



Bi-weekly update #59 for the Bay Shore former Manufactured Gas Plant site – Dec. 18, 2009 – Jan. 7, 2010.

Air Monitoring Status: No exceedances have been noted. Air monitoring continues during intrusive activities in OU-1, OU-3, and OU-4. Monitoring results have been within the acceptable limits set in the Work Plan.

Operable Unit 1 (OU-1):

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

Installation of a new oxygen injection system along the north side of the former King Bear building was initiated the week of Dec. 14 and is progressing.

Ozone Treatment System: Construction of the Ozone treatment building is complete and the system is operational.

In-situ Treatment System: Pre-design work is continuing to allow the evaluation of the most appropriate technologies including proper mix of oxidation agents and injection depths and concentrations.

Investigation of the area immediately west of the OU-1 barrier wall, including the former King Bear property, has been completed. Remedial action activities proposed by National Grid to address the contaminated materials found in the area have been evaluated and approved. The plan calls for target source material removal, in-situ treatment using chemical oxidation technology, as well as oxygen injection to address groundwater impacts. National Grid is developing a design document to affect the remedial plan.

Operable Unit 2 (OU-2):

All OU-2 oxygen injection systems continue to operate as designed.

Operable Unit 3 (OU-3):

Oxygen Injection Systems: Installation of a new oxygen injection system along the north side of Union Boulevard/Community Road will be initiated in this month. That system will be connected to the system in OU-1, which is currently being installed along the north side of the former King Bear building.

LIRR Relocation and Excavation: Construction of the temporary railroad track bypass is complete and the main line has been rerouted to the bypass. Sheet pile installation for the Phase 1 southern excavation of contaminated material under the rail road has been completed.

Full scale excavation of impacted soils began the week of Dec. 7 and is ongoing. Approximately 2073 tons of contaminated soil has been removed for off-site disposal at an approved disposal facility. Cells three through seven have been partially excavated to allow for installation of structural steel to shore the area of excavation. All structural shoring systems are now in place and final welding work is expected to be completed by the second week of January, at which time cell excavation will resume.

Operable Unit 4 (OU-4):

In-situ chemical oxidation injection at the cesspool portion of OU-4 was completed the week of Nov. 30. Post-injection performance monitoring is ongoing. Current monitoring data has not shown adverse impacts to the environment or surrounding dwellings. Evaluation of the effectiveness of the injection in treating the contamination has not been completed.

Repair to the sanitary line associated with National Grid's property located at 3 Center Ave. was completed during the week of Nov. 30. National will be applying for a demolition permit from the Town of Islip to enable the demolition of the structure on 3 Center Avenue.

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>.

The NYSDEC 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 NYSDEC's central office in Albany. The phone number is (518) 402-9662.

The next bi-weekly update will be scheduled for Friday, January 29, 2010.