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Division of Environmental Remediation
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Bi-weekly update #52 for the Bay Shore former Manufactured Gas Plant site - August 29 – September 15.

Project Update Meeting Announcement: A meeting will be held at 7 p.m. on Wednesday, Sept. 30, 2009, at the National Grid office facility 1 Orinoco Drive, Bay Shore, to update the community about remediation progress at the Bay Shore/Brightwaters former Manufactured Gas Plant site. Major topics of discussion include:

- Overall Site Remediation Progress
- Progress in completing the Groundwater Treatment Facility in Operable Unit 1
- Status and results for the enhanced oxygen injection systems in Operable Unit 2
- Temporary relocation of the Long Island Railroad tracks and work schedule for the remediation of that area of Operable Unit 3
- Progress in the chemical oxidation project in Operable Unit 4

If you have any questions about the meeting, please contact National Grid's Telephone Hotline at (516) 545-3839.

What: Project Update Meeting about the Bay Shore/Brightwaters former MGP Site
When: Wednesday, September 30, 2009 at 7 p.m.
Where: National Grid Operations Office, 1 Orinoco Drive, Bay Shore NY

Air Monitoring Status: No exceedances have been noted. Air monitoring continues during intrusive activities throughout the site, including the installation of utility poles and the oxidant injection in OU-4. Real-time air monitoring equipment installed along the site perimeter shows that concentrations of volatile organic compounds and dust have been within the acceptable limits set in the Community Air Monitoring Plan.

Operable Unit 1 (OU-1):

Oxygen Injection System: The oxygen injection system installed along Union Boulevard, directly downgradient of the OU-1 barrier wall, continues to operate as construction proceeds in the main body of OU-1. Contaminant levels in groundwater leaving the site have fallen sharply since the system was installed.

Ozone Treatment System: Construction continues, with a target startup date in the fall of 2009. The treatment building is nearly complete and treatment equipment is being installed. Sixty-three ozone injection wells have been installed, and installation of the monitoring wells and soil vapor extraction wells is ongoing.

In-situ Treatment System: Pre-design field work and sample collection continues for the in-situ oxidation system to be installed on the main OU-1 area. Determination of the proper mix of oxidation agents and injection concentrations are being evaluated.

Investigation of the area immediately west of the OU-1 barrier wall, including the former King Bear property, has been completed. Two additional monitoring wells were installed, beyond those specified in the work plan. A work plan for in-situ treatment in the King Bear area is expected in late September.

Operable Unit 2 (OU-2):

A new oxygen injection system installed at the tail end of the OU-2 plume, along the bank of Lawrence Creek, is operating as designed.

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

Construction of the last remaining portion of the OU-2 oxygen injection systems (the line of wells along Cooper Lane) is set to begin during the third week of September. The monitoring wells for this system are already in place.

Operable Unit 3 (OU-3):

Construction of the temporary railroad track bypass, which will allow excavation of the source material remaining under the permanent rail line, is on schedule and nearing completion. It is anticipated that the temporary tracks will be connected in the fall, allowing excavation work to proceed. The contract for the impacted soil removal under the rail road has been awarded to Creamer Environmental. Pre-track relocation preparations are currently underway by the contractor.

The installation of nine additional monitoring wells to verify the effectiveness of the OU-3 oxygen injection system is now complete. Sampling results will be included in the next quarterly monitoring report.

Operable Unit 4 (OU-4):

In-situ chemical oxidation at the cesspool portion of OU-4 has been ongoing since late April. Injection has been proceeding according to the work plan. Current monitoring data has not shown adverse impacts on the environment or surrounding dwellings.

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, October 9.