



Joe Martens  
Commissioner

**Update #73 for the Bay Shore Former Manufactured Gas Plant site March 25, 2011 to May 25, 2011.**

**Public Meeting:**

DEC hosted a Public Meeting/Availability Session on Tuesday, April 26 at the Bay Shore High School, 155 Third Avenue. Over 75 members of the public attended. Gardiner Cross, Chief of the Manufactured Gas Plant (MGP) Section of the NYSDEC, gave a slide presentation followed by a question and answer session. Attendees were then invited to view numerous poster stations and have one-on-one discussions with the state and county officials, as well as staff from National Grid.

**Air Monitoring Status:**

No exceedances have been noted. Air monitoring continues during ground intrusive activities in OU-4. Monitoring results have been within the acceptable limits set in the Community Air Monitoring Plan.

**Operable Unit 1 (OU-1), the former main operating area of the plant:**

Oxygen Injection Systems: The existing oxygen injection systems are operating efficiently. Contaminant levels in groundwater leaving the site have reduced significantly since the systems were installed. A new oxygen injection line, an extension of the existing Union Boulevard line, is currently being installed to the east towards 5<sup>th</sup> Avenue. It is designed to address the impacted groundwater detected in that area. It is expected to be in operation sometime in June.

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

**Operable Unit 2 (OU-2), the plume path area that runs south from the former main site to Lawrence Creek:**

All six existing OU-2 oxygen injection systems continue to operate as designed. Monitoring results show significant reduction of contaminant concentrations in the impacted groundwater. A seventh oxygen injection line is being installed at 29 Community Road. All drilling is complete. The new line is expected to be in operation sometime in June.

**Operable Unit 3 (OU-3), the plume path that runs in a narrow band in the vicinity of Lanier Lane:**

Oxygen Injection Systems: The Union Boulevard/Community Road oxygen injection line, installed in early April 2010 to replace the original Union Boulevard system which was installed in 2000, is operating as designed.

LIRR Relocation and Excavation: Excavation work under the LIRR, including excavation of impacted soil located in a portion of the Brightwaters Yard, is complete and the site has been restored. Monitoring wells were installed in December 2010 to monitor the effectiveness of the excavation.

Since this remediation, the intermediate depth groundwater data south of the excavation have shown an increase in concentration of contaminants. No such increase has been seen in shallow groundwater, located closer to the ground surface. Sometimes the disruption caused by excavation creates a temporary increase in contaminants in unexpected areas. In June additional monitoring wells will be installed to determine the extent of the contaminants south of the OU-3 excavation. The goal is to be able to decide whether additional activities (e.g., additional oxygen injection system) will be necessary, or if groundwater will clean itself up in a relatively short period of time without further intervention.

**Operable Unit 4 (OU-4), area of the former Cesspool and Pond where treated MGP waste was discharged:**

On May 23, National Grid's contractor, Posillico Environmental, began excavation of the remaining tar and tar-contaminated soils at depths less than 10 feet below the ground surface. This project is designed to reduce the likelihood of exposure to site related compounds by underground utility workers. This is necessary because compounds were still present after in-situ chemical oxidation injection was performed at this location.

Excavation began at the 3 Center Avenue property, which is to be cleaned to residential standards. A short section of the gas mains located on the north and south sides of Oak Street are now being removed to facilitate the next part of the excavation, which will entail excavating a portion of Oak Street. Excavation will then progress to a portion of the 22 Oak Street property as well as the Town of Islip parking lot that is currently fenced off. The last phase of the excavation will take place on the south side of the Long Island Rail Road tracks at the 1627 and 1611 Union Boulevard properties, now owned by National Grid. The building and garage on the 1627 Union Blvd property will be demolished. All excavation work is scheduled to be completed by midsummer.

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 Richard Dana at DEC's central office in Albany. The phone number is (518) 402-9662.

**The next update is scheduled for Wednesday, July 6, 2011.**