D	DUP-03 Q4
Start Depth		18.5	18.5	18.5	18.5	27.5	27.5	27.5	27.5	27.5
End Depth		19.5	19.5	19.5	19.5	28.5	28.5	28.5	28.5	28.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/12/2013	4/4/2013	5/6/2013	6/4/2013	7/19/2012	8/2/2012	9/6/2012	10/16/2012	10/16/2012
Parent Sample Code										MW-34D
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	17	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	110	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	10	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	6	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	46	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Acenaphthylene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Anthracene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Chrysene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Fluoranthene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Fluorene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
2-Methylnaphthalene	NE	10 U	NA	NA	10 U	6 J	NA	NA	10 U	10 U
Naphthalene	10*	10 U	NA	NA	7 J	76	NA	NA	10 U	10 U
Phenanthrene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Pyrene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	NA	NA	7	82	NA	NA	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	No Val	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34DD	MW-34DD
Start Depth		27.5	27.5	27.5	27.5	27.5	27.5	27.5	36	36
End Depth		28.5	28.5	28.5	28.5	28.5	28.5	28.5	41	41
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/9/2012	12/6/2012	1/7/2013	3/12/2013	4/4/2013	5/6/2013	6/4/2013	12/28/2012	5/23/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	10 U	10 U	1 U	1 U	1 U	1.1	1	1 U	1 U
Toluene	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	10 U	10 U	1 U	1 U	1 U	2.1	3	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	10 U	10 U	1 U	2	3	4.6	9	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	2	3	7.8	13	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	No Val	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34D	MW-34DD	MW-34DD
Start Depth		27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	36	36
End Depth		28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	41	41
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		11/9/2012	12/6/2012	1/7/2013	3/12/2013	4/4/2013	5/6/2013	6/4/2013	12/28/2012	5/23/2013	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Acenaphthylene	NE	NA	NA	10 U	10 U	NA	NA	1 J	10 U	10 U	
Anthracene	50*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Benzo(a)pyrene	ND	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Chrysene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Fluoranthene	50*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Fluorene	50*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
2-Methylnaphthalene	NE	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Naphthalene	10*	NA	NA	10 U	10 U	NA	NA	10	10 U	10 U	
Phenanthrene	50*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Pyrene	50*	NA	NA	10 U	10 U	NA	NA	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	NA	NA	ND	ND	NA	NA	11	ND	ND	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-39W	MW-39W
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/18/2012	12/11/2012	1/31/2013	3/18/2013	4/8/2013	5/10/2013	6/6/2013	7/18/2012	12/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
m/p-Xylene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Total Xylene	5	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Acetone	50*	5 U	NA	NA	NA	NA	NA	NA	5 U	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Bromoform	50*	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Bromomethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Chloroethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Chloroform	7	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Chloromethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	NA	NA	500 U	NA
Ethanol	NE	500 U	NA	NA	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-37W	MW-39W	MW-39W
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/18/2012	12/11/2012	1/31/2013	3/18/2013	4/8/2013	5/10/2013	6/6/2013	7/18/2012	12/14/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
2-Hexanone	50*	5 U	NA	NA	NA	NA	NA	NA	5 U	NA
Iodomethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Isopropyl benzene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	1 J	NA	NA	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	NA	NA	5 U	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	NA	NA	2 U	NA
Naphthalene	10*	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	NA	NA	500 U	NA
n-Propylbenzene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Styrene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	NA	NA	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-39W	MW-39W	MW-39W	MW-45W	MW-45W	MW-45W	MW-45W	MW-45W	MW-46WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/31/2013	3/7/2013	4/10/2013	7/12/2012	10/16/2012	1/31/2013	3/14/2013	6/14/2013	7/17/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8
o-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	9
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U

