

Bay Shore/Brightwaters Former Manufactured Gas Plant Operable Unit 4

Update on Remediation Progress

Operable Unit 4 (OU-4) of the Bay Shore/Brightwaters former Manufactured Gas Plant (MGP) site is the area beginning several blocks east of the main production area to which treated waste water from the MGP operations was discharged into a cesspool that discharged to Watchogue Creek/Crum's Brook. OU-4 is made up of a number of unconnected parcels bounded approximately by Oak Street to the north and Union Boulevard to the south, and includes portions of the Town of Islip parking lot, as well as several nearby properties. It also includes the stream known as Watchogue Creek/Crum's Brook from Union Boulevard to Mechanicsville Road, just east of Smith Avenue; and a property on the corner of Center Avenue and Oak Street.

The Watchogue Creek/Crum's Brook portion of OU-4 was the first sector of the former MGP site in which remedial activities were undertaken. Beginning in 2000, and continued in 2001 and 2002, National Grid (then KeySpan) removed sediments and debris from the upper and middle sections of the waterway and restored the creek banks. A Final Report on this Interim Remedial Measure was submitted to the New York State Department of Environmental Conservation in November 2002 and accepted in January 2003. This project facilitated the development of the Long Island Housing Partnership's Smith Avenue houses.

Among the other Interim Remedial Measures that have been implemented in OU-4 are the 2005 excavation of the former industrial cesspool area located under the Town of Islip Long Island Railroad parking lot, and excavation of historical piping in Oak Street that was used to discharge treated plant process water from the plant to the cesspool. With the cooperation of Town of Islip officials, adjacent property owners and commuters, these projects were undertaken with minimal disruption to parking and usual community activities. In 2003 and 2009, National Grid purchased two private properties on Union Boulevard at the intersection of Center Avenue and Oak Street that were impacted by contamination that could not be remediated without demolishing the structures. The structures were demolished and preparation work for the excavation of contaminated soils was conducted. National Grid is continuing to work with other private property owners to develop and implement Interim Remedial Measures to address specific contaminant issues on their properties.

The use of in-situ chemical oxidation (ISCO) to treat residual areas of contamination in OU-4 was implemented in April 2009. Injection of the treatment through underground piping in the project area was completed late in the year. In mid-April 2010, National Grid commenced the post treatment soil sampling program to evaluate the effectiveness of the treatment process on subsurface soil. Groundwater sampling to evaluate the effectiveness of the treatment process has been on-going throughout the project. Data from the sampling was provided to the NYSDEC in late June 2010 for its assessment.

Reports on the projects noted in this Update can be found on the site's website: www.bayshoreworksmgp.com and in the Document Repositories.

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