

GM-38 Operations and Maintenance Meeting No. 01 (Progress Meeting No. 27) on September 17, 2009

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

Attendees:

NYSDEC Steve Scharf
Town of Oyster Bay Richard Pfaender
TtEC PM Stavros Patselas
TtEC Site Superintendent Edward Urbanek
TtEC Quality Control and Health and Safety Joseph Gray

Summary:

Monday September 14, 2009 TtEC began continuous operation of the GM-38 Area Groundwater Treatment Plant. TtEC will operate and maintain the plant for a period of six months, thru mid-March 2010. The plant will be transitioned to another Navy contractor during month 4 or 5 of the TtEC Operations and Maintenance period. While it is currently unknown, who the next contractor will be there is a possibility it will be ECOR Solutions (ECOR). ECOR personnel are currently the primary operators of the system and the weekly operator lives in West Babylon, which is approximately 20 minutes from plant.

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, continued sealing the floor and site restoration. A punchlist prepared by TtEC has been provided to MUA and reviewed with them. They were informed to proceed with scheduling roof hatch install.

Work anticipated by MUA over the next two week period includes: completion of punchlist items, painting of floor and sumps. MUA's landscaping subcontractor Gayle Bard are to begin spreading topsoil today in preparation for hydroseeding.

The mechanical subcontractor, WHM Plumbing and Heating (WHM) of East Setauket, NY has completed the liquid phase piping and vapor phase piping. Majority of all instrumentation is installed with calibration and testing started. A punchlist prepared by TtEC has been provided to WHM and reviewed with them.

Work anticipated by WHM over the next two week period includes: completion of punchlist items. WHM and their electrical subcontractor JVR will have to remobilize to install RW-3 wellhead vault and make connections after RW-3 is completed. The process piping is already across Broadway on western side so that what remains is approximately 50 feet of pipe / conduit install to RW-3.

The pump, stainless steel riser pipe, and pre-cast well vault are on-site and ready for install after RW-3 is developed.

Electrical contractor, JVR Electric (JVR) of Medford, NY completed work on the alarm system. The PLC programmer is on-site this week along with Square D for VSD programming. Advantech (PLC programmer) was on-site again this week for further adjustment of RW-3 programming.

Work anticipated by JVR over the next two week period includes: completion of

the lightning protection system and punchlist items.

DRILLING: The RW-3 pilot hole and TP-1 monitoring well are complete. Based on the soil samples collected from the RW-3 pilot hole TtEC will propose screen size(s) and interval(s). The proposed well construction diagram will be sent to NYDEC for review and approval next week. Input on this well construction is from TtEC, Delta Well & Pump, and Johnson screens. There will be a time gap between drilling the pilot hole for RW-3 and the reverse rotary drilling of RW-3. Materials will be ordered immediately upon completion of NYSDEC review and delivery time is 2-3 weeks. NYSDEC recommends evaluating how to shorten this proceed. Clearing for RW1-MW-3 started today along Route 135 ROW off of Central Avenue South. Both Sleepy's and Auto Tech have been notified about the upcoming work along the access road to these businesses. Future monitoring wells will be installed at the intersections of Sophia Street with Broadway and Arthur Avenue with Leroy Avenue. Notices will be sent to residents surrounding these locations prior to work in mid-October.

POTABLE WATER: COMPLETED

COUNTY BASIN DISCHARGE: As per NCDPW approval letter there will be annual maintenance required, related to vegetation control and scarification of basin floor to allow continued infiltration. TOB Rich Pfaender raised the question as to who is responsible for fence repairs and for monitoring / control of mosquito population. The basin will have water in it as a result of the treatment discharge. Discharge into basin now provides water into a basin that was previously dry. TtEC left message to NCDPW Jerry Ennis to discuss these issues. A Navy padlock remains at basin entry gate. The O&M manual needs section on basin monitoring and maintenance.

AIR DISCHARGE: COMPLETED

SPDES: NO CHANGE - TtEC spoke with NYDEC's Division of Water Jean Occidental regarding the SPDES limits based on primary discharge to NCDPW basin #495. The SPDES limits will not change because this basin is self-contained and not interconnected with another basin. This detail was confirmed with NCDPW Jerry Ennis. TtEC PM requests that NYSDEC Steve Scharf confirm with no changes to SPDES limits with Ms Occidental. TtEC PM and NYSDEC are to review the SPDES reporting requirements and associated sampling plan.

SITE SECURITY: Site security services was extended one more month and expire on October 2, 2009. Due to the security concern of RW-3 drilling area and the upcoming public meeting it was decided to extend one additional month. The TtEC trailer will not be removed until the end of September 2009 but prior to security expiration. The temporary perimeter fence will not be removed until trailer is removed. Three security monitoring firms have been contacted for quotations on security camera systems. Quotations received are being evaluated.

The response plan to all plant alarms including security needs to is 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. Ed and Al are to visit a local locksmith.

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, which is scheduled for September 30, 2009. The fire marshal inspection is scheduled by end of September 2009 also.

DOCUMENTATION: NO CHANGE - The required project documentation (such as daily reports, QC inspection reports, etc.) continues to be provided to Navy's Greg Pearman. TtEC requests that a red zone meeting be held soon since major subcontractors have started completion of punchlist items. After today's meeting Navy's Chris Shukis and / or Greg Pearman are to review w/ TtEC the redzone checklist (80% construction complete) and project turnover checklist.

ROOF ACCESS: Navy requests consideration to install an access hatch to the building roof from inside with 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 reviewed with Navy RPM and decided to proceed with installation utilizing the cost savings of NCDPW waiving the discharge fee. Fixed points need to be installed at certain locations as tie-off points. Access to roof and work on roof should be included into the O&M manual.

O&M: The O&M phase started on September 14, 2009. TtEC is to provide O&M for 6 months and then transition to other Navy contractor, perhaps ECOR Solutions, Inc. The Navy review of draft O&M manual is complete. TtEC response to comments is complete. Draft final version was submitted to NYSDEC's Steve Scharf and Henry Wilkie on September 9, 2009. NYSDEC's Steve Scharf indicates that he has not received but will confirm when he returns to office. The plan contains a sampling and analysis section. As-built drawings will be incorporated into the final version. The TOB is to also receive a final copy (2 CD and 2 hard).

Monthly operation report to NYSDEC was discussed. DMR format is not required and NYSDEC's Steve Scharf will advise on the monthly report format. The report should combine both air and groundwater data in tabular format.

TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting tentatively scheduled for **Thursday, October 8, 2009 at 11:30 a.m.** A conference call in number will be established for those who cannot attend in person.