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 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-39W	MW-39W	MW-39W	MW-45W	MW-45W	MW-45W	MW-45W	MW-45W	MW-46WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/31/2013	3/7/2013	4/10/2013	7/12/2012	10/16/2012	1/31/2013	3/14/2013	6/14/2013	7/17/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	1 U	NA	NA	NA	NA	5
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	NA	3 J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	3
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	No Val	No Val	Red. Val.	No Val	Val	Red. Val.	Val	Red. Val.
Sample Name		DUP-03 Q3	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/17/2012	8/7/2012	9/7/2012	10/16/2012	11/14/2012	2/26/2013	3/18/2013	4/25/2013	5/22/2013
Parent Sample Code		MW-46WR								
BTEX (µg/L)										
Benzene	1	1 U	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	8	10 U	10 U	3	10 U	1 U	1 U	1 U	1 U
o-Xylene	5	1	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	1	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	NA	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	10	ND	ND	3	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	No Val	No Val	Red. Val.	No Val	Val	Red. Val.	Val	Red. Val.
Sample Name		DUP-03 Q3	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR	MW-46WR
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		10	10	10	10	10	10	10	10	10
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/17/2012	8/7/2012	9/7/2012	10/16/2012	11/14/2012	2/26/2013	3/18/2013	4/25/2013	5/22/2013
Parent Sample Code		MW-46WR								
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	6	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	3 J	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	1	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Naphthalene	10*	2 J	NA	NA	1 J	NA	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	2	NA	NA	1	NA	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		MW-64	MW-64	MW-64	MW-64	MW-65	DUP-01Q3	MW-65	MW-65	MW-65
Start Depth		19	19	19	19	11	11	11	11	11
End Depth		24	24	24	24	16	16	16	16	16
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/12/2012	10/11/2012	1/14/2013	5/20/2013	7/13/2012	7/13/2012	10/11/2012	1/30/2013	5/14/2013
Parent Sample Code						MW-65				
BTEX (µg/L)										
Benzene	1	62	19	7	3	1 U	1 U	1 U	1 U	1 U
Toluene	5	2300 D	330 D	160	43	17	16	8	9	1 U
Ethylbenzene	5	8400 D	2400 D	980 D	990 D	160	170	100	120	2
o-Xylene	5	4200 D	NA	NA	NA	240 D	210 D	NA	NA	NA
m/p-Xylene	5	11000 D	NA	NA	NA	140	150	NA	NA	NA
Total Xylene	5	NA	3800 D	1300 D	870 D	NA	NA	220	180	2
Total BTEX (ND=0)	NE	25962	6549	2447	1906	557	546	328	309	4
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Acetone	50*	2 J	NA	NA	NA	5 U	5 U	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chlorobenzene	5	7	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
Cyclohexane	NE	74	NA	NA	NA	6 J	4 J	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	2 J	2 J	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		MW-64	MW-64	MW-64	MW-64	MW-65	DUP-01Q3	MW-65	MW-65	MW-65
Start Depth		19	19	19	19	11	11	11	11	11
End Depth		24	24	24	24	16	16	16	16	16
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/12/2012	10/11/2012	1/14/2013	5/20/2013	7/13/2012	7/13/2012	10/11/2012	1/30/2013	5/14/2013
Parent Sample Code							MW-65			
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
n-Hexane (C6)	NE	7 J	NA	NA	NA	3 J	2 J	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Isopropyl benzene	5	190	NA	NA	NA	44	45	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	5 U	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	2 U	2 U	NA	NA	NA
Naphthalene	10*	3100 DB	NA	NA	NA	360 D	340 D	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	500 U	NA	NA	NA
n-Propylbenzene	5	120	NA	NA	NA	30	31	NA	NA	NA
Styrene	5	140	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	1800 D	NA	NA	NA	110	120	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1400 D	NA	NA	NA	230	240	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	2 J	1 J	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	3 J	2 J	5 J	3 J	10 U	10 U	1 J	10 U	10 U
Acenaphthylene	NE	8 J	4 J	3 J	1 J	2 J	2 J	4 J	1 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	2 J	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	55	28	68	16	16	17	15	1 J	10 U
Naphthalene	10*	2100 D	1100 D	570 D	350 D	190 D	200 D	180 D	74	3 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	2168	1134	648	370	208	219	201	76	3
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		DUP-10 Q2	MW-66S	MW-66S	MW-66S	MW-66D	MW-66D	MW-66D	MW-67S	MW-67D
Start Depth		11	1.5	1.5	1.5	24	24	24	2.5	24
End Depth		16	11.5	11.5	11.5	29	29	29	12.5	29
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/14/2013	8/9/2012	3/7/2013	4/11/2013	8/9/2012	3/7/2013	4/11/2013	5/13/2013	5/13/2013
Parent Sample Code		MW-65								
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
m/p-Xylene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Total Xylene	5	2	NA	1 U	1 U	NA	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	3	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	5 U	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		DUP-10 Q2	MW-66S	MW-66S	MW-66S	MW-66D	MW-66D	MW-66D	MW-67S	MW-67D
Start Depth		11	1.5	1.5	1.5	24	24	24	2.5	24
End Depth		16	11.5	11.5	11.5	29	29	29	12.5	29
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/14/2013	8/9/2012	3/7/2013	4/11/2013	8/9/2012	3/7/2013	4/11/2013	5/13/2013	5/13/2013
Parent Sample Code		MW-65								
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	1 U	NA	NA	1 U	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	2	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		MW-68S	MW-68S	MW-68D	MW-68D	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S
Start Depth		15	15	25	25	2	2	2	2	2
End Depth		20	20	30	30	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/6/2013	6/6/2013	3/6/2013	6/5/2013	7/19/2012	8/7/2012	9/7/2012	10/5/2012	11/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	20	2	67	21	10 U	1 U	10 U
Toluene	5	1 U	1 U	1 U	1 U	8	10 U	10 U	1	10 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	680 D	340 D	78	24	12
o-Xylene	5	NA	NA	NA	NA	440 D	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	540 D	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U	1 U	NA	330	41	13	10 U
Total BTEX (ND=0)	NE	ND	ND	20	2	1735	691	119	38	12
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	3	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	6 J	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		MW-68S	MW-68S	MW-68D	MW-68D	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S
Start Depth		15	15	25	25	2	2	2	2	2
End Depth		20	20	30	30	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/6/2013	6/6/2013	3/6/2013	6/5/2013	7/19/2012	8/7/2012	9/7/2012	10/5/2012	11/14/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	38	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	350 D	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	17	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	190 D	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	230	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	14	NA	NA	3 J	NA
Naphthalene	10*	10 U	10 U	10 U	10 U	250 D	NA	NA	37	NA
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	NA
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	264	NA	NA	40	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-73	MW-73
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/5/2012	1/4/2013	2/18/2013	3/15/2013	4/4/2013	5/3/2013	6/6/2013	7/13/2012	10/4/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	10 U	1 U	10 U	1 U	1 U	1 U	1 U	360 D	510 D
Toluene	5	10 U	1 U	10 U	1 U	1 U	1 U	1 U	8	8
Ethylbenzene	5	10 U	1 U	10 U	3	2	1.4	1 U	200 D	190
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	200 D	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	360	NA
Total Xylene	5	10 U	1 U	10 U	1	1 U	1.3	1 U	NA	630 D
Total BTEX (ND=0)	NE	ND	ND	ND	4	2	2.7	ND	1128	1338
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-70/70S	MW-73	MW-73
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/5/2012	1/4/2013	2/18/2013	3/15/2013	4/4/2013	5/3/2013	6/6/2013	7/13/2012	10/4/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	1 J	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	19	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	240 D	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	8	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	64	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	48	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	10 U	NA	NA	10 U	3 J	1 J
Acenaphthylene	NE	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Anthracene	50*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Benzo(a)pyrene	ND	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Chrysene	0.002*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Fluoranthene	50*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Fluorene	50*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
2-Methylnaphthalene	NE	NA	10 U	NA	10 U	NA	NA	10 U	10	8 J
Naphthalene	10*	NA	10 U	NA	1 J	NA	NA	10 U	110 D	80 D
Phenanthrene	50*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Pyrene	50*	NA	10 U	NA	10 U	NA	NA	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	ND	NA	1	NA	NA	ND	123	89
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-73	MW-73	MW-73I	MW-73I	MW-73I	DUP-01 Q1	MW-73I	MW-75	MW-75
Start Depth		2	2	22	22	22	22	22	2	2
End Depth		12	12	27	27	27	27	27	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/7/2013	6/10/2013	7/13/2012	10/4/2012	1/7/2013	1/7/2013	6/10/2013	7/11/2012	10/4/2012
Parent Sample Code						MW-73I				
BTEX (µg/L)										
Benzene	1	640 D	710 D	55	78	84	78	45	160	160
Toluene	5	39	42	190	170	13	12	34	2100 D	1100 D
Ethylbenzene	5	180 D	400 D	490 D	360 D	630 D	440 D	340 D	2000 D	960 D
o-Xylene	5	NA	NA	200 D	NA	NA	NA	NA	830 D	NA
m/p-Xylene	5	NA	NA	390	NA	NA	NA	NA	1900 D	NA
Total Xylene	5	250	670 D	NA	490	420	400	300	NA	1200 D
Total BTEX (ND=0)	NE	1109	1822	1325	1098	1147	930	719	6990	3420
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	7	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	4 J	NA	NA	NA	NA	2 J	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-73	MW-73	MW-73I	MW-73I	MW-73I	DUP-01 Q1	MW-73I	MW-75	MW-75
Start Depth		2	2	22	22	22	22	22	2	2
End Depth		12	12	27	27	27	27	27	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/7/2013	6/10/2013	7/13/2012	10/4/2012	1/7/2013	1/7/2013	6/10/2013	7/11/2012	10/4/2012
Parent Sample Code							MW-73I			
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	NA	2 J	NA	NA	NA	10 U	NA	
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	NA	18	NA	NA	NA	29	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	NA	180	NA	NA	NA	470 DB	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	NA	12	NA	NA	NA	18	NA	
Styrene	5	NA	NA	1 U	NA	NA	NA	34	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	NA	120	NA	NA	NA	180	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	72	NA	NA	NA	140	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	1 J	4 J	10	9 J	5 J	3 J	3 J	4 J	
Naphthalene	10*	30	86 D	110 D	120 D	75	41	92 D	380 D	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	31	92	120	130	80	44	95	395	
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-75	MW-75	MW-75I	MW-75I	MW-75I	MW-75I	MW-76	MW-76	DUP-02 Q4
Start Depth		2	2	22	22	22	22	2	2	2
End Depth		12	12	27	27	27	27	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/8/2013	4/29/2013	7/11/2012	10/4/2012	1/8/2013	4/29/2013	7/16/2012	10/12/2012	10/12/2012
Parent Sample Code										MW-76
BTEX (µg/L)										
Benzene	1	1.5	10	2	2	1	1	1 U	1 U	1 U
Toluene	5	1 U	2	180	130	11	36	1 U	1 U	1 U
Ethylbenzene	5	5.8	86	690 D	700 D	130	210	1 U	1 U	1 U
o-Xylene	5	NA	NA	480 D	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	660 D	NA	NA	NA	1 U	NA	NA
Total Xylene	5	17	75	NA	820 D	350	270	NA	1 U	1 U
Total BTEX (ND=0)	NE	24.3	173	2012	1652	492	517	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	2 J	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	18	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	8 J	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	4 J	NA	NA	NA	10 U	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-75	MW-75	MW-75I	MW-75I	MW-75I	MW-75I	MW-76	MW-76	DUP-02 Q4
Start Depth		2	2	22	22	22	22	2	2	2
End Depth		12	12	27	27	27	27	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/8/2013	4/29/2013	7/11/2012	10/4/2012	1/8/2013	4/29/2013	7/16/2012	10/12/2012	10/12/2012
Parent Sample Code										MW-76
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	4 J	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	64	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	13	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	810 DB	NA	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	48	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	58	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	330 D	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	300	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	2 J	5 J	1 J	1 J	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	8 J	11	5 J	3 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	1 J	7 J	2 J	1 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	59	150 DJ	20	4 J	10 U	10 U	10 U
Naphthalene	10*	1 J	10 U	600 D	660 D	200 D	95	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	2 J	2 J	1 J	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	1	ND	670	837	230	105	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-76	MW-76	MW-78	MW-78	MW-78	MW-78	MW-79	MW-79	DUP-01 Q4
Start Depth		2	2	5	5	5	5	5	5	5
End Depth		12	12	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/7/2013	5/14/2013	7/19/2012	10/5/2012	1/14/2013	6/10/2013	7/19/2012	10/5/2012	10/5/2012
Parent Sample Code										MW-79
BTEX (µg/L)										
Benzene	1	1 U	1 U	1200 D	400 D	130	690 D	900 D	690 D	440 D
Toluene	5	1 U	1 U	7900 D	3200 D	480 D	5700 D	2200 D	650 D	330 D
Ethylbenzene	5	1 U	1 U	5600 D	2000 D	590 D	4500 D	4200 D	2600 D	2700 D
o-Xylene	5	NA	NA	3300 D	NA	NA	NA	2300 D	NA	NA
m/p-Xylene	5	NA	NA	7300 D	NA	NA	NA	5300 D	NA	NA
Total Xylene	5	1 U	1 U	NA	3300 D	830 D	7400 D	NA	4100 D	4400 D
Total BTEX (ND=0)	NE	ND	ND	25300	8900	2030	18290	14900	8040	7870
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	4 J	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	8 J	NA	NA	NA	44	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	5 J	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-76	MW-76	MW-78	MW-78	MW-78	MW-78	MW-79	MW-79	DUP-01 Q4
Start Depth		2	2	5	5	5	5	5	5	5
End Depth		12	12	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/7/2013	5/14/2013	7/19/2012	10/5/2012	1/14/2013	6/10/2013	7/19/2012	10/5/2012	10/5/2012
Parent Sample Code										MW-79
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	3 J	NA	NA	NA	33	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	76	NA	NA	NA	120	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	3200 D	NA	NA	NA	3400 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	34	NA	NA	NA	62	NA	NA
Styrene	5	NA	NA	120	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1100 D	NA	NA	NA	1000 D	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	340	NA	NA	NA	340	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	2 J	3 J	1 J	3 J	3 J	5 J	3 J
Acenaphthylene	NE	10 U	10 U	1 J	2 J	1 J	3 J	3 J	3 J	2 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	34	31	14	47	100 DJ	110 DJ	80
Naphthalene	10*	10 U	10 U	490 D	440 D	160 D	690 D	1100 D	720 D	590 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	527	476	176	744	1206	838	675
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-79	MW-79	MW-80	MW-80	MW-80	MW-80	MW-81	MW-81	MW-81
Start Depth		5	5	5	5	5	35	5	5	5
End Depth		20	20	20	20	20	45	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/14/2013	6/10/2013	7/17/2012	10/10/2012	1/14/2013	5/20/2013	7/12/2012	10/5/2012	1/29/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	240 D	300 D	320 D	390 D	640 D	450 D	52	58	19
Toluene	5	200 D	160	770 D	360 D	1300 D	450 D	1600 D	1000 D	4
Ethylbenzene	5	1100 D	2500 DJ	1700 D	1500 D	1300 D	880 D	2200 D	2200 D	140
o-Xylene	5	NA	NA	760 D	NA	NA	NA	1100 D	NA	NA
m/p-Xylene	5	NA	NA	1700 D	NA	NA	NA	2900 D	NA	NA
Total Xylene	5	1800 D	1300 D	NA	2200 D	2100 D	1300 D	NA	3900 D	88
Total BTEX (ND=0)	NE	3340	4260	5250	4450	5340	3080	7852	7158	251
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	2 J	NA	NA	NA	6	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	2	NA	NA	NA	11	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	5 J	NA	NA	NA	11	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	2 J	NA	NA	NA	5 J	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-79	MW-79	MW-80	MW-80	MW-80	MW-80	MW-81	MW-81	MW-81
Start Depth		5	5	5	5	5	35	5	5	5
End Depth		20	20	20	20	20	45	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/14/2013	6/10/2013	7/17/2012	10/10/2012	1/14/2013	5/20/2013	7/12/2012	10/5/2012	1/29/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	2 J	NA	NA	NA	4 J	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	57	NA	NA	NA	120	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	1 J	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	1 J	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	560 D	NA	NA	NA	1100 DB	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	30	NA	NA	NA	68	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	370 D	NA	NA	NA	710 D	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	210	NA	NA	NA	320	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	2 J	4 J	2 J	2 J	2 J	10 U	4 J	5 J	10 U
Acenaphthylene	NE	10 U	1 J	1 J	1 J	1 J	10 U	5 J	6 J	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	2 J	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	34	69	36	32	30	11	110 DJ	100 DJ	2 J
Naphthalene	10*	210 D	820 D	190 D	240 D	190 D	110 D	730 D	670 D	25
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	246	894	229	275	223	121	850	784	27
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-81	MW-82	MW-82	MW-82	MW-82	MW-83	MW-83	MW-83	MW-83
Start Depth		5	5	5	5	5	5	5	5	5
End Depth		20	20	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/23/2013	7/12/2012	10/10/2012	1/29/2013	5/15/2013	7/13/2012	10/11/2012	1/7/2013	5/13/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	47	2	19	5	9	1 U	1 U	1 U	1 U
Toluene	5	36	24	190	48	32	12	26	1 U	1 U
Ethylbenzene	5	440 D	79	440 D	200	190 D	75	75	2.5	3
o-Xylene	5	NA	54	NA	NA	NA	51	NA	NA	NA
m/p-Xylene	5	NA	100	NA	NA	NA	48	NA	NA	NA
Total Xylene	5	500	NA	960 D	270	230	NA	180	5.4	31
Total BTEX (ND=0)	NE	1023	259	1609	523	461	186	281	7.9	34
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	3 J	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MW-81	MW-82	MW-82	MW-82	MW-82	MW-83	MW-83	MW-83	MW-83
Start Depth		5	5	5	5	5	5	5	5	5
End Depth		20	20	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/23/2013	7/12/2012	10/10/2012	1/29/2013	5/15/2013	7/13/2012	10/11/2012	1/7/2013	5/13/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	2 J	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	6	NA	NA	NA	7	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	75 B	NA	NA	NA	110 B	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	3	NA	NA	NA	10	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	10	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	47	NA	NA	NA	89	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	33	NA	NA	NA	64	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	2 J	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	4 J	1 J	1 J	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	9 J	10 U	57	14	14	2 J	5 J	10 U	10 U
Naphthalene	10*	98 D	10 U	280 D	59	59	3 J	73	10 U	6 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	107	ND	341	74	74	5	78	ND	6
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S
Start Depth		5	5	5	5	5	5	5	5	5
End Depth		15	15	15	15	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/11/2012	8/3/2012	9/6/2012	10/16/2012	11/9/2012	1/8/2013	3/6/2013	4/8/2013	5/9/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	3	10 U	10 U	1 U	10 U	1 U	1 U	1 U	1 U
o-Xylene	5	6	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	2	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	NA	10 U	19	1	10 U	2	1 U	1 U	1 U
Total BTEX (ND=0)	NE	12	ND	19	1	ND	2	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	2 J	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S	MWBS-02S
Start Depth		5	5	5	5	5	5	5	5	5
End Depth		15	15	15	15	15	15	15	15	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		7/11/2012	8/3/2012	9/6/2012	10/16/2012	11/9/2012	1/8/2013	3/6/2013	4/8/2013	5/9/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	11	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	2	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	1 U	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Acenaphthylene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Anthracene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Chrysene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Fluoranthene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Fluorene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
2-Methylnaphthalene	NE	2 J	NA	NA	10 U	NA	10 U	10 U	NA	NA
Naphthalene	10*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Phenanthrene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Pyrene	50*	10 U	NA	NA	10 U	NA	10 U	10 U	NA	NA
Total PAH (17) (ND=0)	NE	2	NA	NA	ND	NA	ND	ND	NA	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		MWBS-02S	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I
Start Depth		5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
End Depth		15	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/4/2013	7/11/2012	8/3/2012	9/7/2012	10/3/2012	11/5/2012	12/3/2012	1/3/2013	3/6/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	24	10 U	10 U	1 U	10 U	10 U	1 U	1 U
Toluene	5	1 U	3	10 U	10 U	3	10 U	15	1	1 U
Ethylbenzene	5	1 U	180	10 U	10 U	1 U	10 U	10 U	1 U	1 U
o-Xylene	5	NA	110	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	59	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	NA	10 U	10 U	1 U	10 U	10 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	376	ND	ND	3	ND	15	1	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	3 J	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	2 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		MWBS-02S	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02I
Start Depth		5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
End Depth		15	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/4/2013	7/11/2012	8/3/2012	9/7/2012	10/3/2012	11/5/2012	12/3/2012	1/3/2013	3/6/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	5	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	1 J	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	24 B	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	1	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	15	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	14	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Acenaphthylene	NE	10 U	10 U	NA	NA	1 J	NA	NA	10 U	10 U
Anthracene	50*	10 U	10 U	NA	NA	1 J	NA	NA	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Chrysene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Fluoranthene	50*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
Fluorene	50*	10 U	10 U	NA	NA	1 J	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	NA	NA	2 J	NA	NA	10 U	10 U
Naphthalene	10*	10 U	14	NA	NA	4 J	NA	NA	10 U	10 U
Phenanthrene	50*	10 U	10 U	NA	NA	4 J	NA	NA	10 U	10 U
Pyrene	50*	10 U	10 U	NA	NA	1 J	NA	NA	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	14	NA	NA	14	NA	NA	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.
Sample Name		MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D
Start Depth		14.5	14.5	14.5	24.5	24.5	24.5	24.5	24.5	24.5
End Depth		15.5	15.5	15.5	25.5	25.5	25.5	25.5	25.5	25.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/3/2013	5/6/2013	6/4/2013	7/11/2012	8/3/2012	9/6/2012	10/3/2012	12/3/2012	1/3/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	170	280 D	90	63	15	2
Toluene	5	1 U	4.1	1	10	25	10 U	1 U	10 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1	13	10 U	1 U	10 U	1 U
o-Xylene	5	NA	NA	NA	190	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	43	NA	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U	NA	360	15	8	10 U	1 U
Total BTEX (ND=0)	NE	ND	4.1	1	414	678	105	71	15	2
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	10	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.
Sample Name		MWBS-02I	MWBS-02I	MWBS-02I	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D
Start Depth		14.5	14.5	14.5	24.5	24.5	24.5	24.5	24.5	24.5
End Depth		15.5	15.5	15.5	25.5	25.5	25.5	25.5	25.5	25.5
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/3/2013	5/6/2013	6/4/2013	7/11/2012	8/3/2012	9/6/2012	10/3/2012	12/3/2012	1/3/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	2 J	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	34	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	1 J	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	230 DB	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	9	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	9	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	21	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Acenaphthylene	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Anthracene	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Benzo(a)anthracene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Benzo(b)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Benzo(k)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Benzo(g,h,i)perylene	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Benzo(a)pyrene	ND	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Chrysene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Dibenz(a,h)anthracene	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Fluoranthene	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Fluorene	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
2-Methylnaphthalene	NE	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Naphthalene	10*	NA	NA	10 U	160 D	NA	NA	3 J	NA	10 U
Phenanthrene	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Pyrene	50*	NA	NA	10 U	10 U	NA	NA	10 U	NA	10 U
Total PAH (17) (ND=0)	NE	NA	NA	ND	160	NA	NA	3	NA	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	OU3MW-01S	DUP-10 Q3	OU3MW-01S	OU3MW-01S
Start Depth		24.5	24.5	24.5	24.5	24.5	3	3	3	3
End Depth		25.5	25.5	25.5	25.5	25.5	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/4/2013	3/6/2013	4/3/2013	5/6/2013	6/4/2013	8/13/2012	8/13/2012	11/7/2012	1/31/2013
Parent Sample Code							OU3MW-01S			
BTEX (µg/L)										
Benzene	1	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	10 U	1 U	1 U	1 U	1 U	1 U	1 U	6 J	1 U
Ethylbenzene	5	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Total Xylene	5	10 U	1 U	1 U	1 U	1 U	NA	NA	2	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	8	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	500 U	500 U	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	500 U	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	MWBS-02D	OU3MW-01S	DUP-10 Q3	OU3MW-01S	OU3MW-01S
Start Depth		24.5	24.5	24.5	24.5	24.5	3	3	3	3
End Depth		25.5	25.5	25.5	25.5	25.5	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/4/2013	3/6/2013	4/3/2013	5/6/2013	6/4/2013	8/13/2012	8/13/2012	11/7/2012	1/31/2013
Parent Sample Code								OU3MW-01S		
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	2 U	2 U	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	500 U	500 U	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Styrene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	10 U	10 U	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	1 U	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	ND	NA	NA	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		OU3MW-01S	OU3MW-01S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02I	OU3MW-02I
Start Depth		3	3	3	3	3	3	3	3	15	15
End Depth		13	13	13	13	13	13	13	13	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/26/2013	7/13/2012	10/15/2012	1/14/2013	3/11/2013	6/10/2013	7/13/2012	10/15/2012	
Parent Sample Code											
BTEX (µg/L)											
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
o-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	NA	1 U	
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other VOCs (µg/L)											
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA	
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA	
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		OU3MW-01S	OU3MW-01S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02S	OU3MW-02I	
Start Depth		3	3	3	3	3	3	3	3	15	15
End Depth		13	13	13	13	13	13	13	13	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/26/2013	7/13/2012	10/15/2012	1/14/2013	3/11/2013	6/10/2013	7/13/2012	10/15/2012	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-02I	OU3MW-02I	OU3MW-02I	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S
Start Depth		15	15	15	1	1	1	1	1	1
End Depth		20	20	20	11	11	11	11	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/14/2013	3/11/2013	6/10/2013	7/13/2012	8/6/2012	9/5/2012	10/3/2012	3/11/2013	4/3/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	13	10 U	10 U	14	7	3
Toluene	5	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	23	10 U	10 U	62	18	1 U
o-Xylene	5	NA	NA	NA	12	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	33	NA	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U	NA	10 U	10 U	13	23	2
Total BTEX (ND=0)	NE	ND	ND	ND	81	ND	ND	89	48	5
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	1 J	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-02I	OU3MW-02I	OU3MW-02I	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S	OU3MW-03S
Start Depth		15	15	15	1	1	1	1	1	1
End Depth		20	20	20	11	11	11	11	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		1/14/2013	3/11/2013	6/10/2013	7/13/2012	8/6/2012	9/5/2012	10/3/2012	3/11/2013	4/3/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	6	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	66	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	2	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	18	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	9	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Acenaphthylene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Anthracene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Chrysene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Fluoranthene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Fluorene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	NA	NA	2 J	10 U	NA
Naphthalene	10*	10 U	10 U	10 U	28	NA	NA	7 J	19	NA
Phenanthrene	50*	10 U	10 U	10 U	10 U	NA	NA	3 J	10 U	NA
Pyrene	50*	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Total PAH (17) (ND=0)	NE	ND	ND	ND	28	NA	NA	12	19	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.
Sample Name		OU3MW-03S	OU3MW-03S	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I
Start Depth		1	1	20	20	20	20	20	20	20
End Depth		11	11	25	25	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/12/2013	6/19/2013	7/13/2012	8/6/2012	9/5/2012	10/3/2012	11/5/2012	12/5/2012	1/3/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	2	NA	47	35	10 U	2	10 U	10 U	16
Toluene	5	1 U	NA	34	23	10 U	1 U	10 U	10 U	1 U
Ethylbenzene	5	1 U	NA	710 D	480 D	10 U	7	10 U	10 U	6
o-Xylene	5	NA	NA	480 D	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	350	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	NA	NA	470	11	12	10 U	10 U	18
Total BTEX (ND=0)	NE	2	NA	1621	1008	11	21	ND	ND	40
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	8 J	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	1 J	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.
Sample Name		OU3MW-03S	OU3MW-03S	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I
Start Depth		1	1	20	20	20	20	20	20	20
End Depth		11	11	25	25	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/12/2013	6/19/2013	7/13/2012	8/6/2012	9/5/2012	10/3/2012	11/5/2012	12/5/2012	1/3/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	2 J	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	40	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	390 D	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	21	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	150	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	160	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Acenaphthylene	NE	NA	10 U	1 J	NA	NA	1 J	NA	NA	10 U
Anthracene	50*	NA	10 U	10 U	NA	NA	1 J	NA	NA	10 U
Benzo(a)anthracene	0.002*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Benzo(a)pyrene	ND	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Chrysene	0.002*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
Fluoranthene	50*	NA	10 U	10 U	NA	NA	1 J	NA	NA	10 U
Fluorene	50*	NA	10 U	10 U	NA	NA	1 J	NA	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	10 U	NA	NA	10 U	NA	NA	10 U
2-Methylnaphthalene	NE	NA	10 U	21	NA	NA	3 J	NA	NA	10 U
Naphthalene	10*	NA	10 U	230 D	NA	NA	8 J	NA	NA	8 J
Phenanthrene	50*	NA	10 U	10 U	NA	NA	4 J	NA	NA	10 U
Pyrene	50*	NA	10 U	10 U	NA	NA	2 J	NA	NA	10 U
Total PAH (17) (ND=0)	NE	NA	ND	252	NA	NA	21	NA	NA	8
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-04S	OU3MW-04S	OU3MW-04S
Start Depth		20	20	20	20	20	20	1	1	1
End Depth		25	25	25	25	25	25	11	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/6/2013	3/11/2013	4/3/2013	5/2/2013	6/12/2013	6/19/2013	7/10/2012	10/15/2012	1/29/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	23	1 U	2	23	8	NA	1 U	1 U	1 U
Toluene	5	10 U	1 U	47	31	14	NA	1 U	1 U	1 U
Ethylbenzene	5	10 U	1 U	78	1400 D	750 D	NA	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Total Xylene	5	15	1 U	210	3100 D	1700 D	NA	NA	1 U	1 U
Total BTEX (ND=0)	NE	38	ND	337	4554	2472	NA	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-03I	OU3MW-04S	OU3MW-04S	OU3MW-04S
Start Depth		20	20	20	20	20	20	1	1	1
End Depth		25	25	25	25	25	25	11	11	11
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/6/2013	3/11/2013	4/3/2013	5/2/2013	6/12/2013	6/19/2013	7/10/2012	10/15/2012	1/29/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	2	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	NA	NA	NA	2 J	10 U	10 U	10 U
Acenaphthylene	NE	NA	10 U	NA	NA	NA	2 J	10 U	10 U	10 U
Anthracene	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Chrysene	0.002*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Fluoranthene	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Fluorene	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	NA	10 U	NA	NA	NA	27	10 U	10 U	10 U
Naphthalene	10*	NA	10 U	NA	NA	NA	580 D	10 U	10 U	10 U
Phenanthrene	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Pyrene	50*	NA	10 U	NA	NA	NA	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	ND	NA	NA	NA	611	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-04S	OU3MW-04S	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04D
Start Depth		1	1	16	16	16	16	16	16	26
End Depth		11	11	21	21	21	21	21	21	31
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	6/5/2013	7/10/2012	10/3/2012	1/29/2013	3/8/2013	5/9/2013	6/5/2013	7/10/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	300 D
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	980 D
o-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	990 D
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	720 D
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	3001
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	2
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	NA	5 J
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	2 J

