



**Update #66 for the Bay Shore former Manufactured Gas Plant site – June 12 - July 13, 2010.**

**Air Monitoring Status:**

No exceedances have been noted. Air monitoring continues during intrusive activities in OU-3. 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.

The oxygen injection system, installed along the north side of the former King Bear building and west side of the western section of the barrier wall is operating as designed.

Ozone Treatment System: The Ozone treatment unit is operating as designed. Preliminary monitoring data is being reviewed.

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

In-situ Treatment System: Monitoring data from the In-situ treatment at OU-4 has been submitted and is being evaluated. The need to treat residual contamination present at depth will be assessed once the evaluation is complete.

**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.

The installation of wells between Cooper lane and Montauk Highway to support additional mid-plume treatment are complete. An additional oxygen injection system will be installed in fall 2010.

### **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.

LIRR Relocation and Excavation: Four out of four cells have been excavated and backfilled, thus completing Phase II of the project. Approximately 3178 tons of soil and 126,664 gallons of impacted excavation water have been hauled off-site for treatment/disposal.

Removal work is complete and the site restored. Additional remedial action to include impacted soil removal in the Brightwaters Yard is scheduled to begin in the fall of this year.

An oxygen injection system located just south of Union Boulevard will be taken off-line by the first week of August. This system has been replaced by a new system located north of Union Boulevard.

### **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 recently submitted and is being evaluated.

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, August 13, 2010.**