



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 12/07/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Dan Naughton, PACE Engineers, Inc.
Dave Wiebe, PACE Engineers, Inc.
Rick Gray, City of Long Beach
Casey Danforth, Rotschy, Inc.
Darin Kysar, Rotschy, Inc.
Barry Halderg, Northeast Electric

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- Casey Danforth provided the attached three week schedule for review.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- The response to RFI 38 needs to be revised. Sheet E5 should be revised to show the remote heads to be located on the instrument panels for FIT010, FIT020, FIT070, LIT010, LIT020, and LIT030. The wiring for SP-010 appears incorrect and should match that for SP-020 and SP-030. Manual motor starters with lock boxes should be provided for SP-010, SP-020, and SP-030. PACE will determine if the PALL system will need to control SP-010, SP-020, and SP-030. The peristaltic pump serving Connection Point D (CT compliance point) should only be in operation when the clearwell vertical turbine pumps are in operation.
- RFI 41 was discussed regarding the voltage requirements of the chlorine generator controller. It is proposed by the electrical sub-contractor to use a "Buck Booster" to increase the PUD supplied 208 voltage to the required 240 volts. Cundiff will review and advise on this RFI.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- Rick Gray has requested that a separate line be installed to provide pre and post injection raw water to the streaming current monitor. Rick will provide the contractor with a three-way valve and a flow meter for installation.
- Rick Gray requested that the mounting bases for the potable water pumps be modified with slots to allow each pump to be moved away from the contiguous union on the suction line for pump removal.
- The chemical tank mixers should be hard-wired with manual on-off switches for operation.
- The genset mounting pad was discussed. The pad was constructed per the structural drawings.
- There was a discussion about the bubblers for the instrumentation panels. The PRV's are not required when the bubblers are on-line but will be required if the City should elect to bypass the bubblers in the future. Rick Gray requested that the PRV's not be installed but should be provided to the City in the event the bubblers are removed at a later time.
- SP-040 will require a three-way valve to allow water to be pumped to waste or routed to the laboratory sink for sampling purposes.
- As noted previously, Cundiff will be issuing a design clarification to indicate that the chemical feed pumps are plug-in and not hard-wired. Cundiff will show only single receptacles for these chemical feed pumps.



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 2 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 12/07/10	CONTRACTOR: Rotschy, Inc.

7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- Rich Gray mentioned his concerns about the operation of the water level sensors in the two reservoirs. The reservoirs are designed to operate in series and water levels controlled by the PALL system. In the event that one reservoir is taken out of operation for maintenance, how will this impact the operation of the water treatment plant? This is a controls concern that will be addressed when PALL is on-site.

9. Q & A:

- No discussion.

LONG BEACH WATER TREATMENT PLANT

THREE WEEK ROLLING SCHEDULE

DATES	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25
DESCRIPTION OF WORK	RED LETTERING INDICATES INSPECTION DATES																				
TREATMENT BUILDING																					
Treatment bldg rough plumbing		x																			
Interior lighting install											x	x				x	x				
Elect. Rough in		x	x	x	x				x	x	x	x									
Process Piping		x	x	x	x				x	x	x	x									
Chemical feed pump install				x	x				x	x											
Locker install/ restroom accessories																x	x	x			
Metal roof install			x	x	x	x			x	x	x	x	x			x	x	x	x	x	x
Acoustical tile install																				x	
Finish plumbing install							x														
Cabinet install				x																	
ACH/Soda/bicarb tank install + piping				x	x				x	x	x	x				x	x	x	x		
Clean treatment building floor																				x	x
Apply floor hardener (12/29)																					
PUMP STATION/DOHMAN/C.DIOXIDE																					
Metal roof/walls install			x	x																	
Insulation					x																
Drywall									x	x	x	x	x			x					
Paint																	x	x			
Main Impound pump install																				x	x
HVAC ductwork																				x	