

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. = 1

Report Date = February 11, 2005 (Fri)

Start Date = November 18, 2004 (Thurs)

Number of Work Days To Date = 56

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:

- 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. IW-1 is to be located 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. Start drilling IW-1 on February 10, 2005.

To Be Completed:

- Complete installation of IW-1 by February 16, 2005.
- Clear/grub NYS DOT property to allow drill rig access to location of one monitoring well (GM38-RW1-MW2) and one recovery well (GM38-RW1).
- Install last remaining monitoring well (GM38-RW1-MW2) for this phase of GM-38 project.
- 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.
- Receive approval from NYS DOT to proceed with clear/grub work within Route 135 right of way in order to proceed with install of remaining two of nine wells in the pre-design investigation phase of the GM-38 Area project.
- Obtain property access agreement from Long Island Rail Road.