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-04S	OU3MW-04S	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04I	OU3MW-04D
Start Depth		1	1	16	16	16	16	16	16	26
End Depth		11	11	21	21	21	21	21	21	31
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	6/5/2013	7/10/2012	10/3/2012	1/29/2013	3/8/2013	5/9/2013	6/5/2013	7/10/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	1 J
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	50
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	NA	1100 DB
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	36
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	NA	240 D
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	27
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	270
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	3 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	41
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	760 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	NA	804
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.
Sample Name		OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D
Start Depth		26	26	26	26	26	26	26	26	26
End Depth		31	31	31	31	31	31	31	31	31
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/2/2012	9/4/2012	10/3/2012	11/8/2012	12/4/2012	1/3/2013	2/5/2013	3/8/2013	4/3/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	19	17	5	10 U	10 U	1 U	10 U	1 U	1 U
Toluene	5	560 D	640 D	170 D	15	10 U	1 U	10 U	1 U	1 U
Ethylbenzene	5	1100 D	1100 D	390 D	64	11	4	10 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	2400 D	2900 D	1100 D	160	45	29	16	7	3
Total BTEX (ND=0)	NE	4079	4657	1665	239	56	33	16	7	3
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	Red. Val.	Red. Val.
Sample Name		OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D	OU3MW-04D
Start Depth		26	26	26	26	26	26	26	26	26
End Depth		31	31	31	31	31	31	31	31	31
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/2/2012	9/4/2012	10/3/2012	11/8/2012	12/4/2012	1/3/2013	2/5/2013	3/8/2013	4/3/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Acenaphthylene	NE	NA	NA	3 J	NA	NA	10 U	NA	10 U	NA
Anthracene	50*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Benzo(a)anthracene	0.002*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Benzo(b)fluoranthene	0.002*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Benzo(k)fluoranthene	0.002*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Benzo(g,h,i)perylene	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Benzo(a)pyrene	ND	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Chrysene	0.002*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Dibenz(a,h)anthracene	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Fluoranthene	50*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Fluorene	50*	NA	NA	1 J	NA	NA	10 U	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
2-Methylnaphthalene	NE	NA	NA	23	NA	NA	10 U	NA	10 U	NA
Naphthalene	10*	NA	NA	370 D	NA	NA	9 J	NA	10 U	NA
Phenanthrene	50*	NA	NA	4 J	NA	NA	10 U	NA	10 U	NA
Pyrene	50*	NA	NA	1 J	NA	NA	10 U	NA	10 U	NA
Total PAH (17) (ND=0)	NE	NA	NA	402	NA	NA	9	NA	ND	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	
Sample Name		OU3MW-04D	OU3MW-04D	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	
Start Depth		26	26	31	31	31	31	31	31	31	31
End Depth		31	31	36	36	36	36	36	36	36	36
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/3/2013	6/6/2013	7/10/2012	9/12/2012	10/3/2012	11/8/2012	12/4/2012	1/3/2013	2/5/2013	
Parent Sample Code											
BTEX (µg/L)											
Benzene	1	1 U	1 U	4	10 U	1	10 U	10 U	1 U	10 U	
Toluene	5	1 U	1 U	86	110	49	10 U	10 U	2	10 U	
Ethylbenzene	5	1 U	1 U	140	170	100	15	10 U	5	10 U	
o-Xylene	5	NA	NA	220 D	NA	NA	NA	NA	NA	NA	
m/p-Xylene	5	NA	NA	320	NA	NA	NA	NA	NA	NA	
Total Xylene	5	11	7	NA	420	250	46	29	28	19	
Total BTEX (ND=0)	NE	11	7	770	700	400	61	29	35	19	
Other VOCs (µg/L)											
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA	
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA	
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val	
Sample Name		OU3MW-04D	OU3MW-04D	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	
Start Depth		26	26	31	31	31	31	31	31	31	31
End Depth		31	31	36	36	36	36	36	36	36	36
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/3/2013	6/6/2013	7/10/2012	9/12/2012	10/3/2012	11/8/2012	12/4/2012	1/3/2013	2/5/2013	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Isopropyl benzene	5	NA	NA	16	NA	NA	NA	NA	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	NA	NA	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	NA	NA	
Naphthalene	10*	NA	NA	270 DB	NA	NA	NA	NA	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	5	NA	NA	8	NA	NA	NA	NA	NA	NA	
Styrene	5	NA	NA	39	NA	NA	NA	NA	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	5	NA	NA	54	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	66	NA	NA	NA	NA	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	NA	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	NA	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Acenaphthylene	NE	NA	10 U	10 U	NA	2 J	NA	NA	10 U	NA	
Anthracene	50*	NA	10 U	10 U	NA	1 J	NA	NA	10 U	NA	
Benzo(a)anthracene	0.002*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Benzo(b)fluoranthene	0.002*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Benzo(k)fluoranthene	0.002*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Benzo(g,h,i)perylene	NE	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Benzo(a)pyrene	ND	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Chrysene	0.002*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Dibenz(a,h)anthracene	NE	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
Fluoranthene	50*	NA	10 U	10 U	NA	1 J	NA	NA	10 U	NA	
Fluorene	50*	NA	10 U	10 U	NA	1 J	NA	NA	10 U	NA	
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	10 U	NA	10 U	NA	NA	10 U	NA	
2-Methylnaphthalene	NE	NA	10 U	5 J	NA	5 J	NA	NA	10 U	NA	
Naphthalene	10*	NA	26	190 D	NA	110 D	NA	NA	4 J	NA	
Phenanthrene	50*	NA	10 U	10 U	NA	5 J	NA	NA	10 U	NA	
Pyrene	50*	NA	10 U	10 U	NA	1 J	NA	NA	10 U	NA	
Total PAH (17) (ND=0)	NE	NA	26	195	NA	126	NA	NA	4	NA	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D3	OU3MW-04D3	OU3MW-04D3	DUP-15 Q1	OU3MW-04D3
Start Depth		31	31	31	31	41	41	41	41	41
End Depth		36	36	36	36	46	46	46	46	46
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	4/3/2013	5/3/2013	6/5/2013	7/11/2012	10/15/2012	3/28/2013	3/28/2013	5/9/2013
Parent Sample Code								OU3MW-04 D3		
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Total Xylene	5	12	9	13	4	NA	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	13	9	13	4	1	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	1 J	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D2	OU3MW-04D3	OU3MW-04D3	OU3MW-04D3	DUP-15 Q1	OU3MW-04D3
Start Depth		31	31	31	31	41	41	41	41	41
End Depth		36	36	36	36	46	46	46	46	46
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/8/2013	4/3/2013	5/3/2013	6/5/2013	7/11/2012	10/15/2012	3/28/2013	3/28/2013	5/9/2013
Parent Sample Code									OU3MW-04 D3	
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 B	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	NA	NA	1 J	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	NA	NA	1	ND	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		DUP-07 Q2	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05I	OU3MW-05I
Start Depth		41	2	2	2	2	2	2	2	15	15
End Depth		46	12	12	12	12	12	12	12	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	7/16/2012	10/19/2012	2/15/2013	3/14/2013	4/10/2013	6/6/2013	7/16/2012	10/19/2012	
Parent Sample Code		OU3MW-04D3									
BTEX (µg/L)											
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	2	
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	11	
o-Xylene	5	NA	1 U	NA	NA	NA	NA	NA	38	NA	
m/p-Xylene	5	NA	1 U	NA	NA	NA	NA	NA	30	NA	
Total Xylene	5	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	26	
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	72	39	
Other VOCs (µg/L)											
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Acetone	50*	NA	2 J	NA	NA	NA	NA	NA	5 U	NA	
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA	
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA	
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		DUP-07 Q2	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05S	OU3MW-05I	OU3MW-05I
Start Depth		41	2	2	2	2	2	2	2	15	15
End Depth		46	12	12	12	12	12	12	12	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	7/16/2012	10/19/2012	2/15/2013	3/14/2013	4/10/2013	6/6/2013	7/16/2012	10/19/2012	
Parent Sample Code		OU3MW-04D3									
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	5 U	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	4 J	NA	NA	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	1 U	NA	NA	NA	NA	NA	10	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	1	NA	
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	8	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	NA	NA	9	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	NA	10 U	3 J	7 J	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	NA	ND	3	7	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-06	OU3MW-06	OU3MW-06	OU3MW-06
Start Depth		15	15	15	15	15	3	3	3	3
End Depth		20	20	20	20	20	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/15/2013	3/14/2013	4/10/2013	5/9/2013	6/6/2013	9/24/2012	10/16/2012	2/15/2013	3/7/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
Toluene	5	26	5	10	23	21	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	10	23	12	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	200	110	130	340	330	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	226	115	150	386	364	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-05I	OU3MW-06	OU3MW-06	OU3MW-06	OU3MW-06
Start Depth		15	15	15	15	15	3	3	3	3
End Depth		20	20	20	20	20	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/15/2013	3/14/2013	4/10/2013	5/9/2013	6/6/2013	9/24/2012	10/16/2012	2/15/2013	3/7/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	4 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	1 U	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	2 J	10 U	NA	NA	6 J	10 U	10 U	10 U	10 U
Naphthalene	10*	68	10	NA	NA	150 D	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	70	10	NA	NA	156	ND	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-06	OU3MW-06	DUP-23 Q2	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S
Start Depth		3	3	3	3	3	3	3	3	3
End Depth		13	13	13	13	13	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	6/17/2013	6/17/2013	7/16/2012	10/4/2012	1/14/2013	3/18/2013	4/5/2013	5/29/2013
Parent Sample Code			OU3MW-06							
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Total Xylene	5	1	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	1	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-06	OU3MW-06	DUP-23 Q2	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S
Start Depth		3	3	3	3	3	3	3	3	3
End Depth		13	13	13	13	13	13	13	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/8/2013	6/17/2013	6/17/2013	7/16/2012	10/4/2012	1/14/2013	3/18/2013	4/5/2013	5/29/2013
Parent Sample Code				OU3MW-06						
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	2 J	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	1 U	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Acenaphthylene	NE	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Anthracene	50*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(a)anthracene	0.002*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(b)fluoranthene	0.002*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(k)fluoranthene	0.002*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(g,h,i)perylene	NE	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzo(a)pyrene	ND	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Chrysene	0.002*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Dibenz(a,h)anthracene	NE	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Fluoranthene	50*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Fluorene	50*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
2-Methylnaphthalene	NE	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Naphthalene	10*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Phenanthrene	50*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Pyrene	50*	NA	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Total PAH (17) (ND=0)	NE	NA	ND	ND	ND	ND	ND	ND	NA	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	36	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		OU3MW-07S	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I
Start Depth		3	15	15	15	15	15	15	15	15
End Depth		13	20	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/5/2013	7/16/2012	8/6/2012	9/5/2012	10/3/2012	11/7/2012	12/4/2012	1/4/2013	2/14/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	10 U	10 U	1 U	10 U	10 U	1 U	10 U
Toluene	5	1 U	1 U	10 U	10 U	91	10 U	10 U	1 U	10 U
Ethylbenzene	5	1 U	1	10 U	10 U	110	10 U	10 U	1 U	10 U
o-Xylene	5	NA	54	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	2	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	NA	92	34	920 D	10 U	10 U	1 U	10 U
Total BTEX (ND=0)	NE	ND	57	92	34	1121	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	No Val	No Val	Red. Val.	No Val
Sample Name		OU3MW-07S	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I
Start Depth		3	15	15	15	15	15	15	15	15
End Depth		13	20	20	20	20	20	20	20	20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/5/2013	7/16/2012	8/6/2012	9/5/2012	10/3/2012	11/7/2012	12/4/2012	1/4/2013	2/14/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	6	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	6	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Acenaphthylene	NE	10 U	10 U	NA	NA	1 J	NA	NA	10 U	NA
Anthracene	50*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(a)anthracene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(b)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(k)fluoranthene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(g,h,i)perylene	NE	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Benzo(a)pyrene	ND	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Chrysene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Dibenz(a,h)anthracene	NE	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Fluoranthene	50*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Fluorene	50*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
2-Methylnaphthalene	NE	10 U	10 U	NA	NA	4 J	NA	NA	10 U	NA
Naphthalene	10*	10 U	1 J	NA	NA	78	NA	NA	10 U	NA
Phenanthrene	50*	10 U	10 U	NA	NA	3 J	NA	NA	10 U	NA
Pyrene	50*	10 U	10 U	NA	NA	10 U	NA	NA	10 U	NA
Total PAH (17) (ND=0)	NE	ND	1	NA	NA	86	NA	NA	ND	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	90	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071
Start Depth		15	15	15	15	20	20	20	20	20
End Depth		20	20	20	20	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/5/2013	5/9/2013	6/4/2013	7/16/2012	8/6/2012	9/4/2012	10/3/2012	1/14/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1.5
Ethylbenzene	5	1 U	1 U	1 U	1 U	1	10 U	10 U	1 U	24
o-Xylene	5	NA	NA	NA	NA	12	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	24	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U	1 U	NA	94	56	20	74
Total BTEX (ND=0)	NE	ND	ND	ND	ND	37	94	56	20	99.5
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	No Val	No Val	Red. Val.	Red. Val.
Sample Name		OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071	OU3MW-071
Start Depth		15	15	15	15	20	20	20	20	20
End Depth		20	20	20	20	25	25	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/5/2013	5/9/2013	6/4/2013	7/16/2012	8/6/2012	9/4/2012	10/3/2012	1/14/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	7	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	4 J	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	4	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	4	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Acenaphthylene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Anthracene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Chrysene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Fluoranthene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Fluorene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
2-Methylnaphthalene	NE	10 U	NA	NA	10 U	10 U	NA	NA	1 J	10 U
Naphthalene	10*	10 U	NA	NA	10 U	6 J	NA	NA	2 J	12
Phenanthrene	50*	10 U	NA	NA	10 U	10 U	NA	NA	2 J	10 U
Pyrene	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	NA	NA	ND	6	NA	NA	5	12
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	380 D	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-0712	OU3MW-0712	OU3MW-0712	OU3MW-0712	OU3MW-0713	OU3MW-0713	OU3MW-0713	OU3MW-0713	OU3MW-0713
Start Depth		20	20	20	20	25	25	25	25	25
End Depth		25	25	25	25	30	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/5/2013	5/9/2013	6/4/2013	7/16/2012	10/4/2012	1/14/2013	3/12/2013	4/5/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1.4	4	1 U
o-Xylene	5	NA	NA	NA	NA	6	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	6	NA	NA	NA	NA
Total Xylene	5	19	11	10	14	NA	3	37	29	5
Total BTEX (ND=0)	NE	19	11	10	14	12	3	38.4	36	5
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-0712	OU3MW-0712	OU3MW-0712	OU3MW-0712	OU3MW-0713	OU3MW-0713	OU3MW-0713	OU3MW-0713	OU3MW-0713
Start Depth		20	20	20	20	25	25	25	25	25
End Depth		25	25	25	25	30	30	30	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/18/2013	4/5/2013	5/9/2013	6/4/2013	7/16/2012	10/4/2012	1/14/2013	3/12/2013	4/5/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	8	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	2	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	2	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1 J	NA	NA	1 J	3 J	10 U	28	10 U	3 J
Phenanthrene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	1	NA	NA	1	3	ND	28	NA	3
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-0713	OU3MW-0713	OU3MW-0714	OU3MW-0714	OU3MW-0714	OU3MW-0714	OU3MW-08S	OU3MW-08S	OU3MW-08S
Start Depth		25	25	35	35	35	35	2	2	2
End Depth		30	30	40	40	40	40	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	6/4/2013	7/16/2012	10/4/2012	1/14/2013	4/5/2013	7/13/2012	10/9/2012	3/26/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	91	86	110
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	280 D	170	340 D
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	460 D	320 D	560 D
o-Xylene	5	NA	NA	1 U	NA	NA	NA	190	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	300	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	NA	390	840 D
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	1321	966	1850
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	1 J	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-0713	OU3MW-0713	OU3MW-0714	OU3MW-0714	OU3MW-0714	OU3MW-0714	OU3MW-08S	OU3MW-08S	OU3MW-08S
Start Depth		25	25	35	35	35	35	2	2	2
End Depth		30	30	40	40	40	40	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/9/2013	6/4/2013	7/16/2012	10/4/2012	1/14/2013	4/5/2013	7/13/2012	10/9/2012	3/26/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	8	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	500 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	5	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	68	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	27	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	NA	NA	10 U	10 U	10 U	10 U	6 J	3 J	7 J
Naphthalene	10*	NA	NA	10 U	10 U	10 U	10 U	200 D	150 D	390 D
Phenanthrene	50*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	NA	ND	ND	ND	ND	206	153	397
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		DUP-13 Q1	OU3MW-08S	OU3MW-08I	OU3MW-08I	OU3MW-09S	OU3MW-09S	OU3MW-09S	OU3MW-09S	OU3MW-09I2
Start Depth		2	2	25	25	2	2	2	2	35
End Depth		12	12	30	30	12	12	12	12	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/26/2013	6/11/2013	7/13/2012	6/11/2013	7/16/2012	10/9/2012	3/19/2013	6/10/2013	7/17/2012
Parent Sample Code		OU3MW-08S								
BTEX (µg/L)										
Benzene	1	120	23	1 U	1 U	12	11	1 U	1 U	13
Toluene	5	350 D	24	1 U	1 U	1 U	2	1 U	1 U	3
Ethylbenzene	5	560 D	78	1 U	1 U	19	57	1 U	1 U	25
o-Xylene	5	NA	NA	1 U	NA	23	NA	NA	NA	25
m/p-Xylene	5	NA	NA	1 U	NA	5	NA	NA	NA	7
Total Xylene	5	820 D	40	NA	1 U	NA	45	1 U	1 U	NA
Total BTEX (ND=0)	NE	1850	165	ND	ND	59	115	ND	ND	73
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	5 U	NA	5 U	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.
Sample Name		DUP-13 Q1	OU3MW-08S	OU3MW-08I	OU3MW-08I	OU3MW-09S	OU3MW-09S	OU3MW-09S	OU3MW-09S	OU3MW-09I2
Start Depth		2	2	25	25	2	2	2	2	35
End Depth		12	12	30	30	12	12	12	12	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/26/2013	6/11/2013	7/13/2012	6/11/2013	7/16/2012	10/9/2012	3/19/2013	6/10/2013	7/17/2012
Parent Sample Code		OU3MW-08S								
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	1 U	NA	5	NA	NA	NA	5
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	11	NA	NA	NA	7
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	1	NA	NA	NA	2
Styrene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	13	NA	NA	NA	14
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	2	NA	NA	NA	2
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	7.5 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Naphthalene	10*	330 D	28	10 U	10 U	2 J	8 J	10 U	10 U	4 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	337.5	28	ND	ND	4	8	ND	ND	4
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	
Sample Name		OU3MW-09I2	OU3MW-09I2	OU3MW-09I2	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-10S	OU3MW-10S
Start Depth		35	35	35	25	25	25	25	25	2	2
End Depth		40	40	40	30	30	30	30	30	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/9/2012	3/19/2013	6/10/2013	7/16/2012	10/9/2012	3/19/2013	6/10/2013	7/13/2012	10/9/2012	
Parent Sample Code											
BTEX (µg/L)											
Benzene	1	1 U	1 U	2	41	67	7	120	1 U	1 U	
Toluene	5	7	2	28	810 D	770 D	78	860 D	1 U	1 U	
Ethylbenzene	5	8	5	24	670 D	960 D	320	730 D	18	17	
o-Xylene	5	NA	NA	NA	350 D	NA	NA	NA	22	NA	
m/p-Xylene	5	NA	NA	NA	570 D	NA	NA	NA	2	NA	
Total Xylene	5	12	9	16	NA	1700 D	510	370	NA	23	
Total BTEX (ND=0)	NE	27	16	70	2441	3497	915	2080	42	40	
Other VOCs (µg/L)											
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Acetone	50*	NA	NA	NA	4 J	NA	NA	NA	5 U	NA	
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Cyclohexane	NE	NA	NA	NA	5 J	NA	NA	NA	10 U	NA	
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA	
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA	
n-Heptane (C7)	NE	NA	NA	NA	5 J	NA	NA	NA	10 U	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	
Sample Name		OU3MW-09I2	OU3MW-09I2	OU3MW-09I2	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-10S	OU3MW-10S
Start Depth		35	35	35	25	25	25	25	25	2	2
End Depth		40	40	40	30	30	30	30	30	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		10/9/2012	3/19/2013	6/10/2013	7/16/2012	10/9/2012	3/19/2013	6/10/2013	7/13/2012	10/9/2012	
Parent Sample Code											
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
n-Hexane (C6)	NE	NA	NA	NA	10	NA	NA	NA	10 U	NA	
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA	
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Isopropyl benzene	5	NA	NA	NA	43	NA	NA	NA	6	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA	
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA	
Naphthalene	10*	NA	NA	NA	470 D	NA	NA	NA	30	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA	
n-Propylbenzene	5	NA	NA	NA	22	NA	NA	NA	2	NA	
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
1,2,4-Trimethylbenzene	5	NA	NA	NA	250 D	NA	NA	NA	3	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	170	NA	NA	NA	1	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA	
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	3 J	5 J	3 J	3 J	10 U	1 J	
Acenaphthylene	NE	10 U	10 U	10 U	1 J	2 J	1 J	2 J	10 U	1 J	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	1 J	2 J	1 J	1 J	10 U	10 U	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	1 J	44	74 DJ	41	36	5 J	10 U	
Naphthalene	10*	2 J	2 J	8 J	210 D	440 D	220	240 D	11	1 J	
Phenanthrene	50*	10 U	10 U	10 U	10 U	2 JB	1 J	1 J	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAH (17) (ND=0)	NE	2	2	9	259	525	267	283	16	3	
Other (cfu/mL)											
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-10S	OU3MW-10S	OU3MW-10I	OU3MW-10I	OU3MW-10I	OU3MW-10I	OU3MW-11S	OU3MW-11S	OU3MW-11I
Start Depth		2	2	25	25	25	25	2	2	25
End Depth		12	12	30	30	30	30	12	12	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	6/12/2013	7/13/2012	10/9/2012	2/8/2013	6/12/2013	8/16/2012	6/14/2013	8/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	170	23	29	130	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	170	100	160	180	1 U	1 U	1 U
o-Xylene	5	NA	NA	150	NA	NA	NA	1 U	NA	1 U
m/p-Xylene	5	NA	NA	220	NA	NA	NA	1 U	NA	1 U
Total Xylene	5	1 U	1 U	NA	180	280	270	NA	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	712	303	469	580	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Acetone	50*	NA	NA	2 J	NA	NA	NA	5 U	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-10S	OU3MW-10S	OU3MW-10I	OU3MW-10I	OU3MW-10I	OU3MW-10I	OU3MW-11S	OU3MW-11S	OU3MW-11I
Start Depth		2	2	25	25	25	25	2	2	25
End Depth		12	12	30	30	30	30	12	12	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		2/8/2013	6/12/2013	7/13/2012	10/9/2012	2/8/2013	6/12/2013	8/16/2012	6/14/2013	8/14/2012
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Isopropyl benzene	5	NA	NA	16	NA	NA	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	170	NA	NA	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	12	NA	NA	NA	1 U	NA	1 U
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	93	NA	NA	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	70	NA	NA	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	1 J	1 J	10 U	2 J	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	3 J	3 J	10 U	4 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	2 J	2 J	10 U	3 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	6 J	3 J	10 U	41	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	71	68 D	10 U	66	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	2 J	2 J	10 U	4 J	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	85	79	ND	120	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-12 Q3	OU3MW-11I	OU3MW-12S	OU3MW-12S	OU3MW-12I	OU3MW-12I	OU3MW-13S	OU3MW-13S	OU3MW-13S
Start Depth		25	25	2	2	25	25	2	2	2
End Depth		30	30	12	12	30	30	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/14/2012	6/14/2013	8/31/2012	6/14/2013	8/31/2012	6/14/2013	7/19/2012	10/10/2012	3/25/2013
Parent Sample Code		OU3MW-11I								
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	370 D	1200 D	1200 D
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1200 D	8200 D	1700 D
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1000 D	4600 D	1300 D
o-Xylene	5	1 U	NA	1 U	NA	1 U	NA	460 D	NA	NA
m/p-Xylene	5	1 U	NA	1 U	NA	1 U	NA	910 D	NA	NA
Total Xylene	5	NA	1 U	NA	1 U	NA	1 U	NA	7000 D	1900 D
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	3940	21000	6100
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Acetone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	3 J	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	2 J	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-12 Q3	OU3MW-11I	OU3MW-12S	OU3MW-12S	OU3MW-12I	OU3MW-12I	OU3MW-13S	OU3MW-13S	OU3MW-13S
Start Depth		25	25	2	2	25	25	2	2	2
End Depth		30	30	12	12	30	30	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		8/14/2012	6/14/2013	8/31/2012	6/14/2013	8/31/2012	6/14/2013	7/19/2012	10/10/2012	3/25/2013
Parent Sample Code		OU3MW-11I								
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	2 J	NA	NA
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Isopropyl benzene	5	1 U	NA	1 U	NA	1 U	NA	32	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	1 U	NA	1 U	NA	420 D	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	15	NA	NA
Styrene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	1 U	NA	160	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	1 U	NA	140	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	8 J	11	4.6 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	2 J	5 J	2 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	18	42	42
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	240 D	660 D	550 D
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	268	720	599.6
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-13S	OU3MW-14S	OU3MW-14S	OU3MW-14S	DUP-12 Q1	OU3MW-14S	OU3MW-15S	OU3MW-15S	OU3MW-15S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/17/2013	7/12/2012	10/10/2012	3/25/2013	3/25/2013	5/20/2013	7/12/2012	10/10/2012	3/28/2013
Parent Sample Code						OU3MW-14S				
BTEX (µg/L)										
Benzene	1	620 D	2400 D	2700 D	4000 D	3700 D	3200 D	37	64	2
Toluene	5	3600 D	5200 D	6900 D	7900 D	7400 D	7200 D	140	200	1 U
Ethylbenzene	5	3200 D	4900 D	5400 D	4100 D	4000 D	3900 D	710 D	890 D	38
o-Xylene	5	NA	2100 D	NA	NA	NA	NA	340 D	NA	NA
m/p-Xylene	5	NA	5500 D	NA	NA	NA	NA	620 D	NA	NA
Total Xylene	5	4700 D	NA	8100 D	5500 D	5400 D	5300 D	NA	1100 D	11
Total BTEX (ND=0)	NE	12120	20100	23100	21500	20500	19600	1847	2254	51
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	3 J	NA	NA	NA	NA	2 J	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	2	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	10	NA	NA	NA	NA	4 J	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	4 J	NA	NA	NA	NA	10 U	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-13S	OU3MW-14S	OU3MW-14S	OU3MW-14S	DUP-12 Q1	OU3MW-14S	OU3MW-15S	OU3MW-15S	OU3MW-15S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/17/2013	7/12/2012	10/10/2012	3/25/2013	3/25/2013	5/20/2013	7/12/2012	10/10/2012	3/28/2013
Parent Sample Code						OU3MW-14S				
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	
n-Hexane (C6)	NE	NA	2 J	NA	NA	NA	10 U	NA	NA	
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Isopropyl benzene	5	NA	96	NA	NA	NA	36	NA	NA	
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	
Methylene chloride	5	NA	4	NA	NA	NA	2 U	NA	NA	
Naphthalene	10*	NA	1200 DB	NA	NA	NA	570 DB	NA	NA	
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	
n-Propylbenzene	5	NA	50	NA	NA	NA	21	NA	NA	
Styrene	5	NA	37	NA	NA	NA	1 U	NA	NA	
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	
1,2,4-Trimethylbenzene	5	NA	650 D	NA	NA	NA	320 D	NA	NA	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	270	NA	NA	NA	230	NA	NA	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	5 J	1 J	1 J	2.2 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	2 J	2 J	2 J	1.2 J	1.1 J	1 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	42	49	58	28	28	29	17	20	10 U
Naphthalene	10*	610 D	560 D	600 D	380 D	410 D	350 D	260 D	240 D	4 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	1.5 J	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	662	612	661	412.9	439.1	380	277	260	4
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OU3MW-15S	OU3MW-16S	OU3MW-16S	OU3MW-16S	OU3MW-16S	DUP-15 Q2	OU3MW-17S	OU3MW-17S	OU3MW-17S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/15/2013	7/19/2012	10/16/2012	3/26/2013	5/23/2013	5/23/2013	4/1/2013	4/9/2013	4/15/2013
Parent Sample Code							OU3MW-16S			
BTEX (µg/L)										
Benzene	1	19	8	8	8	6	6	1 U	1 U	1 U
Toluene	5	2	2	1 U	150	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	130	190	120	440 D	180	170	1 U	1 U	1 U
o-Xylene	5	NA	41	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	18	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	33	NA	36	530 D	33	32	5	1 U	1 U
Total BTEX (ND=0)	NE	184	259	164	1128	219	208	5	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		OU3MW-15S	OU3MW-16S	OU3MW-16S	OU3MW-16S	OU3MW-16S	DUP-15 Q2	OU3MW-17S	OU3MW-17S	OU3MW-17S
Start Depth		2	2	2	2	2	2	2	2	2
End Depth		12	12	12	12	12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/15/2013	7/19/2012	10/16/2012	3/26/2013	5/23/2013	5/23/2013	4/1/2013	4/9/2013	4/15/2013
Parent Sample Code							OU3MW-16S			
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	12	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	270 D	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	9	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	20	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	9	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
2-Methylnaphthalene	NE	10 U	1 J	10 U	3.2 J	1 J	1 J	10 U	NA	NA
Naphthalene	10*	12	190 D	120 D	260 D	160 D	150 D	3 J	NA	NA
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA
Total PAH (17) (ND=0)	NE	12	191	120	263.2	161	151	3	NA	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-17S	OU3MW-17S	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I2	OU3MW-17I2
Start Depth		2	2	15	15	15	15	15	25	25
End Depth		12	12	20	20	20	20	20	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/1/2013	6/5/2013	4/1/2013	4/9/2013	4/15/2013	5/1/2013	6/5/2013	4/1/2013	4/9/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	2
Toluene	5	1 U	1 U	2	1 U	1 U	1 U	1 U	150	99
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7	4
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	1 U	1 U	9	1 U	1 U	1 U	1 U	820 D	430 D
Total BTEX (ND=0)	NE	ND	ND	11	ND	ND	ND	ND	979	535
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-17S	OU3MW-17S	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I	OU3MW-17I2	OU3MW-17I2
Start Depth		2	2	15	15	15	15	15	25	25
End Depth		12	12	20	20	20	20	20	30	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/1/2013	6/5/2013	4/1/2013	4/9/2013	4/15/2013	5/1/2013	6/5/2013	4/1/2013	4/9/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Acenaphthylene	NE	NA	10 U	10 U	NA	NA	NA	10 U	3 J	NA
Anthracene	50*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Benzo(a)anthracene	0.002*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Benzo(b)fluoranthene	0.002*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Benzo(k)fluoranthene	0.002*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Benzo(g,h,i)perylene	NE	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Benzo(a)pyrene	ND	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Chrysene	0.002*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Dibenz(a,h)anthracene	NE	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Fluoranthene	50*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Fluorene	50*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
2-Methylnaphthalene	NE	NA	10 U	10 U	NA	NA	NA	10 U	9 J	NA
Naphthalene	10*	NA	10 U	7 J	NA	NA	NA	10 U	380 D	NA
Phenanthrene	50*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Pyrene	50*	NA	10 U	10 U	NA	NA	NA	10 U	10 U	NA
Total PAH (17) (ND=0)	NE	NA	ND	7	NA	NA	NA	ND	392	NA
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-1712	OU3MW-1712	OU3MW-1712	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-181
Start Depth		25	25	25	15	15	15	15	15	25
End Depth		30	30	30	20	20	20	20	20	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/15/2013	5/1/2013	6/5/2013	4/1/2013	4/9/2013	4/15/2013	5/2/2013	6/10/2013	4/1/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	2	1 U	1 U	5	5	5	5	1	1 U
Toluene	5	61	7.4	1 U	330 D	260 D	290 D	300 D	13	1 U
Ethylbenzene	5	3	17	1 U	30	27	35	41	2	1 U
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylene	5	320	40	2	2500 D	1500 D	1600 D	1600 D	39	1 U
Total BTEX (ND=0)	NE	386	64.4	2	2865	1792	1930	1946	55	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-1712	OU3MW-1712	OU3MW-1712	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-181	OU3MW-1812
Start Depth		25	25	25	15	15	15	15	15	25
End Depth		30	30	30	20	20	20	20	20	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/15/2013	5/1/2013	6/5/2013	4/1/2013	4/9/2013	4/15/2013	5/2/2013	6/10/2013	4/1/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Acenaphthylene	NE	NA	NA	10 U	3 J	NA	NA	NA	10 U	10 U
Anthracene	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Benzo(a)anthracene	0.002*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Benzo(a)pyrene	ND	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Chrysene	0.002*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Fluoranthene	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Fluorene	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
2-Methylnaphthalene	NE	NA	NA	10 U	18	NA	NA	NA	10 U	10 U
Naphthalene	10*	NA	NA	10 U	690 D	NA	NA	NA	52	10 U
Phenanthrene	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Pyrene	50*	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	NA	ND	711	NA	NA	NA	52	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-1812	OU3MW-1812	OU3MW-1812	OU3MW-1812	PDMW-01	PDMW-01	SV-02	SV-02	SV-02
Start Depth		25	25	25	25	5	5	2	2	2
End Depth		30	30	30	30	20	20	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/9/2013	4/15/2013	5/2/2013	6/10/2013	8/8/2012	5/21/2013	7/18/2012	10/4/2012	2/15/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	110	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	280 D	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	190	1 U	1 U
o-Xylene	5	NA	NA	NA	NA	1 U	NA	57	NA	NA
m/p-Xylene	5	NA	NA	NA	NA	1 U	NA	130	NA	NA
Total Xylene	5	1 U	1 U	1 U	5	NA	1 U	NA	1	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	5	ND	ND	767	1	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Acetone	50*	NA	NA	NA	NA	5 U	NA	2 J	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromoform	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Bromomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloroform	7	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chloromethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
Ethanol	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		OU3MW-18I2	OU3MW-18I2	OU3MW-18I2	OU3MW-18I2	PDMW-01	PDMW-01	SV-02	SV-02	SV-02
Start Depth		25	25	25	25	5	5	2	2	2
End Depth		30	30	30	30	20	20	12	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		4/9/2013	4/15/2013	5/2/2013	6/10/2013	8/8/2012	5/21/2013	7/18/2012	10/4/2012	2/15/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Iodomethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	3	NA	NA
Naphthalene	10*	NA	NA	NA	NA	1 U	NA	16	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Styrene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	1 U	NA	9	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	1 U	NA	6	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	NA	NA	NA	3 J	10 U	10 U	9 J	10 U	10 U
Phenanthrene	50*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	NA	NA	NA	3	ND	ND	9	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		SV-02	SV-02I	SV-02I	SV-02I	SV-02I	SV-02I2	SV-02I2	SV-02I2	SV-02I2
Start Depth		2	22	22	22	22	35	35	35	35
End Depth		12	27	27	27	27	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/15/2013	7/18/2012	10/4/2012	2/14/2013	5/15/2013	7/18/2012	10/4/2012	2/14/2013	4/29/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	44	65	8	2	1 U	1 U	1 U	1 U
Toluene	5	1 U	1300 D	5600 D	99	9	10	1 U	1 U	1 U
Ethylbenzene	5	1 U	2000 D	6100 D	620 D	190	15	1 U	1 U	1 U
o-Xylene	5	NA	1300 D	NA	NA	NA	8	NA	NA	NA
m/p-Xylene	5	NA	2300 D	NA	NA	NA	14	NA	NA	NA
Total Xylene	5	1 U	NA	14000 D	680 D	93	NA	1	1 U	1 U
Total BTEX (ND=0)	NE	ND	6944	25765	1407	294	47	1	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	12	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA

