

## **Project Progress Update**

**GM-38 Area – Naval Weapons Industrial Reserve Plant Bethpage, New York**  
**NAVY EFA- Northeast Contract No. N62472-99-D-0032 Contract Task Order No. 96**

**Remedial Contractor** = Tetra Tech EC, Inc (TtEC)

**TtEC Project Manager** = Stavros Patselas – office phone no. 215-702-4099

**TtEC Field Personnel** =

Joe Gray (cell no. 267-688-9966) and Vince Richards (cell no. 949-283-0589)

**Progress Report No.** = 2

**Report Date** = March 8, 2005 (Tues)

**Start Date** = November 18, 2004 (Thurs)

**Number of Work Days To Date** = 73

**Description:** Current project phase includes the following three tasks:

- A geotechnical investigation to obtain soil data for design of treatment plant foundation
- A groundwater investigation consisting of the installation of six monitoring wells, two recovery wells, and one injection well followed by development of all wells, pump testing of the recovery wells, an injection test on the injection well, and analytical sampling.
- A treatability study of groundwater chemistry and characteristics

Project details can be referenced in the FINAL WORK PLAN FOR PRE-DESIGN INVESTIGATION TASKS of the GM-38 AREA GROUNDWATER REMEDIATION issued by TtEC in November 2004.

### **Progress Status:**

- IW-1 location is east of the South Herman Ave. and Wilson Lane intersection and on New York State Department of Transportation (NYS DOT) property within the right of way of Route 135 Seaford – Oyster Bay Expressway. Set-up for installation of injection well IW-1 began on February 7, 2005.
- On February 18, 2005, receive verbal approval to proceed with clear/grub and access road install on NYS DOT property. Mobilize and begin work by February 24, 2005.
- Complete drilling and construction of IW-1 by February 25, 2005.
- Bethpage area receives snow events in time period between February 25 and 28, 2005.
- On March 1, begin development of recovery well RW-2 located at the southern (dead end) of North Windhorst Avenue.
- Drill rig leaves IW-1 location and goes to decontamination pad on March 3, 2005.
- Clearing and grubbing to access the remaining well locations is completed and access road install begins on March 4, 2005.
- Continue communications with Long Island Railroad (LIRR) regarding access to the NYS DOT easement section. Project details and plans are provided. Proposed work to be done is verbally approved, however, agreements need to be completed including entry permit by Tetra Tech EC, Inc and long-term utility access agreement between LIRR and

Navy. Due to this reason, plan to access the remaining well locations from southern entry point located east of the South Herman Avenue and Wilson Lane intersection.

- Complete majority of access road installation (approx. 80%) on March 7, 2005. Incomplete section is from the southern LIRR property line up to the existing fence opening. The fence at this location serves as property boundary between NYS DOT and Town of Oyster Bay. Remobilize at a later date for completion.

**To Be Completed:**

- Set-up and install last remaining monitoring well (GM38-RW1-MW2) for this phase of GM-38 project.
- Set-up and install last remaining recovery well GM38-RW1. This is the last of nine groundwater wells to be installed for this phase GM-38 project.
- Complete development of all wells.
- Perform pump test on recovery wells and injection test on injection well.
- Purge and collect groundwater samples from all wells for laboratory analysis.
- Collect additional samples from recovery wells to perform treatability study.
- Perform interim restoration of well areas.
- Manage and dispose of remaining containerized groundwater and drill cuttings.
- Clean-up and demobilization.

**High Priority:**

- Maintain safe work environment.
- Maintain satisfactory work area security and housekeeping.
- Continue towards property access agreement between Navy and both LIRR and NYS DOT.
- Communicate the details of the Review Advisory Board (RAB) meeting to GM-38 area residents. The next RAB meeting is scheduled for the evening of Wednesday, April 6, 2005.

**Report No. 1 Progress Status Details:**

- TtEC and drilling subcontractor, Uni-Tech Drilling Co., mobilized on November 18, 2004. A mud rotary drill rig is mobilized and is used for drilling of monitoring wells.
- Complete installation of the first of six monitoring wells on November 23, 2004. GM38-RW2-MW1 was installed on Town of Oyster Bay property near the southern (dead end) of North Windhorst Avenue.
- Complete installation of the second of six monitoring wells on December 8, 2004. GM38-RW2-MW2 was installed on Town of Oyster Bay property near the southern (dead end) of North Windhorst Avenue.
- Complete installation of the third of six monitoring wells on December 16, 2004. GM38-RW2-MW3 was installed on Town of Oyster Bay property near the southern (dead end) of North Windhorst Avenue.
- The geotechnical soil borings were completed on December 20 and 21, 2004. Four borings were advanced to a depth between 20 – 30 feet within the area of the future treatment plant. Data was used to design the concrete foundation of the treatment plant.

- Complete installation of the fourth of six monitoring wells on December 22, 2004. GM38-IW1-MW1 was installed on New York State Department of Transportation (NYS DOT) property within the right of way of Route 135 Seaford – Oyster Bay Expressway. This location is east of the South Herman Ave. and Wilson Lane intersection.
- Complete installation of the fifth of six monitoring wells on January 5, 2005. GM38-RW1-MW1 was installed on Town of Oyster Bay property in front of the residence at 92 South Herman Avenue.
- Driller mobilizes reverse rotary drill rig, which is to be used for installation of the recovery wells and injection well. Begin set-up for installation of recovery well RW-2 on January 10, 2005. RW-2 is to be installed on Town of Oyster Bay property near the southern (dead end) of North Windhorst Avenue.
- Complete development of the five installed monitoring wells on January 14, 2005. All water is containerized and eventually discharged to Nassau County sanitary sewer. All discharges pre-approved by Nassau County Department of Public Works – Cedar Creek WPCP.
- Complete installation of the first of two recovery wells on February 1, 2005. GM38-RW2 was installed on Town of Oyster Bay property near the southern (dead end) of North Windhorst Avenue.
- Begin set-up for installation of injection well IW-1 on February 7, 2005.