



Joe Martens
Commissioner

Update #72 for the Bay Shore former Manufactured Gas Plant site - February 10, 2011 to March 24, 2011

DEC will host a Public Meeting/Availability Session on Tuesday, April 26 at the Bay Shore High School, 155 Third Avenue, in the cafeteria, at 7 p.m. This meeting is intended to update the public on the ongoing activities at the Bay Shore former MGP site and to answer any questions.

Air Monitoring Status:

No exceedances of monitoring parameters were reported during this operating period.

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

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

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

Former Expo Tire Property: The Expo Tire building was demolished in January 2011. Field work began March 1, 2011 to fill in the data gaps regarding the extent of soil and groundwater contamination that was first discovered during the pre-design investigation conducted between August and September 2010. National Grid will prepare and submit a report to DEC after field work is complete. The existing oxygen injection system along Union Boulevard will be expanded to the east 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 to treat remaining contamination present at depth is currently being assessed.

In-situ Treatment System: The need for additional treatment of remaining materials using in-situ chemical oxidation technology is being evaluated given the results from the recent application of in-situ technology in OU-4 (see below).

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

All OU-2 oxygen injection systems continue to operate as designed. Monitoring results show significant reduction of contaminant concentrations in the impacted groundwater. Recently, the Garner Lane oxygen line was shut down for 8 hours to install a new electric meter. This

temporary suspension in oxygenation is not expected to have a measurable effect on the treatment of the ground water in the area.

Installation of an additional oxygen injection system is scheduled to begin in mid-April.

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 Union Boulevard system, 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.

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

The Department has approved National Grid's work plan for an Interim Remedial Measure (IRM) to excavate any remaining tar and tar-contaminated soils at depths less than 10 feet below the ground surface 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 at this location. Geotechnical borings, to help with the design, were drilled in early February. In March, the Department reviewed both a draft and a corrected version of the Noise & Vibration Mitigation Plan for this work, and the plan has been approved. In late March, Posillico Environmental was awarded the contract, and the work is expected to begin in late April. It will require four to six months to complete.

A geotechnical study to assure that none of the OU-4 excavation work will affect the integrity of nearby buildings was approved by the Department and was completed in February.

The DEC issued a 10-day access agreement to the adjacent property owner for National Grid to proceed with remedial planning and associated activities at the Pond Area portion of OU-4. Subsequent to the issuance of the access letter National Grid has purchased the adjacent property to facilitate the remedial work planned to begin in April 2011.

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 Friday, May 5, 2011.