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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Val
Sample Name		SV-02	SV-02I	SV-02I	SV-02I	SV-02I	SV-02I2	SV-02I2	SV-02I2	SV-02I2
Start Depth		2	22	22	22	22	35	35	35	35
End Depth		12	27	27	27	27	40	40	40	40
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		5/15/2013	7/18/2012	10/4/2012	2/14/2013	5/15/2013	7/18/2012	10/4/2012	2/14/2013	4/29/2013
Parent Sample Code										
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	2 J	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	53	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	3	NA	NA	NA
Naphthalene	10*	NA	1500 D	NA	NA	NA	4	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	34	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	NA	490 D	NA	NA	NA	2	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	490 D	NA	NA	NA	2	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	240	NA	NA	NA	1	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	2 J	1 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	3 J	7 J	2 J	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	33	78	33	3 J	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	590 D	1600 D	350 D	65	5 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	626	1688	386	68	5	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		SV-03	DUP-02 Q3	SV-03	SV-03	SV-03
Start Depth		2	2	2	2	2
End Depth		12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft
Sample Date		7/16/2012	7/16/2012	10/12/2012	1/30/2013	5/14/2013
Parent Sample Code			SV-03			
BTEX (µg/L)						
Benzene	1	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	13	17	5	15	1 U
o-Xylene	5	6	8	NA	NA	NA
m/p-Xylene	5	2	5	NA	NA	NA
Total Xylene	5	NA	NA	1 U	2	1 U
Total BTEX (ND=0)	NE	21	30	5	17	ND
Other VOCs (µg/L)						
Acetaldehyde	8*	10 U	10 U	NA	NA	NA
Acetone	50*	5 U	5 U	NA	NA	NA
Acrylonitrile	5	10 U	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	10 U	NA	NA	NA
Bromochloromethane	5	1 U	1 U	NA	NA	NA
Bromodichloromethane	50*	1 U	1 U	NA	NA	NA
Bromoform	50*	1 U	1 U	NA	NA	NA
Bromomethane	5	1 U	1 U	NA	NA	NA
1,3-Butadiene	NE	10 U	10 U	NA	NA	NA
Carbon disulfide	60*	1 U	1 U	NA	NA	NA
Carbon tetrachloride	5	1 U	1 U	NA	NA	NA
Chlorobenzene	5	1 U	1 U	NA	NA	NA
Chloroethane	5	1 U	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	1 U	NA	NA	NA
Chloroform	7	1 U	1 U	NA	NA	NA
Chloromethane	5	1 U	1 U	NA	NA	NA
Chlorotoluene	5	1 U	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	10 U	10 U	NA	NA	NA
Cyclohexane	NE	10 U	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	NA	NA	NA
Dibromochloromethane	50*	1 U	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	1 U	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	1 U	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	1 U	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	1 U	NA	NA	NA
1,1-Dichloroethane	5	1 U	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	1 U	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	1 U	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	1 U	1 U	NA	NA	NA
1,2-Dichloropropane	1	1 U	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	1 U	NA	NA	NA
1,4-Dioxane	NE	500 U	500 U	NA	NA	NA
Ethanol	NE	500 U	500 U	NA	NA	NA
n-Heptane (C7)	NE	10 U	10 U	NA	NA	NA

