

## **GM-38 Progress Meeting No. 25 on August 18, 2009**

An on-site meeting was conducted at 11:30 a.m. eastern.

### **Attendees:**

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

### **Summary:**

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, continued general clean-up inside the building, painted the floor in the control room, backfilled around the RPZ vault and installed the final dry well located west of the treatment building. The air conditioning units are being installed and charged today. A punchlist prepared by TtEC has been provide to MUA.

Work anticipated by MUA over the next two week period includes: continue general plant clean-up, completion of punchlist items, painting of the air stripper sump, building sump and the building floor, soil restoration and hydroseeding.

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 complete and the transition pieces at inlet and outlet of the B1/B2 blowers are current being installed. 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. The riser pipe for IW-1 and the pump and riser pipe have been installed in RW-1. Approximately 60% of the hydrostatic testing has been completed. A punchlist prepared by TtEC has been provided to WHM.

Work anticipated by WHM over the next two week period includes:

Hydrostatic testing of remaining HDPE and PVC piping systems and repairs of any leaks identified. 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 98% 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. Advantech (PLC programmer) and Square D will be on-site

again on August 24, 2009.

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:** As previously summarized, NYSDEC informed TtEC to begin the mobilization process for RW-1 pilot hole drilling. Drilling of the pilot hole for collection of soil sample began on August 10, 2009. It is anticipated the pilot hole will be completed by the week of August 24, 2009. Based on the soil samples collected from the pilot hole TtEC will propose screen size(s) and interval(s). The proposed well construction will be sent to NYDEC for review and approval. There will be a time gap between drilling the pilot hole for RW-3 and the reverse rotary drilling of RW-3. Decisions regarding the well construction will be made in addition to ordering stainless steel well screen. The mud-rotary drill rig will move to location TP-01 during this time period.

**POTABLE WATER:** NO CHANGE - 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. A fencing subcontractor has been on-site to provide a quote for repair of two openings in the fence around the basin. The work is scheduled for the week of August 24, 2009, next week.

**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.

**SPDES:** NO CHANGE - 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:** Site security services expire on August 31, 2009. TOB raises security concern of RW-3 drilling area. Drilling area security had a particular issue during pre-design drilling.

**NO CHANGE** - 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.

**DOCUMENTATION:** NO CHANGE - 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 soon since major subcontractors have started completion of punchlist items.

**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 PM to review with Navy RPM. The Navy is reviewing the proposal to determine if there is available funding.

TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting scheduled for **Thursday, September 3, 2009 at 11:30 a.m.** This meeting will serve as a transition from construction phase to operation and maintenance phase. 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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