

GM-38 Progress Meeting No. 22 on July 8, 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
TtEC Site Superintendent Edward Urbanek
TtEC System Start-Up Supervisor Richard Goldbeck
TtEC Quality Control and Health & Safety Joseph Gray
TtEC Richard Petty Construction Quality Manager(visiting)
TtEC Senior Construction Manager Gary Clark (visting)

Summary:

Fred Mattison of ECOR Solutions was introduced as the primary operator of the GM-38 treatment system. He will be assisting during start-up and then 6 months of O&M. He is scheduled to start full time starting July 13, 2009 to familiarize himself with the treatment system prior to start-up. Navy shall identify new O&M contractor (possibly ECOR) to transition O&M to. Fred's credentials will be provided to NYSDEC for reference.

Richard Petty and Gary Clark of TtEC were introduced as project site visitors conducting a project health assessment.

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, finished removing excess soil from the site. ECOR Solutions took some soil for use on another Navy project, the remainder was removed by Merrick Utilities. The remaining soil on-site will be used for around the water meter vault and other site restoration. The sealing of the plant floor will have to be delayed until after start-up and is anticipated to take at least a week between floor prep and the two part application.

Work anticipated by MUA over the next two week period includes General plant clean-up, potable water line completion, installation of ceiling tile in the control room, continue final restoration, additional stone on access road, and finishing bathroom. After the remaining topsoil is placed, Gayle Bard (Merrick's landscaping subcontractor) will hydro-seed all restored areas. The initial 20 feet of access road from the sidewalk will be asphalt and a concrete driveway will be installed.

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 90% complete. Installation of liquid phase instrumentation is complete. Vapor phase instrumentation will be installed after the vapor phase piping is installed.

Work anticipated by WHM over the next two week period includes:
Continue installation of the vapor phase piping from the booster blower to the VGAC units and from the VGACS to the discharge stack. Installation of the

submersible pump in RW-1 and riser pipe in IW-1 will occur after completion of vapor phase piping and punchlist items on liquid phase.

Electrical contractor, JVR Electric (JVR) of Medford, NY continued work on the electrical and instrumentation systems in the treatment building. The majority of the instrumentation wire has been pulled to the PLC. Additional work includes wire cable pulls to extraction wells and building lightning protection. The phone lines have been installed into the building.

Work anticipated by JVR over the next two week period includes: continue installation of the lightning protection system, pull wire cable to RW-1 and completion of outlets within the building. Wire cable will eventually be pulled to RW-2, however RW-2 electric will not be connected in the control panel within the plant or w/in the well vault.

NO CHANGE: Drilling mobilization is still to be determined, however it is anticipated to start in late July. 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 proceed to prepare response to comments. Response document was submitted for Navy review after which the document will be 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. TtEC is keeping Delta informed with respect to progress and a late July timeframe is anticipated to begin the drilling program.

The potable water main has been installed w/in North Herman Avenue block south of Sophia St. MUA was the low bidder this work is being performed by MUA directly for the Bethpage Water District. The water main has been disinfected, samples were collected and acceptable sample results have been achieved. The three way valve at the intersection of Sophia Street North Herman road has been connected. The laterals to the homes along North Herman Road have been connected. MUA has finished installation of the GM-38 water meter and RPZ within a precast concrete vault located w/in TOB right of way at southern dead end of North Herman Ave. The new 6" potable water line has been tested and approved up to the end of North Herman Road. The section of the potable water line from the end of North Herman to the treatment building is currently being sampled. 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. Currently not pursuing alternative means to obtain potable water to begin testing.

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.

The NYDEC 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.

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. This memo serves to satisfy SPDES memorandum issued by the NYSDEC Division of Water that any discharge changes must be notified to the same.

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.

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 with TOB's Tim Zike at the construction kick-off meeting. 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 third week of July, however this subject to samples passing and approval by BWD and NCDOH. Potable water connection status may potentially impact start-up but TtEC subcontractors continue to complete various items including vapor phase piping and other. At this time it appears as if potable water will be available into the plant soon. 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). A ladder would be installed against the western inner wall. Roof warranty impact, safety rails on the roof around the access opening, roof tie-off locations, and other needs to be considered. A building representative is currently on-site evaluating possibilities.

TtEC was informed of award of work related to Site 1 Soil Vapor Containment System design and build. TtEC PM and Construction Superintendent will be involved on this new project.

TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting scheduled for Tuesday, July 21, 2009 at 11:30 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



CAUTION
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PROTECTION
AREA