Table 4-13
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 3 (OU-3)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		SV-03	DUP-02 Q3	SV-03	SV-03	SV-03
Start Depth		2	2	2	2	2
End Depth		12	12	12	12	12
Depth Unit		ft	ft	ft	ft	ft
Sample Date		7/16/2012	7/16/2012	10/12/2012	1/30/2013	5/14/2013
Parent Sample Code			SV-03			
Hexachlorobutadiene	0.5	1 U	1 U	NA	NA	NA
n-Hexane (C6)	NE	10 U	10 U	NA	NA	NA
2-Hexanone	50*	5 U	5 U	NA	NA	NA
Iodomethane	5	1 U	1 U	NA	NA	NA
Isopropyl benzene	5	3	3	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	7 J	7 J	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	5 U	NA	NA	NA
Methylene chloride	5	2 U	2 U	NA	NA	NA
Naphthalene	10*	55	72	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	500 U	NA	NA	NA
n-Propylbenzene	5	4	4	NA	NA	NA
Styrene	5	1 U	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	1 U	1 U	NA	NA	NA
Tetrahydrofuran	50*	10 U	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	1 U	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	1 U	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	1 U	1 U	NA	NA	NA
Trichloroethene (TCE)	5	1 U	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	1 U	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	7	8	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	13	14	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	10 U	NA	NA	NA
Vinyl acetate	NE	1 U	1 U	NA	NA	NA
Vinyl chloride	2	1 U	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)						
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	39	35	8 J	6 J	1 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	39	35	8	6	1
Other (cfu/mL)						
Standard Plate Count	NE	NA	NA	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	11	0	0	0	10	
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	--	0	--	--	
WCMW-01D	64.0 - 74.0	0	0	--	0	--	--	0	--	--	--	--	
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	--	0	--	--	
WCMW-02I	34.5 - 44.5	0	0	0	0	0	--	0	--	--	--	--	
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	--	--	--	--	
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	23	
WCMW-03I	19.4 - 24.4	--	0	0	0	0	0	0	0	0	--	--	
WCMW-03I2	28.55 - 33.55	--	0	0	0	0	0	0	0	0	--	--	
WCMW-04S	1.6 - 11.6	--	33	0	15	16	12	0	10	40	0	0	
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	--	0	--	--	
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--	
WCMW-05S	1.4 - 11.4	--	0	0	0	0	0	0	0	0	0	--	
WCMW-05I	19.61 - 24.61	--	0	0	0	0	0	0	--	0	--	--	
WCMW-05I2	29.46 - 34.46	--	0	0	0	0	--	0	0	0	--	--	
WCMW-06S	2.0 - 12.0	--	0	0	0	0	0	0	--	--	--	--	
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	--	--	--	--	
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	--	--	--	--	
WCMW-07S	2.76 - 12.76	--	0	0	0	0	--	0	--	--	--	--	
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	--	--	--	--	
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	--	--	--	--	
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	--	--	--	--	
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2005		2006				2007				2008	
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-01S	2.0 - 12.0	0	0	0	23	0	0	0	13	9	2	0	12
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	1	0	0	0
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	2	0	0	0
WCMW-02S	3.0 - 13.0	--	0	0	0	0	0	0	4	6	0	0	2
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-03S	4.83 - 9.83	10	--	0	22	20	0	12	32	0	20	21	25
WCMW-03I	19.4 - 24.4	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-04S	1.6 - 11.6	0	11	10	31	16	0	12	23	25	6	22	24
WCMW-04I	19.0 - 24.0	0	--	--	--	0	--	--	0	0	0	0	0
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	0	--	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	--	0	--	--	0	0	0	0	0	0	0
WCMW-05I	19.61 - 24.61	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	0	0	--	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-09S	5.0 - 15.0	--	0	0	0	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	0	0	0	--	--	--	1	0	0	0	0
WCMW-11S	5.0 - 15.0	--	80	--	148	--	--	--	--	--	--	53	--
WCMW-11I	25.0 - 35.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-11D	50.0 - 60.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	1
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2005		2006				2007				2008	
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2008		2009				2010				2011	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept
WCMW-01S	2.0 - 12.0	3	3	1	4	0	1	5	10	14	1	--	--
WCMW-01I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--
WCMW-01D	64.0 - 74.0	0	0	0	0	0	0	0	0	0	0	--	--
WCMW-02S	3.0 - 13.0	0	0	0	0	5	0	0	0	3	9	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	24	33	34	23	6	27	29	30	27	24	--	--
WCMW-03I	19.4 - 24.4	0	0	0	0	0	0	0	0	0	0	--	--
WCMW-03I2	28.55 - 33.55	0	0	0	0	0	0	0	0	0	0	--	--
WCMW-04S	1.6 - 11.6	26	21	34	10	2	6	12	32	25	30	11	2
WCMW-04I	19.0 - 24.0	0	0	0	2	0	0	0	0	0	0	0	14
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	0	0	0	0	0	0	2
WCMW-05S	1.4 - 11.4	0	1	0	0	1	2	3	0	0	3	2	2
WCMW-05I	19.61 - 24.61	0	0	0	0	0	0	0	0	0	0	0	1
WCMW-05I2	29.46 - 34.46	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	--	--	--	--	--
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	--	--	--	--	--
WCMW-10D	40.0 - 50.0	0	0	0	0	0	0	0	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	53	36	2	23	--	12	16	27	30	75
WCMW-11I	25.0 - 35.0	--	--	0	0	0	0	--	0	0	0	0	0
WCMW-11D	50.0 - 60.0	--	--	0	0	0	0	--	0	0	0	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	2	0	0
WCMW-13S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	1	0	0	0	0	0	0
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	0	2	0	9	0	0	0	0	0	--	--
WCMW-16I	20.0 - 25.0	0	0	1	0	0	0	0	0	0	0	--	--
WCMW-16I2	30.0 - 35.0	0	0	2	0	0	0	0	0	0	0	--	--

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date											
		2008	2009				2010				2011		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept
WCMW-17S	2.0 - 12.0	--	--	5	6	2	0	1	1	1	4	--	--
WCMW-17I	20.0 - 25.0	--	--	0	2	0	0	1	0	0	0	--	--
WCMW-17I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	--	--
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0	0	--	--
WCMW-18S	2.0 - 12.0	--	--	0	0	1	0	0	0	0	0	--	--
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0	0	--	--
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	--	--
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	--
WCMW-22S	2.0 - 12.0	--	--	--	0	0	0	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	0	0	0	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	0	0	0	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	0	16	--	8	3	4	2	--
WCMW-24I	20.0 - 25.0	--	--	--	--	0	0	--	0	0	0	0	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	--
WCMW-25I	30.0 - 35.0	--	--	--	--	0	1	0	0	0	0	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	44	78	--	35	114	21	19	47
WCMW-26I	20.0 - 25.0	--	--	--	--	0	0	--	0	0	0	0	0
WCMW-26I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	0
WCMW-27S	2.0 - 12.0	--	--	--	--	19	4	29	16	19	31	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	84	19	59	69	145
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2011	2012				2013						
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	0	23	4	0	23	
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	0	1	0	0	1	
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	0	2	0	0	2	
WCMW-02S	3.0 - 13.0	19	6	0	0	0	0	0	19	2	0	19	
WCMW-02I	34.5 - 44.5	0	0	0	0	--	--	0	0	0	0	0	
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	0	42	19	0	42	
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	0	0	0	0	0	
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	0	0	0	0	0	
WCMW-04S	1.6 - 11.6	3	0	0	0	0	0	0	40	13	0	40	
WCMW-04I	19.0 - 24.0	9	4	13	24	17	17	0	24	3	0	24	
WCMW-04I2	29.85 - 34.85	0	0	0	4	2	0	0	4	0	0	4	
WCMW-05S	1.4 - 11.4	0	3	1	0	0	2	0	3	1	0	3	
WCMW-05I	19.61 - 24.61	5	9	10	8	8	5	0	10	1	0	10	
WCMW-05I2	29.46 - 34.46	0	2	0	0	0	0	0	2	0	0	2	
WCMW-06S	2.0 - 12.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-06I	19.55 - 24.55	0	0	0	0	--	--	0	0	0	0	0	
WCMW-06I2	29.83 - 34.83	0	0	0	0	--	--	0	0	0	0	0	
WCMW-07S	2.76 - 12.76	--	0	--	--	--	--	0	0	0	0	0	
WCMW-07I	18.9 - 23.9	--	0	--	--	--	--	0	0	0	0	0	
WCMW-07I2	28.95 - 33.95	--	0	--	--	--	--	0	0	0	0	0	
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	0	0	0	0	0	
WCMW-08I	19.2 - 24.2	--	0	--	--	--	--	0	0	0	0	0	
WCMW-08I2	26.9 - 31.9	--	0	--	--	--	--	0	0	0	0	0	
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-10S	15.0 - 20.0	--	--	--	--	0	0	0	0	0	0	0	
WCMW-10D	40.0 - 50.0	--	--	--	--	0	0	0	1	0	0	1	
WCMW-11S	5.0 - 15.0	--	37	17	10	--	6	2	2	148	39	2	148
WCMW-11I	25.0 - 35.0	--	0	0	0	--	0	0	0	0	0	0	0
WCMW-11D	50.0 - 60.0	--	0	0	0	--	--	0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	--	--	0	2	0	0	2	2
WCMW-13S	3.0 - 13.0	2	17	3	10	12	0	0	17	2	0	17	17
WCMW-13I	25.0 - 30.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	1	0	0	0	0	0	1	0	0	1	1
WCMW-14I	20.0 - 25.0	0	0	0	1	2.5	1	0	3	0	0	3	3
WCMW-14I2	30.0 - 35.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	--	--	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	0	9	1	0	9	9
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	0	1	0	0	1	1
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	0	2	0	0	2	2

Table 4-14
 Summary of Historical BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentration (µg/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2011	2012			2013							
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	0	6	3	0	6	
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	0	2	0	0	2	
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	0	1	0	0	1	
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-19S	2.0 - 12.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-19I	20.0 - 25.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-19I2	30.0 - 35.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-22S	2.0 - 12.0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-22I	25.0 - 30.0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	0	16	6	0	16	
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-25I	30.0 - 35.0	0	0	0	0	--	--	0	1	0	0	1	
WCMW-25D	55.0 - 60.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-26S	2.0 - 12.0	--	45	60	67	--	7	7	114	49	4	114	
WCMW-26I	20.0 - 25.0	--	0	2	0	--	0	0	2	0	0	2	
WCMW-26I2	30.0 - 35.0	--	0	0	0	--	--	0	0	0	0	0	
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	4	31	20	4	31	
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-29S	2.0 - 12.0	--	152	62	54	--	154	182	19	154	89	19	182
WCMW-29I	20.0 - 25.0	--	0	0	0	--	--	0	0	0	0	0	0
WCMW-30S	2.0 - 12.0	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-30I	20.0 - 25.0	--	10	13	26	30	14	21	10	30	19	10	30
WCMW-30I2	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-31S	2.0 - 12.0	--	3	1	0	2	4	0	4	2	0	4	4
WCMW-31I	20.0 - 25.0	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-31I2	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-32S	2.0 - 12.0	--	0	0	0	0	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--
WCMW-01D	64.0 - 74.0	45	35	--	0	--	--	0	0	--	--	--	--
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--
WCMW-02I	34.5 - 44.5	0	4	0	0	0	--	0	0	--	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--
WCMW-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1,261	1,395	1,182	1,532	--	--
WCMW-03I2	28.55 - 33.55	--	327	340	402	348	49	133	191	127	94	--	--
WCMW-04S	1.6 - 11.6	--	1,080	141	69	270	50	0	219	836	17	136	204
WCMW-04I	19.0 - 24.0	--	221	174	142	99	0	62	90	--	81	--	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	17	95	0	--	--
WCMW-05S	1.4 - 11.4	--	0	31	0	0	0	10	0	14	12	--	--
WCMW-05I	19.61 - 24.61	--	156	329	243	215	298	227	245	--	276	--	--
WCMW-05I2	29.46 - 34.46	--	0	0	15	0	--	0	0	214	0	--	--
WCMW-06S	2.0 - 12.0	--	39	0	0	0	0	0	0	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	56	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date											
		2005		2006				2007				2008	
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-01S	2.0 - 12.0	14	0	10	340	130	78	291	203	345	47	9	353
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	0	0	0	2
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-02S	3.0 - 13.0	--	0	0	30	0	0	0	77	101	0	4	51
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-03S	4.83 - 9.83	376	--	242	339	233	198	240	305	44	122	12	102
WCMW-03I	19.4 - 24.4	1,423	--	1,770	--	--	--	--	255	315	939	134	290
WCMW-03I2	28.55 - 33.55	109	--	83	--	--	--	--	5	37	6	0	25
WCMW-04S	1.6 - 11.6	153	116	57	264	445	95	214	194	326	186	72	337
WCMW-04I	19.0 - 24.0	155	--	--	--	144	--	--	142	94	70	66	96
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	--	--	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	--	0	--	--	0	0	3	3	5	3	4
WCMW-05I	19.61 - 24.61	338	--	286	--	--	--	--	242	287	162	153	121
WCMW-05I2	29.46 - 34.46	0	--	0	--	--	--	--	7	31	0	0	39
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	1	0	0	4	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	52	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	0	11	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	0	0	--	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-09S	5.0 - 15.0	--	0	0	0	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	0	0	21	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	0	0	0	--	--	--	0	0	0	0	0
WCMW-11S	5.0 - 15.0	--	1,037	--	590	--	--	--	--	--	--	705	--
WCMW-11I	25.0 - 35.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-11D	50.0 - 60.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	2	5	4
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	1
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	1
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	16	77	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	70
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	4	28	57
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date											
		2005	2006			2007				2008			
Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep		
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date											
		2008		2009				2010				2011	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-01S	2.0 - 12.0	77	0	16	26	3	4	14	115	49	18	--	--
WCMW-01I	35.0 - 45.0	0	0	0	46	0	1	0	0	0	0	--	--
WCMW-01D	64.0 - 74.0	0	0	0	2	0	0	0	0	0	0	--	--
WCMW-02S	3.0 - 13.0	27	0	5	0	12	3	0	2	56	38	9	15
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	239	243	358	419	237	501	6	327	363	1,532	--	--
WCMW-03I	19.4 - 24.4	1,107	142	1,146	994	1,743	1,127	1,332	1,213	1,101	6	--	--
WCMW-03I2	28.55 - 33.55	24	0	2	5	15	0	535	0	9	8	--	--
WCMW-04S	1.6 - 11.6	332	43	16	272	197	204	227	251	390	369	262	315
WCMW-04I	19.0 - 24.0	100	33	108	101	46	15	30	97	130	95	44	174
WCMW-04I2	29.85 - 34.85	0	0	0	0	2	0	0	0	1	0	0	285
WCMW-05S	1.4 - 11.4	2	5	7	6	8	8	7	38	34	284	8	42
WCMW-05I	19.61 - 24.61	150	170	241	411	432	270	83	43	217	28	136	407
WCMW-05I2	29.46 - 34.46	63	0	48	5	0	0	0	19	30	0	0	778
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	0	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	--	--	--	--	--
WCMW-10S	15.0 - 20.0	0	0	0	0	5	0	0	--	--	--	--	--
WCMW-10D	40.0 - 50.0	0	0	0	0	3	0	0	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	624	637	238	159	--	496	1,350	386	1,286	1,258
WCMW-11I	25.0 - 35.0	--	--	0	10	1	20	--	0	62	36	5	182
WCMW-11D	50.0 - 60.0	--	--	0	0	0	2	--	0	0	0	0	0
WCMW-12S	3.0 - 13.0	1	4	13	0	3	0	2	0	0	0	2	2
WCMW-12I	25.0 - 30.0	0	0	5	5	16	0	0	0	0	0	0	30
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	53	0	0	0	0	1	0	0	0	0	0	2
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	1	0	0	0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	6	0	4	20	23	26	0	3	0	29
WCMW-14I	20.0 - 25.0	2	2	50	64	81	149	214	149	65	24	25	376
WCMW-14I2	30.0 - 35.0	10	1	11	0	18	57	25	95	201	160	9	71
WCMW-14D	67.0 - 72.0	0	0	2	0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	24	22	0	1,971	2,259	337	43	56	51	--	--
WCMW-16I	20.0 - 25.0	0	0	18	0	2	13	6	14	14	6	--	--
WCMW-16I2	30.0 - 35.0	0	0	4	55	5	15	10	17	0	1	--	--

