

## **GM-38 Progress Meeting No. 17 on April 29, 2009**

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

### **Attendees:**

Navy Chris Shukis, Mech / Elec Supervisory Engineer  
NYSDEC Steve Scharf  
ECOR Al Taormina  
TtEC PM Stavros Patselas  
TtEC Construction Superintendent Ed Urbanek  
TtEC Quality Control and Health and Safety Joseph Gray  
TtEC System Start-up Supervisor Rich Goldbeck

The building subcontractor, Merrick Utility Association (MUA) of Farmingdale, NY completed the mezzanine concrete pour this past week. Began installation of the permanent fence and entrance gates around the treatment building. The fence installation will be completed by mid-May and before expiration of site security services. The Navy has approved the installation of a 10 feet height fence instead of the specified 8 feet height. The handrails for the mezzanine and air stripper sump perimeter as well as two mezzanine ladders are fabricated and to be delivered / installed the week of May 4, 2009. Work anticipated to begin over the next two week period includes: installation of handrails, subgrade preparation and stone install around building area, and continue potable water plumbing inside. Other work to be scheduled and completed is install of single drywell west of building near access road bend, install of HVAC units, install of control room ceiling and floor tiles and scarification of county basin bottom.

The mechanical subcontractor, WHM Plumbing and Heating (WHM) of East Setauket, NY continues to install liquid phase piping and will be near complete within 2 weeks. Vapor phase piping will start as liquid phase is complete. The connection into stormwater manhole for discharge into basin and Broadway crossing was completed last week. Asphalt restoration occurred yesterday and sidewalk / curb concrete restored in future. There were no resident or TOB complaints received as a result of the Broadway road crossing. WHM is currently backfilling and compacting the trench between RW-2 recovery well and Broadway. Within the next two week period WHM anticipates beginning installation of the submersible pump in RW-1, delivery of the air stripper tower header, and completion of process trench restoration. A meeting is scheduled for tomorrow with WHM and JVR to discuss construction schedule.

Electrical contractor, JVR Electric (JVR) of Medford, NY completed installation of plant lights, plant heaters, exit lighting, fire alarm, security system, and begin exterior lights. Continued completion of building grounding and continued preparation for permanent power with install of grounding and protective bollards around 500 kVA transformer. It is anticipated the transformer will be energized prior to the next progress meeting or about 2 weeks. JVR's foreman continues reviewing manufacturer literature for installation of plant instrumentation.

NO CHANGE: Drilling mobilization is still to be determined. The driller Delta Well & Pump of Ronkonkoma, NY completed preparation of RW-1 and IW-1 for

operations. RW-2 was not cleaned. TtEC continues groundwater modeling tasks (instead of Arcadis) toward determination of RW-3 well design including depth and screened interval. TtEC is keeping Delta informed with respect to progress and a mid-June timeframe is anticipated to begin the drilling program. It is anticipated the RW-3 proposed well construction will be submitted to the Navy in a technical memo during the week of May 4, 2009. The RW-3 technical memo will be forwarded to NYSDEC after Navy review and acceptance. TtEC previously submitted a technical memo on groundwater modeling approach to Navy and then NYSDEC, whose review is not complete but preliminary review indicated approach is valid.

BWD is expected to award the contract to replace the water main on North Herman Avenue to MUA with in the next few weeks. MUA has submitted bonds and road opening permit application to TOB. Recent letter from BWD / H2M indicated that Notice to Proceed with construction will not be completed until BWD receives Navy share of cost. This is problematic in that a check request will take at least 2 weeks. BWD / H2M was informed that waiting for the Navy share prior to issuing NTP is unacceptable. Installation of this water main is a priority because approximately 40,000 gallons of potable water are needed for plant start-up and shakedown. Additionally, pressurized water is needed for the eye wash station and shower. Back-up plan is to use closest fire hydrant or to truck in potable water. Portable eye wash stations may be used in lieu of permanent eye wash stations until the water main is connected. The status of RW-2 operation has not changed in that it will not be used until treatment system begins and maintains operation while groundwater data collected. The Navy lease agreement with Navy contains language that RW-2 would not be used until after GM-38 is started and data is gathered.

NO CHANGE: TtEC submitted a letter request NCDPW to decrease or eliminate discharge fees into the county stormwater basin. Letter includes basis for request including contractor clean-up of basin prior to discharge and last year's property transfer. TtEC will follow up with NCDPW regarding the request letter.

The air permit application was submitted to Navy and Navy has determined an owner signature will not be provided. The permit application will be submitted to NYSDEC Steve Scharf by end of this week.

NO CHANGE: TtEC will prepare a letter 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.

NO CHANGE: Site security services will be increased thru end of May 2009. Long term site security is major concern and plan of action must be determined prior to expiration of site security services. 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 will research cost, effectiveness, and various options. Discuss the number of padlocks necessary and the install of lock box at the main gate. The lock box could be accessed by local police and fire in the event of plant emergency. The lock box would contain gate and door keys, MSDS, and plant layout drawing.

NO CHANGE: Gary Blanchard is now assigned to this project and will not perform

regularly scheduled TOB inspections. 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. Monthly report with updated schedule is also distributed to Progress Meeting attendees after the end of each month. Navy's Chris Shukis and Greg Pearman are to review w/ TtEC the redzone checklist (80% construction complete) and project turnover checklist prior to the next progress meeting.

Start-up is anticipated by early June, the week of June 8. Potable water connection status may impact start-up. Contaminated groundwater treatment by end of June, week of June 29.

TtEC will summarize meeting and distribute meeting notes prior to the next progress meeting scheduled for Tuesday, May 12, 2009 at 11:00 a.m. A conference call in number will be established for those who cannot attend in person.





TIG  
corp

www.tigg.com

724.703.3020

⚠ DANGER ⚠

