



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 12/21/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Gene Miles, City of Long Beach
Rick Gray, City of Long Beach
Jake Binoin, City of Long Beach
Dan Naughton, PACE Engineers, Inc.
Dave Wiebe, PACE Engineers, Inc.
Casey Danforth, Rotschy, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- See the attached three week look-ahead schedule. There will be a short week after Christmas with work Monday through Wednesday only.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- No discussion.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- The main impound pump station was discussed. No additional check valve on the suction side of the system is desired by the City at this time. Rick Gray would like a small diameter line with a manual valve installed connecting the discharge piping and the intake piping. This is necessary to fill the pump chambers and intake manifold prior to start-up of the system. After initial start-up, the discharge check-valves are anticipated to hold and maintain a flooded suction. The main impound pump station will be tested prior to plant start-up to confirm pump station is operating as designed or to allow sufficient time to address issues prior to plant start-up.
 - a. Drains from the flow-meter vaults were discussed. All drains are installed and functioning.
 - b. There appears to be a blockage in the electrical conduit between the WTP and the main impoundment. The electrician is currently researching the cause of the blockage and an appropriate solution.
 - c. Discussed the routing of the electrical conduits and any potential conflicts with the ductile iron Matticks Creek line. Apparently there is no conflict.
- The job trailer will be moved off-site after January 1st. Required notices posted in the trailer will be moved to an appropriate location in the WTP building.
- A list of labels for misc. process piping was provided by Casey. Rick Gray approved the labeling and requested that white letters be used on a coded color background. In addition, Dan Naughton requested that the utility piping be labeled to distinguish it from the potable water piping.
- Dan Naughton reviewed the location of the de-chlor feed pump located in the southwest corner of the WTP building. It appears that the pump stand is too high on the wall and should be lower to provide a flooded suction. Due to limited available wall space, Rotschy will wait for the chlorine analyzer prior to selecting final placement for the de-chlor feed pump and the chlorine analyzer.
- Corrosion protection for the bottom of the steel doors was discussed. Rick will drill holes in the bottom plate to drain excess moisture that may accumulate inside the doors.
- Rotschy was requested to provide a firm price for providing a protective CMU wall around the generator at the Dohman impound and a 6' cyclone fence with a razor wire around the communications system



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antenna in the same location.

- Discussed power to the CIP vault. Cundiff is awaiting actual pump power requirements before determining how appropriate power may be provided.
- The EFM vault needs an injection point in the influent line that will allow de-chlor chemical to be disbursed evenly. Casey and Rick will coordinate this location and mounting for best results.

7. **CONTRACTOR CONCERNS:**

- No discussion.

8. **ENGINEER / CITY CONCERNS:**

- The City has elected to purchase the following additional redundant pumps to be stored for emergency back-up use as necessary.
 - a. Hypochlorite generator brine feed pump.
 - b. Sodium hypochlorite chemical feed pump.
- The implementation of the existing chlorine dioxide generator and the Siemens proposal was discussed. Rick hopes to do the work after the PALL equipment is set up and the PALL technicians are on-site, saving the cost of one trip by Siemens. It is important for coordination with PACE, PALL, Rotschy, Siemens, and the City. Siemens needs a minimum of 2 weeks advance notice. Required power and control wiring will be provided by Rotschy. All chemicals will be supplied by the City.

9. **Q & A:**

- No discussion.