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)												
		Sampling Date												
		2008	2009				2010				2011			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	
WCMW-17S	2.0 - 12.0	--	--	295	226	201	141	339	431	407	339	--	--	
WCMW-17I	20.0 - 25.0	--	--	292	342	38	186	338	394	322	258	--	--	
WCMW-17I2	30.0 - 35.0	--	--	0	16	0	12	12	31	0	20	--	--	
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0	0	--	--	
WCMW-18S	2.0 - 12.0	--	--	0	0	0	0	0	0	0	0	--	--	
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0	0	--	--	
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	--	--	
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0	
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0	
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0	
WCMW-20S	2.0 - 12.0	--	--	--	0	2	0	0	0	0	0	0	--	
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	--	
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	--	
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	--	
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	--	
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	--	
WCMW-22S	2.0 - 12.0	--	--	--	61	56	54	--	--	--	--	--	--	
WCMW-22I	25.0 - 30.0	--	--	--	5	1	0	--	--	--	--	--	--	
WCMW-23S	2.0 - 12.0	--	--	--	34	16	0	--	--	--	--	--	--	
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	--	--	--	--	--	
WCMW-24S	2.0 - 12.0	--	--	--	--	237	336	--	215	170	158	271	--	
WCMW-24I	20.0 - 25.0	--	--	--	--	10	53	--	32	40	98	58	--	
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	--	
WCMW-25I	30.0 - 35.0	--	--	--	--	0	54	0	0	0	0	0	20	
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0	0	0	0	0	
WCMW-26S	2.0 - 12.0	--	--	--	--	350	232	--	394	146	204	331	243	
WCMW-26I	20.0 - 25.0	--	--	--	--	47	24	--	87	28	0	26	56	
WCMW-26I2	30.0 - 35.0	--	--	--	--	3	24	--	11	10	7	5	0	
WCMW-27S	2.0 - 12.0	--	--	--	--	141	0	278	708	0	699	--	--	
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	--	--	
WCMW-28S	2.0 - 12.0	--	--	--	--	251	36	97	396	301	128	--	--	
WCMW-28I	20.0 - 25.0	--	--	--	--	2	0	0	0	0	0	--	--	
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	2,391	2,154	1,092	1,599	--	
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	43	29	10	17	--	
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2011	2012				2013						
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	0	756	115	0	756	
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	0	46	2	0	46	
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	0	45	4	0	45	
WCMW-02S	3.0 - 13.0	69	94	87	58	--	67.5	84	0	125	31	0	125
WCMW-02I	34.5 - 44.5	0	0	0	1	--	--	0	0	4	0	0	4
WCMW-02D	62.0 - 72.0	5	0	0	1	0	0	0	0	5	0	0	5
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	6	1,532	317	6	1,532
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	6	1,770	967	6	1,770
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	0	535	111	0	535
WCMW-04S	1.6 - 11.6	132	98	60	22	20	35	12	0	1,080	213	0	1,080
WCMW-04I	19.0 - 24.0	432	411	251	198	199	299	306	0	432	133	0	432
WCMW-04I2	29.85 - 34.85	79	73	126	73	102	41	95	0	285	28	0	285
WCMW-05S	1.4 - 11.4	0	94	74	76	49	97	49	0	284	26	0	284
WCMW-05I	19.61 - 24.61	173	225	147	177	147	162	229	28	432	218	28	432
WCMW-05I2	29.46 - 34.46	264	306	266	112	199	173	350	0	778	78	0	778
WCMW-06S	2.0 - 12.0	0	0	0	0	--	--	0	0	39	1	0	39
WCMW-06I	19.55 - 24.55	0	0	0	0	--	--	0	0	52	2	0	52
WCMW-06I2	29.83 - 34.83	0	0	0	0	--	--	0	0	11	0	0	11
WCMW-07S	2.76 - 12.76	--	0	--	--	--	--	--	0	56	8	0	56
WCMW-07I	18.9 - 23.9	--	0	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	0	--	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	0	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	0	--	--	--	--	0	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	0	--	--	--	--	0	0	0	0	0	0
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	--	--	--	0	0	0	0	21	1	0	21
WCMW-10D	40.0 - 50.0	--	--	--	--	0	0	0	0	3	0	0	3
WCMW-11S	5.0 - 15.0	--	375	392	266	--	129	56	129	1,350	621	56	1,350
WCMW-11I	25.0 - 35.0	--	61	188	318	--	73	25	0	318	60	0	318
WCMW-11D	50.0 - 60.0	--	0	0	0	--	--	0	0	2	0	0	2
WCMW-12S	3.0 - 13.0	0	0	3	5	--	--	1	0	13	2	0	13
WCMW-12I	25.0 - 30.0	4	1	0	0	--	--	89	0	30	3	0	89
WCMW-12D	67.0 - 72.0	0	0	0	2	--	--	0	0	2	0	0	2
WCMW-13S	3.0 - 13.0	75	229	219	156	141	2	0	0	229	42	0	229
WCMW-13I	25.0 - 30.0	0	0	2	0	--	--	0	0	2	0	0	2
WCMW-13D	65.0 - 70.0	0	0	0	0	--	--	0	0	1	0	0	1
WCMW-14S	2.0 - 12.0	263	143	56	90	81	58	81	0	263	38	0	263
WCMW-14I	20.0 - 25.0	125	125	258	231	165	149	167	0	376	112	0	376
WCMW-14I2	30.0 - 35.0	0	0	0	6	--	--	0	0	201	39	0	201
WCMW-14D	67.0 - 72.0	0	0	0	0	--	--	0	0	2	0	0	2
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	0	2,259	373	0	2,259
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	0	18	6	0	18
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	0	55	8	0	55

Table 4-15
 Summary of Historical Total PAH Groundwater Analytical Results
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 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2011	2012			2013							
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	141	431	297	141	431	
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	38	394	271	38	394	
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	0	31	11	0	31	
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-19S	2.0 - 12.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-19I	20.0 - 25.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-19I2	30.0 - 35.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	0	2	0	0	2	
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-22S	2.0 - 12.0	--	59	--	--	--	--	54	61	58	37	61	
WCMW-22I	25.0 - 30.0	--	0	--	--	--	--	0	5	2	0	5	
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	17	34	17	0	34	
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	158	336	231	158	336	
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	10	98	49	10	98	
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-25I	30.0 - 35.0	0	0	7	0	--	--	0	54	7	0	54	
WCMW-25D	55.0 - 60.0	0	0	0	0	--	--	0	0	0	0	0	
WCMW-26S	2.0 - 12.0	--	352	436	290	--	217	146	436	290	146	436	
WCMW-26I	20.0 - 25.0	--	7	25	12	--	86	111	87	36	0	111	
WCMW-26I2	30.0 - 35.0	--	1	9	3	--	--	2	24	7	0	24	
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	0	708	304	0	708	
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	36	396	202	36	396	
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	0	2	0	0	2	
WCMW-29S	2.0 - 12.0	--	2,374	1,420	1,986	--	2,123	1,615	1,092	2,391	1,092	2,391	
WCMW-29I	20.0 - 25.0	--	5	10	24	--	--	60	5	43	5	60	
WCMW-30S	2.0 - 12.0	--	14	49	18	8	7	16	7	49	7	49	
WCMW-30I	20.0 - 25.0	--	169	486	654	585	373	602	169	654	169	654	
WCMW-30I2	30.0 - 35.0	--	3	12	1	108	46	0	1	108	34	108	
WCMW-31S	2.0 - 12.0	--	427	353	53	35	241	199	35	427	222	35	427
WCMW-31I	20.0 - 25.0	--	31	18	9	0	7	10	0	31	13	0	31
WCMW-31I2	30.0 - 35.0	--	69	4	0	0	0	0	0	69	15	0	69
WCMW-32S	2.0 - 12.0	--	304	286	189	4	247	269	4	304	206	4	304

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-02S	WCMW-02S	WCMW-02S	WCMW-02S	WCMW-02I	WCMW-02I	WCMW-02D	DUP-24 Q3	WCMW-02D
Start Depth		3	3	3	3	34.5	34.5	62	62	62
End Depth		13	13	13	13	44.5	44.5	72	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/20/2012	12/13/2012	3/25/2013	5/30/2013	9/20/2012	5/30/2013	9/20/2012	9/20/2012	12/13/2012
Parent Sample Code								WCMW-02D		
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
m/p-Xylene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Total Xylene	5	NA	1 U	1 U	1 U	NA	1 U	NA	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Acetone	50*	1 J	NA	NA	NA	5 U	NA	5 U	5 U	NA
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Chloroform	7	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	500 U	500 U	NA
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	500 U	500 U	NA
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-02S	WCMW-02S	WCMW-02S	WCMW-02S	WCMW-02I	WCMW-02I	WCMW-02D	DUP-24 Q3	WCMW-02D
Start Depth		3	3	3	3	34.5	34.5	62	62	62
End Depth		13	13	13	13	44.5	44.5	72	72	72
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/20/2012	12/13/2012	3/25/2013	5/30/2013	9/20/2012	5/30/2013	9/20/2012	9/20/2012	12/13/2012
Parent Sample Code								WCMW-02D		
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	5 U	5 U	NA
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Isopropyl benzene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	5 U	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	5 U	5 U	NA
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	2 U	2 U	NA
Naphthalene	10*	3	NA	NA	NA	1 U	NA	1	1	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	500 U	500 U	NA
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Styrene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	10 U	10 U	NA
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	1 U	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	19	19	24	29	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	4 J	3 J	8.4 J	12	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	4 J	3 J	4.6 J	5 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	1 J	2 J	3 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	4 J	3 J	2.2 J	4 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1 J	10 U	10 U	10 U	1 J	10 U	1 J	10 U	10 U
Phenanthrene	50*	22	18	24	27	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	2 J	2 J	2.3 J	4 J	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	58	49	67.5	84	1	ND	1	ND	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA



Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-02D	WCMW-02D	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I
Start Depth		62	62	1.6	1.6	1.6	1.6	19	19	19
End Depth		72	72	11.6	11.6	11.6	11.6	24	24	24
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/25/2013	5/30/2013	9/26/2012	12/10/2012	3/26/2013	6/11/2013	9/26/2012	12/10/2012	3/26/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	12	5	6
o-Xylene	5	NA	NA	1 U	NA	NA	NA	7	NA	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	5	NA	NA
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	NA	12	11
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	24	17	17
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	5	NA	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	3	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-02D	WCMW-02D	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I
Start Depth		62	62	1.6	1.6	1.6	1.6	19	19	19
End Depth		72	72	11.6	11.6	11.6	11.6	24	24	24
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/25/2013	5/30/2013	9/26/2012	12/10/2012	3/26/2013	6/11/2013	9/26/2012	12/10/2012	3/26/2013
Parent Sample Code										
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	3	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	36	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Styrene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	34	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	22	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	7 J	5 J	18	11	110 D	120 D	200 D
Acenaphthylene	NE	10 U	10 U	10 U	10 U	1 J	1 J	6 J	7 J	11
Anthracene	50*	10 U	10 U	4 J	4 J	2 J	10 U	8 J	10	11
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	1 J	1 J	10 U	2 J	2 J	10 U
Fluorene	50*	10 U	10 U	1 J	1 J	4 J	10 U	11	5 J	5 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	12	3 J	7 J
Phenanthrene	50*	10 U	10 U	9 J	8 J	8 J	10 U	47	49	62
Pyrene	50*	10 U	10 U	1 J	1 J	1 J	10 U	2 J	3 J	3 J
Total PAH (17) (ND=0)	NE	ND	ND	22	20	35	12	198	199	299
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-041	WCMW-042	WCMW-042	WCMW-042	WCMW-042	WCMW-05S	WCMW-05S	WCMW-05S	WCMW-05S
Start Depth		19	29.85	29.85	29.85	29.85	1.15	1.15	1.15	1.15
End Depth		24	34.85	34.85	34.85	34.85	11.15	11.15	11.15	11.15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/11/2013	9/26/2012	12/10/2012	3/26/2013	6/11/2013	9/24/2012	12/10/2012	3/27/2013	6/3/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	8	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U
o-Xylene	5	NA	3	NA	NA	NA	1 U	NA	NA	NA
m/p-Xylene	5	NA	1	NA	NA	NA	1 U	NA	NA	NA
Total Xylene	5	8	NA	2	1 U	3	NA	1 U	1 U	1 U
Total BTEX (ND=0)	NE	16	4	2	ND	3	ND	ND	2	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Acetone	50*	NA	1 J	NA	NA	NA	5 U	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromoform	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Bromomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloroform	7	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chloromethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
Ethanol	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-041	WCMW-042	WCMW-042	WCMW-042	WCMW-042	WCMW-05S	WCMW-05S	WCMW-05S	WCMW-05S
Start Depth		19	29.85	29.85	29.85	29.85	1.15	1.15	1.15	1.15
End Depth		24	34.85	34.85	34.85	34.85	11.15	11.15	11.15	11.15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/11/2013	9/26/2012	12/10/2012	3/26/2013	6/11/2013	9/24/2012	12/10/2012	3/27/2013	6/3/2013
Parent Sample Code										
2-Hexanone	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Iodomethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Isopropyl benzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	5 U	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	2 U	NA	NA	NA
Naphthalene	10*	NA	5	NA	NA	NA	3	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	500 U	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Styrene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1	NA	NA	NA	3	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	2	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	10 U	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	1 U	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	180 D	8 J	5 J	2 J	5 J	50	37	65	29
Acenaphthylene	NE	12	8 J	14	5 J	25	1 J	1 J	2 J	3 J
Anthracene	50*	11	5 J	7 J	4 J	6 J	2 J	10 U	2 J	1 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	3 J	1 J	2 J	1 J	2 J	10 U	10 U	10 U	10 U
Fluorene	50*	11	7 J	9 J	6 J	10	10	7 J	15	7 J
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	18	2 J	2 J	10 U	4 J	2 J	10 U	1 J	2 J
Phenanthrene	50*	68	40	61	21	41	11	4 J	12	7 J
Pyrene	50*	3 J	2 J	2 J	2 J	2 J	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	306	73	102	41	95	76	49	97	49
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	26300	NA	NA	20700



Table 4-16
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-051	WCMW-051	WCMW-051	WCMW-051	WCMW-0512	WCMW-0512	WCMW-0512	WCMW-0512	WCMW-06S
Start Depth		19.61	19.61	19.61	19.61	29.46	29.46	29.46	29.46	2
End Depth		24.61	24.61	24.61	24.61	34.46	34.46	34.46	34.46	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/24/2012	12/10/2012	3/27/2013	6/3/2013	9/25/2012	12/10/2012	3/27/2013	6/3/2013	9/24/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	3	3	2	4	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	3	NA	NA	NA	1 U	NA	NA	NA	1 U
m/p-Xylene	5	2	NA	NA	NA	1 U	NA	NA	NA	1 U
Total Xylene	5	NA	5	3	4	NA	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	8	8	5	8	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	1 J	NA	NA	NA	5 U	NA	NA	NA	1 J
Acrylonitrile	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-051	WCMW-051	WCMW-051	WCMW-051	WCMW-0512	WCMW-0512	WCMW-0512	WCMW-0512	WCMW-06S
Start Depth		19.61	19.61	19.61	19.61	29.46	29.46	29.46	29.46	2
End Depth		24.61	24.61	24.61	24.61	34.46	34.46	34.46	34.46	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/24/2012	12/10/2012	3/27/2013	6/3/2013	9/25/2012	12/10/2012	3/27/2013	6/3/2013	9/24/2012
Parent Sample Code										
2-Hexanone	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	2	NA	NA	NA	1 U	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	80	NA	NA	NA	95	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	NA	NA	4	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	16	NA	NA	NA	7	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	6	NA	NA	NA	3	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	17	13	13	18	7 J	16	12	21	10 U
Acenaphthylene	NE	38	34	36	40	38	94 D	59	130 D	10 U
Anthracene	50*	10	8 J	9 J	11	4 J	8 J	9 J	11	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	1 J	2 J	10 U	2 J	2 J	2 J	10 U
Fluorene	50*	20	14	14	18	18	39	36	53	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	13	14	12	13	8 J	10 U	1 J	30	10 U
Naphthalene	10*	24	20	34	65	14	1 J	2 J	39	10 U
Phenanthrene	50*	51	40	41	59	22	36	49	61	10 U
Pyrene	50*	2 J	2 J	2 J	3 J	1 J	3 J	3 J	3 J	10 U
Total PAH (17) (ND=0)	NE	177	147	162	229	112	199	173	350	ND
Other (µg/L)										
Sulfate	250000	5000 U	NA	NA	9730	14000	NA	NA	16300	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-06S	WCMW-06I	WCMW-06I	WCMW-06I2	WCMW-06I2	DUP-20 Q2	WCMW-08S	WCMW-08I	WCMW-08I2
Start Depth		2	19.55	19.55	29.83	29.83	29.83	4.20	19.20	19.20
End Depth		12	24.55	24.55	34.83	34.83	34.83	19.20	24.20	24.20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/12/2013	9/24/2012	6/12/2013	9/24/2012	6/12/2013	6/12/2013	6/11/2013	6/11/2013	6/11/2013
Parent Sample Code						WCMW-06I2				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Acetone	50*	NA	5 U	NA	5 U	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	NA	NA	NA	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	NA	NA	NA	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-06S	WCMW-06I	WCMW-06I	WCMW-06I2	WCMW-06I2	DUP-20 Q2	WCMW-08S	WCMW-08I	WCMW-08I2
Start Depth		2	19.55	19.55	29.83	29.83	29.83	4.20	19.20	19.20
End Depth		12	24.55	24.55	34.83	34.83	34.83	19.20	24.20	24.20
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/12/2013	9/24/2012	6/12/2013	9/24/2012	6/12/2013	6/12/2013	6/11/2013	6/11/2013	6/11/2013
Parent Sample Code							WCMW-06I2			
2-Hexanone	50*	NA	5 U	NA	5 U	NA	NA	NA	NA	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	1 J	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	NA	NA	NA	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	NA	NA
Naphthalene	10*	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Tetrahydrofuran	50*	NA	3 J	NA	2 J	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	NA	NA	NA	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA



Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-19 Q2	WCMW-10S	WCMW-10S	WCMW-10S	DUP-22 Q2	WCMW-10D	WCMW-10D	WCMW-10D	WCMW-11S
Start Depth		19.20	15	15	15	15	40	40	40	5
End Depth		24.20	20	20	20	20	50	50	50	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/11/2013	12/14/2012	3/26/2013	6/14/2013	6/14/2013	12/21/2012	3/26/2013	6/12/2013	9/13/2012
Parent Sample Code		WCMW-0812				WCMW-10S				
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8
o-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	2
m/p-Xylene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	10
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	NA	NA	NA	NA	8
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	NA	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	NA	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	NA	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	NA	NA	NA	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		DUP-19 Q2	WCMW-10S	WCMW-10S	WCMW-10S	DUP-22 Q2	WCMW-10D	WCMW-10D	WCMW-10D	WCMW-11S
Start Depth		19.20	15	15	15	15	40	40	40	5
End Depth		24.20	20	20	20	20	50	50	50	15
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/11/2013	12/14/2012	3/26/2013	6/14/2013	6/14/2013	12/21/2012	3/26/2013	6/12/2013	9/13/2012
Parent Sample Code		WCMW-08I2				WCMW-10S				
2-Hexanone	50*	NA	NA	NA	NA	NA	NA	NA	5 U	
Iodomethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	
Isopropyl benzene	5	NA	NA	NA	NA	NA	NA	NA	3	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	NA	NA	NA	5 U	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	NA	NA	NA	10 U	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	NA	NA	NA	5 U	
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	2 U	
Naphthalene	10*	NA	NA	NA	NA	NA	NA	NA	290 D	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	NA	NA	NA	500 U	
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	1	
Styrene	5	NA	NA	NA	NA	NA	NA	NA	1 U	
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	
Tetrahydrofuran	50*	NA	NA	NA	NA	NA	NA	NA	10 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	NA	NA	NA	10 U	
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	1 U	
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	1 U	
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	1 U	
Trichloroethene (TCE)	5	NA	NA	NA	NA	NA	NA	NA	1 U	
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	NA	NA	NA	1 U	
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	1 U	
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	11	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	NA	NA	NA	3	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	NA	NA	NA	10 U	
Vinyl acetate	NE	NA	NA	NA	NA	NA	NA	NA	1 U	
Vinyl chloride	2	NA	NA	NA	NA	NA	NA	NA	1 U	
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 D	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	
Total PAH (17) (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	266	
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	59900 D	

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-11S	WCMW-11S	WCMW-11I	WCMW-11I	WCMW-11I	WCMW-11D	WCMW-11D	WCMW-12S	WCMW-12S
Start Depth		5	5	25	25	25	50	50	3	3
End Depth		15	15	35	35	35	60	60	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/21/2013	6/19/2013	9/13/2012	3/21/2013	6/19/2013	9/13/2012	6/19/2013	9/26/2012	6/12/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
m/p-Xylene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Total Xylene	5	2	1 U	NA	1 U	1 U	NA	1 U	NA	1 U
Total BTEX (ND=0)	NE	6	2	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Acetone	50*	NA	NA	3 J	NA	NA	5 U	NA	5 U	NA
Acrylonitrile	5	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Bromochloromethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromoform	50*	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Bromomethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Carbon disulfide	60*	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chlorobenzene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chloroform	7	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chloromethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Chlorotoluene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Cyclohexane	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	500 U	NA	500 U	NA
Ethanol	NE	NA	NA	500 U	NA	NA	500 U	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Val	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-11S	WCMW-11S	WCMW-11I	WCMW-11I	WCMW-11I	WCMW-11D	WCMW-11D	WCMW-12S	WCMW-12S
Start Depth		5	5	25	25	25	50	50	3	3
End Depth		15	15	35	35	35	60	60	13	13
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/21/2013	6/19/2013	9/13/2012	3/21/2013	6/19/2013	9/13/2012	6/19/2013	9/26/2012	6/12/2013
Parent Sample Code										
2-Hexanone	50*	NA	NA	5 U	NA	NA	5 U	NA	5 U	NA
Iodomethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Isopropyl benzene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	5 U	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	5 U	NA	5 U	NA
Methylene chloride	5	NA	NA	2 U	NA	NA	2 U	NA	2 U	NA
Naphthalene	10*	NA	NA	140 D	NA	NA	1 U	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	500 U	NA	500 U	NA
n-Propylbenzene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Styrene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	6	NA	NA	1 U	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	4	NA	NA	1 U	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	10 U	NA	10 U	NA
Vinyl acetate	NE	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
Vinyl chloride	2	NA	NA	1 U	NA	NA	1 U	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	24	12	58	6 J	4 J	10 U	10 U	4 J	1 J
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Anthracene	50*	1 J	1 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	8 J	5 J	53	9 J	4 J	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	12	4 J	27	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	74	28	68	7 J	3 J	10 U	10 U	10 U	10 U
Phenanthrene	50*	10	6 J	110 D	51	14	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	129	56	318	73	25	ND	ND	5	1
Other (µg/L)										
Sulfate	250000	NA	55700 D	47800 D	NA	74000 D	52200 D	44200 D	NA	NA



Table 4-16
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-12I	WCMW-12I	WCMW-12D	WCMW-12D	WCMW-13S	WCMW-13S	WCMW-13S	WCMW-13S	WCMW-13I
Start Depth		25	25	67	67	3	3	3	3	25
End Depth		30	30	72	72	13	13	13	13	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/26/2012	6/12/2013	9/26/2012	6/12/2013	9/26/2012	12/12/2012	3/28/2013	6/3/2013	9/26/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	2	6	1 U	1 U	1 U
o-Xylene	5	1 U	NA	1 U	NA	6	NA	NA	NA	1 U
m/p-Xylene	5	1 U	NA	1 U	NA	2	NA	NA	NA	1 U
Total Xylene	5	NA	1 U	NA	1 U	NA	6	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	10	12	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Acetone	50*	8	NA	5 U	NA	5 U	NA	NA	NA	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	1 U	NA	1	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloroform	7	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	1	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-12I	WCMW-12I	WCMW-12D	WCMW-12D	WCMW-13S	WCMW-13S	WCMW-13S	WCMW-13S	WCMW-13I
Start Depth		25	25	67	67	3	3	3	3	25
End Depth		30	30	72	72	13	13	13	13	30
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/26/2012	6/12/2013	9/26/2012	6/12/2013	9/26/2012	12/12/2012	3/28/2013	6/3/2013	9/26/2012
Parent Sample Code										
2-Hexanone	50*	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	1 U	NA	1 U	NA	5	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	1 U	NA	3	NA	14	NA	NA	NA	1
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Styrene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	1 U	NA	20	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	1 U	NA	2	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	5 J	1 J	10 U	62	40	1 J	10 U	10 U
Acenaphthylene	NE	10 U	17	10 U	10 U	21	19	10 U	10 U	10 U
Anthracene	50*	10 U	3 J	10 U	10 U	9 J	9 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	2 J	3 J	10 U	10 U	10 U
Fluorene	50*	10 U	27	10 U	10 U	3 J	4 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	1 J	10 U	4 J	3 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	36	10 U	10 U	53	60	1 J	10 U	10 U
Pyrene	50*	10 U	1 J	10 U	10 U	2 J	3 J	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	89	2	ND	156	141	2	ND	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA



Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-13I	WCMW-13D	WCMW-13D	WCMW-14S	WCMW-14S	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I
Start Depth		25	65	65	2	2	2	2	20	20
End Depth		30	70	70	12	12	12	12	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/3/2013	9/26/2012	6/3/2013	9/21/2012	12/14/2012	3/26/2013	6/6/2013	9/21/2012	12/14/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1	NA
m/p-Xylene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	NA	1 U	1 U	1 U	NA	2.5
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	1	2.5
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-13I	WCMW-13D	WCMW-13D	WCMW-14S	WCMW-14S	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I
Start Depth		25	65	65	2	2	2	2	20	20
End Depth		30	70	70	12	12	12	12	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/3/2013	9/26/2012	6/3/2013	9/21/2012	12/14/2012	3/26/2013	6/6/2013	9/21/2012	12/14/2012
Parent Sample Code										
2-Hexanone	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	1	NA	NA	NA	9	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1	NA
Tetrahydrofuran	50*	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	1 U	NA	NA	NA	5	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	1 U	NA	NA	NA	1	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	31	29	7 J	32	23	14
Acenaphthylene	NE	10 U	10 U	10 U	4 J	12	5 J	4 J	95 D	49
Anthracene	50*	10 U	10 U	10 U	9 J	7 J	7 J	7 J	6 J	8 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	2 J	2 J	2 J	2 J	1 J	1 J
Fluorene	50*	10 U	10 U	10 U	2 J	3 J	2 J	2 J	43	33
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	3 J
Phenanthrene	50*	10 U	10 U	10 U	39	26	33	31	55	54
Pyrene	50*	10 U	10 U	10 U	3 J	2 J	2 J	3 J	1 J	2 J
Total PAH (17) (ND=0)	NE	ND	ND	ND	90	81	58	81	231	165
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-14I	WCMW-14I	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-14D	WCMW-19S	WCMW-19S	WCMW-19I
Start Depth		20	20	30	30	67	67	2	2	20
End Depth		25	25	35	35	72	72	12	12	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/26/2013	6/6/2013	9/24/2012	6/6/2013	9/24/2012	6/6/2013	9/26/2012	6/13/2013	9/26/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
m/p-Xylene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Total Xylene	5	1	1 U	NA	1 U	NA	1 U	NA	1 U	NA
Total BTEX (ND=0)	NE	1	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Acetone	50*	NA	NA	5 U	NA	5	NA	5 U	NA	5 U
Acrylonitrile	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloroform	7	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-14I	WCMW-14I	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-14D	WCMW-19S	WCMW-19S	WCMW-19I
Start Depth		20	20	30	30	67	67	2	2	20
End Depth		25	25	35	35	72	72	12	12	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/26/2013	6/6/2013	9/24/2012	6/6/2013	9/24/2012	6/6/2013	9/26/2012	6/13/2013	9/26/2012
Parent Sample Code										
2-Hexanone	50*	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Iodomethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Isopropyl benzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	2 J	NA	5 U	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	1 J	NA	10 U	NA	10 U	NA	10 U
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U
Methylene chloride	5	NA	NA	2 U	NA	2 U	NA	2 U	NA	2 U
Naphthalene	10*	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	500 U	NA	500 U	NA	500 U
n-Propylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Styrene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Tetrahydrofuran	50*	NA	NA	10 U	NA	54	NA	10 U	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichloroethene (TCE)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Vinyl acetate	NE	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
Vinyl chloride	2	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	15	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	53	64	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	6 J	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	1 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	18	13	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	53	62	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	149	167	6	ND	ND	ND	ND	ND	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-19I	WCMW-19I2	WCMW-19I2	WCMW-22S	WCMW-22I	WCMW-23S	WCMW-23I	WCMW-25I	WCMW-25I
Start Depth		20	30	30	2	25	2	25	30	30
End Depth		25	35	35	12	30	12	30	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/13/2013	9/26/2012	6/13/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	9/26/2012	5/31/2013
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
m/p-Xylene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Total Xylene	5	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Acetone	50*	NA	5 U	NA	NA	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Bromoform	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Bromomethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chloroform	7	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chloromethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA
Ethanol	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-19I	WCMW-19I2	WCMW-19I2	WCMW-22S	WCMW-22I	WCMW-23S	WCMW-23I	WCMW-25I	WCMW-25I
Start Depth		20	30	30	2	25	2	25	30	30
End Depth		25	35	35	12	30	12	30	35	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		6/13/2013	9/26/2012	6/13/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	9/26/2012	5/31/2013
Parent Sample Code										
2-Hexanone	50*	NA	5 U	NA	NA	NA	NA	NA	5 U	NA
Iodomethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	5 U	NA	NA	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	5 U	NA	NA	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	2 U	NA	NA	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	500 U	NA	NA	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Styrene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	7 J	10 U	5 J	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	3 J	10 U	1 J	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	7 J	10 U	3 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	16	10 U	3 J	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)	NE	ND	ND	ND	37	ND	17	ND	ND	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	38000	27600

Table 4-16
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		WCMW-25D	WCMW-25D	WCMW-26S	WCMW-26S	DUP-11 Q1	WCMW-26S	WCMW-26I	WCMW-26I	WCMW-26I
Start Depth		55	55	2	2	2	2	20	20	20
End Depth		60	60	12	12	12	12	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/28/2012	5/31/2013	9/14/2012	3/21/2013	3/21/2013	6/19/2013	9/14/2012	3/21/2013	6/19/2013
Parent Sample Code					WCMW-26S					
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	46	4	4	3	1 U	1 U	1 U
o-Xylene	5	1 U	NA	19	NA	NA	NA	1 U	NA	NA
m/p-Xylene	5	1 U	NA	2	NA	NA	NA	1 U	NA	NA
Total Xylene	5	NA	1 U	NA	3	3	1	NA	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	67	7	7	4	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Acetone	50*	5 U	NA	1 J	NA	NA	NA	5 U	NA	NA
Acrylonitrile	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Bromochloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromoform	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Bromomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Carbon disulfide	60*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorobenzene	5	1 U	NA	3	NA	NA	NA	1 U	NA	NA
Chloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloroform	7	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chloromethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Chlorotoluene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Cyclohexane	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichlorobenzene	3	1	NA	2	NA	NA	NA	1 U	NA	NA
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dichlorobenzene	3	1 U	NA	2	NA	NA	NA	1 U	NA	NA
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,4-Dioxane	NE	500 U	NA	500 U	NA	NA	NA	500 U	NA	NA
Ethanol	NE	500 U	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA

Table 4-16
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Val	Red. Val.	Red. Val.	Val	Red. Val.
Sample Name		WCMW-25D	WCMW-25D	WCMW-26S	WCMW-26S	DUP-11 Q1	WCMW-26S	WCMW-26I	WCMW-26I	WCMW-26I
Start Depth		55	55	2	2	2	2	20	20	20
End Depth		60	60	12	12	12	12	25	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/28/2012	5/31/2013	9/14/2012	3/21/2013	3/21/2013	6/19/2013	9/14/2012	3/21/2013	6/19/2013
Parent Sample Code						WCMW-26S				
2-Hexanone	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	NA
Iodomethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Isopropyl benzene	5	1 U	NA	5	NA	NA	NA	1 U	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	NA	5 U	NA	NA
Methyl tert-butyl ether (MTBE)	10*	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	NA	5 U	NA	NA
Methylene chloride	5	2 U	NA	2 U	NA	NA	NA	2 U	NA	NA
Naphthalene	10*	1 U	NA	320 D	NA	NA	NA	1 U	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	NA	NA	500 U	NA	NA
n-Propylbenzene	5	1 U	NA	3	NA	NA	NA	1 U	NA	NA
Styrene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Tetrahydrofuran	50*	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
1,2,4-Trimethylbenzene	5	1 U	NA	29	NA	NA	NA	1 U	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	11	NA	NA	NA	1 U	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	NA	10 U	NA	NA
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
Vinyl chloride	2	1 U	NA	1 U	NA	NA	NA	1 U	NA	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	71 D	87	84	83 D	3 J	17	36
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J	5 J
Anthracene	50*	10 U	10 U	6 J	6 J	6 J	8 J	1 J	2 J	4 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	1 J	1 J	2 J	2 J	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	33	34	34	35	2 J	31	19
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	18	11	12	4 J	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	120 D	34	38	6 J	10 U	10 U	7 J
Phenanthrene	50*	10 U	10 U	40	42	43	50	5 J	34	39
Pyrene	50*	10 U	10 U	1 J	2 J	2 J	2 J	10 U	1 J	1 J
Total PAH (17) (ND=0)	NE	ND	ND	290	217	221	190	12	86	111
Other (µg/L)										
Sulfate	250000	99400 D	86200 D	NA	NA	NA	NA	NA	NA	NA

Table 4-16
Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-26I2	WCMW-26I2	WCMW-29S	WCMW-29S	WCMW-29S	WCMW-29I	WCMW-29I	WCMW-30S	DUP-25 Q3
Start Depth		30	30	2	2	2	20	20	2	2
End Depth		35	35	12	12	12	25	25	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/13/2012	6/19/2013	9/13/2012	3/21/2013	6/19/2013	9/13/2012	6/19/2013	9/25/2012	9/25/2012
Parent Sample Code										WCMW-30S
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	2	1	3	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	41	110	130	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	NA	8	NA	NA	1 U	NA	1 U	1 U
m/p-Xylene	5	1 U	NA	3	NA	NA	1 U	NA	1 U	1 U
Total Xylene	5	NA	1 U	NA	43	48	NA	1 U	NA	NA
Total BTEX (ND=0)	NE	ND	ND	54	154	182	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Acetone	50*	5 U	NA	9	NA	NA	5 U	NA	5 U	5 U
Acrylonitrile	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Allyl chloride (3-Chloropropene)	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Bromochloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Bromodichloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Bromoform	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Bromomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,3-Butadiene	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Carbon disulfide	60*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Carbon tetrachloride	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Chlorobenzene	5	1 U	NA	2	NA	NA	1 U	NA	1 U	1 U
Chloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
2-Chloroethyl vinyl ether	NE	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Chloroform	7	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Chloromethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Chlorotoluene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Cryofluorane (Freon-114)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Cyclohexane	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
1,2-Dibromo-3-chloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Dibromochloromethane	50*	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2-Dibromoethane (EDB)	0.0006	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
trans-1,4-dichloro-2-butene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,3-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,4-Dichlorobenzene	3	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Dichlorodifluoromethane (Freon 12)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1-Dichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2-Dichloroethane	0.6	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1-Dichloroethene	0.07	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2-Dichloropropane	1	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
cis-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
trans-1,3-Dichloropropene	0.4	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,4-Dioxane	NE	500 U	NA	500 U	NA	NA	500 U	NA	500 U	500 U
Ethanol	NE	500 U	NA	500 U	NA	NA	500 U	NA	500 U	500 U
n-Heptane (C7)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Hexachlorobutadiene	0.5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
n-Hexane (C6)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U

