



**Update #69 for the Bay Shore former Manufactured Gas Plant site – September 25 -  
October 26, 2010**

**Air Monitoring Status:**

There were no site activities requiring air monitoring during this operating period.

**Operable Unit 1 (OU-1):**

Oxygen Injection Systems: The oxygen injection systems are operating efficiently. Contaminant levels in groundwater leaving the site have reduced significantly since the system was installed.

Ozone Treatment System: The Ozone treatment unit is operating as designed and appears to be affective.

Former Expo Tire Property: Work to characterize the extent of impacted materials at the property is complete and a report is being prepared by National Grid for submission to DEC. The existing oxygen injection system along Union Boulevard will be expanded to address any impacted groundwater detected in the site characterization.

OU-1 Remedial Action Plan (RAP)-Phase IV: Soil removal and oxygen injection system installation have been completed. The need for additional treatment of remaining materials using in-situ chemical oxidation technology is being evaluated.

In-situ Treatment System: The need to treat remaining contamination present at depth is being assessed.

**Operable Unit 2 (OU-2):**

All OU-2 oxygen injection systems continue to operate as designed. Monitoring results shows significant reduction of contaminants concentrations in the impacted groundwater.

### **Operable Unit 3 (OU-3):**

Oxygen Injection Systems: Installation of a new oxygen injection line along the north side of Union Boulevard/Community Road was completed in early April and is operating as designed. The system replaced the oxygen generating system located south of the Union Blvd which was recently dismantled.

LIRR Relocation and Excavation: Excavation work under the LIRR including impacted soil located in a portion of the Brightwaters Yard is complete and site has been restored.

### **Operable Unit 4 (OU-4):**

The injection phase of in-situ chemical oxidation injection at the cesspool portion of OU-4 was completed the week of Nov. 30, 2009. Field activities to evaluate the effectiveness of the injection in treating the contamination have been completed. A data report was submitted on June 30, 2010 and a Technical Memorandum regarding the evaluation of the monitoring data was submitted to the Department on September 23, 2010. The Department has reviewed both documents and determined that the target area of concern was not completely and effectively addressed. The Department has directed National Grid to provide a work plan to address shallow contaminated materials still present in the target area. Further details regarding this issue will be available in an upcoming November fact sheet.

The structure located at 3 Center Avenue has been demolished. An Interim Remedial Measure work plan submitted to DEC has been reviewed and approved. Remedial activities are being scheduled.

Discussions are ongoing on access to adjacent property to allow remedial work at the pond area portion of OU-4.

Further information on remediation efforts at Bay Shore is available on National Grid's project web site <http://www.bayshoreworksmgp.com>.

DEC also maintains a web site with background information on the statewide Manufactured Gas Plant remedial program at: <http://www.dec.ny.gov/chemical/8430.html>.

If you have further questions, please contact Gardiner Cross or Amen Omorogbe at DEC's central office in Albany. The phone number is (518) 402-9662.

**The next update will be scheduled for Friday, Dec. 3, 2010.**