

## **GM-38 Progress Meeting No. 23 on July 21 2009**

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

### **Attendees:**

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

### **Summary:**

Due to water samples failing for bacteria, TtEC has 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, will begin filling tanks starting with liquid phase carbon units and the equalization tank.

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, finished removing excess soil from the site, continue general clean-up inside the building, finish the bathroom around the shower, and continue purge and sample of the potable water line.

Work anticipated by MUA over the next two week period includes: continue general plant clean-up, potable water line completion, start ceiling tile in the bathroom and then control room, and continue restoration.

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 will be installed after the vapor phase piping is installed. Installation of liquid phase instrumentation is complete.

Work anticipated by WHM over the next two week period includes: installation of vapor phase piping instrumentation, completion of the vapor phase piping at the inlet / outlet of both blowers, installation of emergency eye wash stations, and installation of the submersible pump in RW-1 and riser pipe in IW-1.

Electrical contractor, JVR Electric (JVR) of Medford, NY continued work on the electrical and instrumentation systems in the treatment building. The power and signal cables have been pulled to RW-1 and the signal cable pulled to IW-1. The majority 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 is scheduled to be 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, pull power

and signal into RW-2 for both RW-2 and RW-3, and resume lightning protection install. RW-2 electric will not be connected in the control panel within the plant or w/in the well vault.

**DRILLING:** Drilling mobilization is anticipated in early August. TtEC completed groundwater modeling tasks (instead of Arcadis) toward determination of RW-3 well design including depth and screened interval. 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 Arcadis / 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. TtEC will contact Delta today and schedule an on-site planning meeting.

**POTABLE WATER:** After two consecutive acceptable samples are collected and acceptable results are achieved the Bethpage Water District water main can be connect to the treatment plant line. Approximately 15 feet of pipe needs to be installed for the final connection. Samples are submitted to H2M Lab for 24 turn around on results. A hydrant permit application was submitted today since the first set of samples failed bacteria. The LGAC vessels will start to be filled tomorrow after receiving the double backflow preventor.

**COUNTY BASIN DISCHARGE:** No change, Jerry Ennis of the Nassau County Department of Public Works has indicated verbally and via email 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. Despite meeting NCDPW on-site on June 27, 2009, TtEC is still awaiting a response from DPW concerning requirements such as bonds, insurance, etc. related to entering the basin and work scope to scarify and clear the basin bottom. A Navy padlock was installed at basin entry gate. A voice mail message was left this week checking on status.

**AIR DISCHARGE:** No change, the NYSDEC has provided comments and TtEC has revised and resubmitted the air permit. TtEC has received approval via email. NYDEC will follow up with written approval.

**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.

**SITE SECURITY:** No change, site security services have been increased thru end of July 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.

Start-up with potable water is anticipated by the end of July, however this subject to samples passing and approval by BWD and NCDOH. Potable water connection status has impacted start-up but TtEC subcontractors continue to complete various items including vapor phase piping and other. By hydrant permit, TtEC will begin testing this week in preparation for PLC and VSD testing and set-up next week. Contaminated groundwater treatment is targeted approximately 3 weeks after begin testing with potable water. The system start-up, test, and shakedown with potable water must occur first.

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 is awaiting the installation proposal from Long Island based building representative.

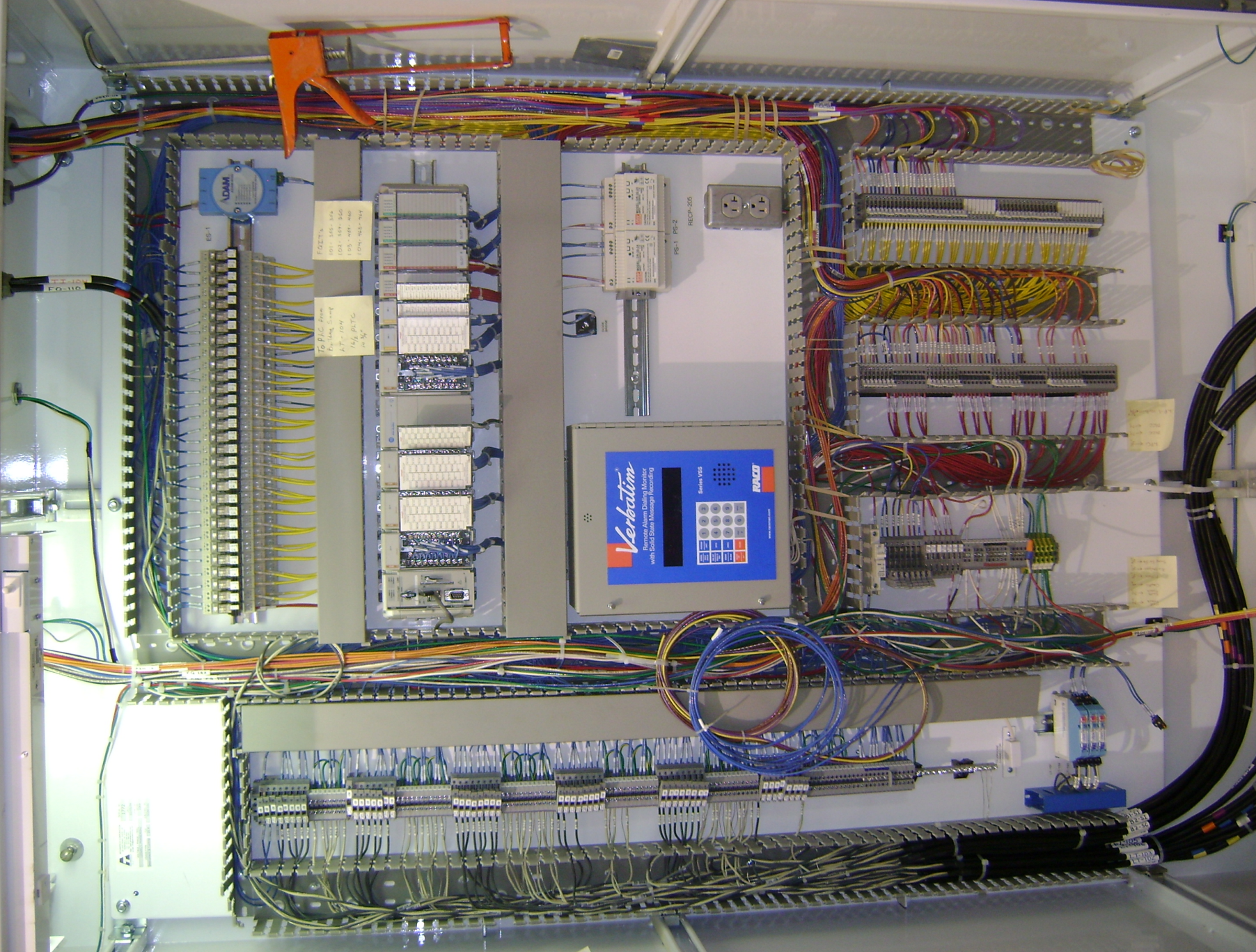
TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting scheduled for Wednesday, August 5, 2009 at 11:00 a.m. A conference call in number will be established for those who cannot attend in person. There is possibility that TtEC PM will participate by phone



Emergency Shower/Eye Wash

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