Table 4-16
Summary of Expanded Groundwater Analytical Results
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Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Val	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-26I2	WCMW-26I2	WCMW-29S	WCMW-29S	WCMW-29S	WCMW-29I	WCMW-29I	WCMW-30S	DUP-25 Q3
Start Depth		30	30	2	2	2	20	20	2	2
End Depth		35	35	12	12	12	25	25	12	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		9/13/2012	6/19/2013	9/13/2012	3/21/2013	6/19/2013	9/13/2012	6/19/2013	9/25/2012	9/25/2012
Parent Sample Code										WCMW-30S
2-Hexanone	50*	5 U	NA	5 U	NA	NA	5 U	NA	5 U	5 U
Iodomethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Isopropyl benzene	5	1 U	NA	12	NA	NA	1 U	NA	1 U	1 U
Methyl ethyl ketone (2-Butanone)	50*	5 U	NA	5 U	NA	NA	5 U	NA	5 U	5 U
Methyl tert-butyl ether (MTBE)	10*	1 J	NA	10 U	NA	NA	10 U	NA	10 U	10 U
4-Methyl-2-pentanone (MIBK)	NE	5 U	NA	5 U	NA	NA	5 U	NA	5 U	5 U
Methylene chloride	5	2 U	NA	2 U	NA	NA	2 U	NA	2 U	2 U
Naphthalene	10*	3	NA	1800 D	NA	NA	7	NA	1 U	1 U
2-Propanol (Isopropyl Alcohol)	NE	500 U	NA	500 U	NA	NA	500 U	NA	500 U	500 U
n-Propylbenzene	5	1 U	NA	5	NA	NA	1 U	NA	1 U	1 U
Styrene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1,1,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Tetrachloroethene (PCE)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Tetrahydrofuran	50*	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
1,2,4-Trichlorobenzene	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1,1-Trichloroethane	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,1,2-Trichloroethane	1	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Trichloroethene (TCE)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Trichlorofluoromethane (Freon 11)	5	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	NA	87	NA	NA	1 U	NA	1 U	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	1 U	NA	30	NA	NA	1 U	NA	1 U	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	10 U	NA	10 U	NA	NA	10 U	NA	10 U	10 U
Vinyl acetate	NE	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
Vinyl chloride	2	1 U	NA	1 U	NA	NA	1 U	NA	1 U	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	2 J	42	44	50	9 J	25	3 J	2 J
Acenaphthylene	NE	10 U	10 U	2 J	10 U	10 U	2 J	6 J	10 U	10 U
Anthracene	50*	10 U	10 U	3 J	2 J	2 J	10 U	3 J	4 J	4 J
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Fluorene	50*	10 U	10 U	38	38	41	3 J	5 J	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	370 DJ	310 J	290 DJ	10 U	10 U	10 U	10 U
Naphthalene	10*	3 J	10 U	1500 D	1700	1200 D	5 J	4 J	10 U	10 U
Phenanthrene	50*	10 U	10 U	31	29	32	5 J	17	7 J	5 J
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Total PAH (17) (ND=0)	NE	3	2	1986	2123	1615	24	60	18	15
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-30S	WCMW-30S	DUP-14 Q1	WCMW-30S	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-30I2
Start Depth		2	2	2	2	20	20	20	20	30
End Depth		12	12	12	12	25	25	25	25	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/14/2012	3/27/2013	3/27/2013	6/3/2013	9/25/2012	12/14/2012	3/27/2013	6/3/2013	9/24/2012
Parent Sample Code				WCMW-30S						
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	11	11	5	9	1 U
o-Xylene	5	NA	NA	NA	NA	11	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	NA	NA	4	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	1 U	1 U	NA	19	9	12	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	26	30	14	21	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Acetone	50*	NA	NA	NA	NA	3 J	NA	NA	NA	5 U
Acrylonitrile	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromoform	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Bromomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chloromethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	1	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
Ethanol	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-30S	WCMW-30S	DUP-14 Q1	WCMW-30S	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-30I2
Start Depth		2	2	2	2	20	20	20	20	30
End Depth		12	12	12	12	25	25	25	25	35
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/14/2012	3/27/2013	3/27/2013	6/3/2013	9/25/2012	12/14/2012	3/27/2013	6/3/2013	9/24/2012
Parent Sample Code			WCMW-30S							
2-Hexanone	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Iodomethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Isopropyl benzene	5	NA	NA	NA	NA	5	NA	NA	NA	1 U
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	NA	10 U	NA	NA	NA	1 J
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	NA	5 U	NA	NA	NA	5 U
Methylene chloride	5	NA	NA	NA	NA	2 U	NA	NA	NA	2 U
Naphthalene	10*	NA	NA	NA	NA	500 D	NA	NA	NA	1 U
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	NA	500 U	NA	NA	NA	500 U
n-Propylbenzene	5	NA	NA	NA	NA	2	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrachloroethene (PCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Tetrahydrofuran	50*	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,1,2-Trichloroethane	1	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichloroethene (TCE)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	39	NA	NA	NA	1 U
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	NA	27	NA	NA	NA	1 U
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	NA	10 U	NA	NA	NA	10 U
Vinyl acetate	NE	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
Vinyl chloride	2	NA	NA	NA	NA	1 U	NA	NA	NA	1 U
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	10 U	10 U	10 U	3 J	200 D	190 D	130 D	200 D	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	11	10	7 J	9 J	10 U
Anthracene	50*	2 J	2 J	3 J	2 J	11	10	13	12	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	55	41	45	56	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	19	7 J	3 J	7 J	10 U
Naphthalene	10*	10 U	10 U	10 U	6 J	270 D	260 D	77	230 D	10 U
Phenanthrene	50*	2 J	10 U	10 U	10 U	84 DJ	63	94 D	83 DJ	1 J
Pyrene	50*	2 J	3 J	3 J	3 J	2 J	2 J	2 J	3 J	10 U
Total PAH (17) (ND=0)	NE	8	7	8	16	654	585	373	602	1
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-30I2	WCMW-30I2	WCMW-30I2	WCMW-31S	WCMW-31S	WCMW-31S	WCMW-31S	WCMW-31I	WCMW-31I
Start Depth		30	30	30	2	2	2	2	20	20
End Depth		35	35	35	12	12	12	12	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/14/2012	3/27/2013	6/3/2013	9/27/2012	12/21/2012	3/29/2013	6/13/2013	9/27/2012	12/21/2012
Parent Sample Code										
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	
o-Xylene	5	NA	NA	NA	1 U	NA	NA	1 U	NA	
m/p-Xylene	5	NA	NA	NA	1 U	NA	NA	1 U	NA	
Total Xylene	5	1 U	1 U	1 U	NA	2	2	1 U	NA	1 U
Total BTEX (ND=0)	NE	ND	ND	ND	ND	2	4	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Acetone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Acrylonitrile	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Bromochloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromodichloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromoform	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Bromomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Butadiene	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Carbon disulfide	60*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Carbon tetrachloride	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloroform	7	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chloromethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Chlorotoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Cyclohexane	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dibromochloromethane	50*	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dichlorobenzene	3	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1-Dichloroethene	0.07	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,2-Dichloroethene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2-Dichloropropane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,4-Dioxane	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
Ethanol	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Heptane (C7)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Hexachlorobutadiene	0.5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
n-Hexane (C6)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 2012/2013 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-30I2	WCMW-30I2	WCMW-30I2	WCMW-31S	WCMW-31S	WCMW-31S	WCMW-31S	WCMW-31I	WCMW-31I
Start Depth		30	30	30	2	2	2	2	20	20
End Depth		35	35	35	12	12	12	12	25	25
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		12/14/2012	3/27/2013	6/3/2013	9/27/2012	12/21/2012	3/29/2013	6/13/2013	9/27/2012	12/21/2012
Parent Sample Code										
2-Hexanone	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Iodomethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Isopropyl benzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA	5 U	NA	NA	NA	5 U	NA
Methylene chloride	5	NA	NA	NA	2 U	NA	NA	NA	2 U	NA
Naphthalene	10*	NA	NA	NA	8	NA	NA	NA	1 U	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA	500 U	NA	NA	NA	500 U	NA
n-Propylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Styrene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene (PCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Tetrahydrofuran	50*	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,1-Trichloroethane	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,1,2-Trichloroethane	1	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichloroethene (TCE)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA	10 U	NA	NA	NA	10 U	NA
Vinyl acetate	NE	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
Vinyl chloride	2	NA	NA	NA	1 U	NA	NA	NA	1 U	NA
NYSDEC PAH17 (µg/L)										
Acenaphthene	20*	13	4 J	10 U	13	15	77	68	10 U	10 U
Acenaphthylene	NE	29	11	10 U	10 U	10 U	5 J	4 J	10 U	10 U
Anthracene	50*	3 J	2 J	10 U	7 J	4 J	12	9 J	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	4 J	2 J	4 J	3 J	4 J	10 U
Fluorene	50*	14	4 J	10 U	5 J	3 J	32	26	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	7 J	3 J	10 U	10 U	10 U	5 J	1 J	10 U	10 U
Naphthalene	10*	14	10	10 U	10 U	10 U	37	31	10 U	10 U
Phenanthrene	50*	27	12	10 U	20	8 J	64	53	2 J	10 U
Pyrene	50*	1 J	10 U	10 U	4 J	3 J	5 J	4 J	3 J	10 U
Total PAH (17) (ND=0)	NE	108	46	ND	53	35	241	199	9	ND
Other (µg/L)										
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
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 Operable Unit No. 4 (OU-4)

Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-311	WCMW-311	WCMW-312	WCMW-312	WCMW-312	DUP-16 Q1	WCMW-312	DUP-21 Q2	WCMW-32S
Start Depth		20	20	30	30	30	30	30	30	2
End Depth		25	25	35	35	35	35	35	35	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/29/2013	6/13/2013	9/27/2012	12/21/2012	3/29/2013	3/29/2013	6/13/2013	6/13/2013	9/26/2012
Parent Sample Code							WCMW-312		WCMW-312	
BTEX (µg/L)										
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
m/p-Xylene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Total Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (µg/L)										
Acetaldehyde	8*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Acetone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	2 J
Acrylonitrile	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Allyl chloride (3-Chloropropene)	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Bromochloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromodichloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromoform	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Bromomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,3-Butadiene	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Carbon disulfide	60*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Carbon tetrachloride	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
2-Chloroethyl vinyl ether	NE	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chloromethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Chlorotoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Cryofluorane (Freon-114)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Cyclohexane	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50*	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane (EDB)	0.0006	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,4-dichloro-2-butene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethene	0.07	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
cis-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,2-Dichloroethene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,2-Dichloropropane	1	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
trans-1,3-Dichloropropene	0.4	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
1,4-Dioxane	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U
Ethanol	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U
n-Heptane (C7)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Hexachlorobutadiene	0.5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U
n-Hexane (C6)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	Red. Val.	
Sample Name		WCMW-311	WCMW-311	WCMW-312	WCMW-312	WCMW-312	DUP-16 Q1	WCMW-312	DUP-21 Q2	WCMW-32S	
Start Depth		20	20	30	30	30	30	30	30	30	2
End Depth		25	25	35	35	35	35	35	35	35	12
Depth Unit		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date		3/29/2013	6/13/2013	9/27/2012	12/21/2012	3/29/2013	3/29/2013	3/29/2013	6/13/2013	6/13/2013	9/26/2012
Parent Sample Code							WCMW-312		WCMW-312		
2-Hexanone	50*	NA	NA	5 U	NA	NA	NA	NA	NA	5 U	
Iodomethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Isopropyl benzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	5 U	NA	NA	NA	NA	NA	5 U	
Methyl tert-butyl ether (MTBE)	10*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	5 U	NA	NA	NA	NA	NA	5 U	
Methylene chloride	5	NA	NA	2 U	NA	NA	NA	NA	NA	2 U	
Naphthalene	10*	NA	NA	1 U	NA	NA	NA	NA	NA	27	
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	500 U	NA	NA	NA	NA	NA	500 U	
n-Propylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Styrene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,1,2,2-Tetrachloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Tetrachloroethene (PCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Tetrahydrofuran	50*	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	
1,2,4-Trichlorobenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,1,1-Trichloroethane	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,1,2-Trichloroethane	1	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Trichloroethene (TCE)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Trichlorofluoromethane (Freon 11)	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,2,3-Trichloropropane	0.04	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
1,2,4-Trimethylbenzene	5	NA	NA	1 U	NA	NA	NA	NA	NA	2	
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	
Vinyl acetate	NE	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
Vinyl chloride	2	NA	NA	1 U	NA	NA	NA	NA	NA	1 U	
NYSDEC PAH17 (µg/L)											
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	56	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	4 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	5 J	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	18	
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	73	
Pyrene	50*	3 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	5 J	
Total PAH (17) (ND=0)	NE	7	10	ND	ND	ND	ND	ND	ND	189	
Other (µg/L)											
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-16
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-32S	WCMW-32S	WCMW-32S
Start Depth		2	2	2
End Depth		12	12	12
Depth Unit		ft	ft	ft
Sample Date		12/10/2012	3/28/2013	6/17/2013
Parent Sample Code				
BTEX (µg/L)				
Benzene	1	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U
o-Xylene	5	NA	NA	NA
m/p-Xylene	5	NA	NA	NA
Total Xylene	5	1 U	1 U	1 U
Total BTEX (ND=0)	NE	ND	ND	ND
Other VOCs (µg/L)				
Acetaldehyde	8*	NA	NA	NA
Acetone	50*	NA	NA	NA
Acrylonitrile	5	NA	NA	NA
Allyl chloride (3-Chloropropene)	5	NA	NA	NA
Bromochloromethane	5	NA	NA	NA
Bromodichloromethane	50*	NA	NA	NA
Bromoform	50*	NA	NA	NA
Bromomethane	5	NA	NA	NA
1,3-Butadiene	NE	NA	NA	NA
Carbon disulfide	60*	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA
Chlorobenzene	5	NA	NA	NA
Chloroethane	5	NA	NA	NA
2-Chloroethyl vinyl ether	NE	NA	NA	NA
Chloroform	7	NA	NA	NA
Chloromethane	5	NA	NA	NA
Chlorotoluene	5	NA	NA	NA
Cryofluorane (Freon-114)	NE	NA	NA	NA
Cyclohexane	NE	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA
Dibromochloromethane	50*	NA	NA	NA
1,2-Dibromoethane (EDB)	0.0006	NA	NA	NA
trans-1,4-dichloro-2-butene	5	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA
Dichlorodifluoromethane (Freon 12)	5	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA
1,1-Dichloroethene	0.07	NA	NA	NA
cis-1,2-Dichloroethene	5	NA	NA	NA
trans-1,2-Dichloroethene	5	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA
cis-1,3-Dichloropropene	0.4	NA	NA	NA
trans-1,3-Dichloropropene	0.4	NA	NA	NA
1,4-Dioxane	NE	NA	NA	NA
Ethanol	NE	NA	NA	NA
n-Heptane (C7)	NE	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA
n-Hexane (C6)	NE	NA	NA	NA

Table 4-16
 Summary of Expanded Groundwater Analytical Results
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Validation Level	NYS AWQS	Red. Val.	Red. Val.	Red. Val.
Sample Name		WCMW-32S	WCMW-32S	WCMW-32S
Start Depth		2	2	2
End Depth		12	12	12
Depth Unit		ft	ft	ft
Sample Date		12/10/2012	3/28/2013	6/17/2013
Parent Sample Code				
2-Hexanone	50*	NA	NA	NA
Iodomethane	5	NA	NA	NA
Isopropyl benzene	5	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	50*	NA	NA	NA
Methyl tert-butyl ether (MTBE)	10*	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NE	NA	NA	NA
Methylene chloride	5	NA	NA	NA
Naphthalene	10*	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	NE	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA
Styrene	5	NA	NA	NA
1,1,1,2-Tetrachloroethane	5	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA
Tetrachloroethene (PCE)	5	NA	NA	NA
Tetrahydrofuran	50*	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	NA	NA	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA
Trichloroethene (TCE)	5	NA	NA	NA
Trichlorofluoromethane (Freon 11)	5	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA
1,3,5-Trimethylbenzene/p-Ethyltoluene	5	NA	NA	NA
2,2,4-Trimethylpentane (iso-Octane)	NE	NA	NA	NA
Vinyl acetate	NE	NA	NA	NA
Vinyl chloride	2	NA	NA	NA
NYSDEC PAH17 (µg/L)				
Acenaphthene	20*	4 J	51	80
Acenaphthylene	NE	10 U	18	16
Anthracene	50*	10 U	16	15
Benzo(a)anthracene	0.002*	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U
Fluoranthene	50*	10 U	7 J	6 J
Fluorene	50*	10 U	21	23
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U
Naphthalene	10*	10 U	6 J	10
Phenanthrene	50*	10 U	120 D	110 D
Pyrene	50*	10 U	8 J	9 J
Total PAH (17) (ND=0)	NE	4	247	269
Other (µg/L)				
Sulfate	250000	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Section 4 Tables
Notes
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Notes:

Analytes in blue are not detected in any sample

µg/L - micrograms per liter or parts per billion (ppb)
BTEX - benzene, toluene, ethylbenzene, and xylenes (a subset of VOCs)
SVOCs - semivolatile organic compounds
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
BTEX and Total PAHs are calculated using detects only
Red. Val. - Reduced validation performed on 80% of samples

"0" indicates results were below detection limits, and "0" is used instead of "ND" for calculation purposes.

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.
During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump. In these cases, peristaltic pump results are shown in the table.

Some wells were sampled more than once during the quarter. Total BTEX and Total PAH concentrations reported represent the sample collected closest to the end of the quarter or most recent sample which were analyzed for both BTEX and PAHs.

-- not analyzed or not applicable
NE - not established
NA - not analyzed
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected concentration
Shading and bolding indicates that the detected concentration is above the NYS AWQS

Data qualifiers:

B - analyte detected in the associated method blank
D - results for dilution
E - Value above quantitation range
J - estimated value
N - indicates presumptive evidence of a compound
R - rejected
U - not detected to the reporting limit
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated