

## **GM-38 Progress Meeting No. 24 on August 5, 2009**

An on-site meeting was conducted at 11:00 a.m. eastern.

### **Attendees:**

Navy Gregory Pearman (ROICC)  
NYSDEC Steve Scharf (by phone)  
Town of Oyster Bay Richard Pfaender  
ECOR Solutions Al Taormina  
ECOR Solutions Fred Mattison  
TtEC PM Stavros Patselas  
TtEC Site Superintendent Edward Urbanek  
TtEC System Start-Up Supervisor Richard Goldbeck  
TtEC Quality Control and Health & Safety Joseph Gray

### **Summary:**

Late last week the fourth set of potable water line samples passed bacteria analysis. As a result of the delay in connecting to the potable water line TtEC obtained a hydrant permit to use the newly installed fire hydrant at dead end of N. Herman Avenue. Fred Mattison of ECOR Solutions, the primary operator of the GM-38 treatment system, began filling tanks starting with liquid phase carbon units and the equalization tank.

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, continued general clean-up inside the building and finished the shower in the bathroom.

Work anticipated by MUA over the next two week period includes: continue general plant clean-up, potable water line connection, start ceiling tile in the bathroom and then control room, continue restoration, backfill around RPZ vault and work on punch list items.

The mechanical subcontractor, WHM Plumbing and Heating (WHM) of East Setauket, NY has completed the liquid phase piping. The vapor phase piping (24" SCH 40 PVC) is approximately 95% complete except for transition pieces at inlet and outlet of blowers. Vapor phase instrumentation has been installed. Installation of liquid phase instrumentation is complete and the eyewash stations have been installed. Various leaks during hydrostatic testing are being repaired.

Work anticipated by WHM over the next two week period includes: Completion of the vapor phase piping at the inlet / outlet of both blowers, installation of the submersible pump in RW-1 and pressure testing of liquid phase piping within the plant and lines to IW-1, RW-1 and RW-3.

Electrical contractor, JVR Electric (JVR) of Medford, NY continued work on the electrical and instrumentation systems in the treatment building. Approximately 95% of the instrumentation wire has been pulled to the PLC. The priority now is terminations in MCC, between MCC and PLC, and in PLC. The PLC programmer was on-site for signal testing on **July 27, 2009** as well as Square D for VSD programming.

Work anticipated by JVR over the next two week period includes: complete terminations, assist the PLC programmer and Square D as necessary, resume lightning protection install, install heat trace in RW-1 and exposed stripper tower piping on the roof of the treatment building. RW-2 electric will not be connected in the control panel within the plant or w/in the well vault.

DRILLING: TtEC submitted the technical memo detailing the results of the groundwater modeling effort to the Navy and NYDEC on May 19, 2009. Received comments by Arcadis via NYSDEC on June 18, 2009 and has responded to these comments. The response document was reviewed by the Navy and has been submitted to NYSDEC for consideration. TtEC requests to prevent any response to comments sequence escalating beyond this respond by considering a meeting with Ardadis / Grumman, if necessary. NYSDEC indicates that the final approval decision on RW-3 recommendations will be the NYSDEC's and informs to begin the mobilization process for RW-1 pilot hole drilling. Mobilization and clearing for RW-3 has been completed and the work area has been surrounded by temporary fencing. Drilling of the pilot hole for collection of soil sample will begin by early the week of August 10, 2009. Soil samples will be collected for sieve analysis and the borehole will be gamma logged. Based on this data TtEC will prepare a well construction diagram and submit it to NYDEC for review and concurrence. A better copy of the cross section (hand drawn) showing a confining layer will be provided to Steve Scharf. This cross section was provided in the technical memo dated May 19, 2009. Update leaflets will be delivered to the surrounding neighborhood prior to drilling.

POTABLE WATER: On July 31, 2009 it was confirmed that two consecutive samples passed for bacteria. Approximately 15 feet of pipe was installed earlier this week for the final connection. The GM-38 treatment building now has potable water available inside via the new 6" water main on N. Herman Ave.

COUNTY BASIN DISCHARGE: Jerry Ennis of the Nassau County Department of Public Works has provided a draft letter indicating that the fee related to the discharge of treated effluent to basin #495 will be waived. There will be annual maintenance required, related to vegetation control and scarification of basin floor to allow continued infiltration. A Navy padlock was installed at basin entry gate. A certificate of insurance with Nassau County listed as additional insured has been forwarded to NCDPW.

AIR DISCHARGE: No change, the NYSDEC has provided comments and TtEC has revised and resubmitted the air permit. TtEC has received via email approval letter dated July 24, 2009. NYSDEC will follow up with written approval.

SPDES: TtEC has sent a letter to NYDEC's Jean Occidental with copy to Steve Scharf to clarify the SPDES permit primary discharge of the plant will be to the NCDPW basin located west of Broadway and secondary discharge will be to IW-1. Ms Occidental left a voice mail for Steve indicating the discharge criteria will change for surface discharge. TtEC PM is to contact Ms Occidental regarding any NYSDEC changes to permit.

SITE SECURITY: No change, site security services have been increased thru early September 2009. The response plan to all plant alarms including security needs to be established and incorporated into the O&M manual. Site security cameras are not part of installation but TtEC shall research costs,

effectiveness, and various options. A lock box will be installed at the main gate that could be accessed by local police and fire in the event of plant emergency and contain gate and door keys, MSDS, and plant layout drawing. The Navy has provided several padlocks to use on the plant vehicular and man gates and the Navy lock cylinders will be installed to replace the current door lock sets allowing the gates locks and door locks to be keyed alike with Navy property keys.

TOB INSPECTIONS: No change, TOB's Gary Blanchard is now assigned to this project and will not perform regularly scheduled TOB inspections as was initially set-up. TtEC will provide a letter documenting that the building was constructed in accordance to plan and code as well as a copy of underwriters certificate for electrical. The underwriter's letter will be provided by certified third party electrical inspector and will not be available until final inspection is complete.

The required project documentation (such as daily reports, QC inspection reports, etc.) continues to be provided to Navy's Greg Pearman. Navy's Chris Shukis and / or Greg Pearman are to review w/ TtEC the redzone checklist (80% construction complete) and project turnover checklist. TtEC requests that a red zone meeting be held after the next progress meeting or be scheduled soon.

ROOF ACCESS: Navy's Greg Pearman requests consideration to install an access hatch to the building roof from inside. The potential location is above the mezzanine (above shower and closet). Roof warranty impact, safety rails on the roof around the access opening, roof tie-off locations, and other needs to be considered. TtEC has received the installation proposal of approximately \$12,000 and provided a copy to Greg for review.

TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting scheduled for Tuesday, August 18, 2009 at 11:30 a.m. A red zone meeting will be held after progress meeting. A conference call in number will be established for those who cannot attend in person.









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GRP 2



