



# MEETING MINUTES

<b>PROJECT:</b> Water Treatment Plant	<b>PAGE:</b> 1 of 2
<b>OWNER:</b> City of Long Beach	<b>PROJECT NUMBER:</b> 08856
<b>MEETING DATE:</b> 3/8/11	<b>CONTRACTOR:</b> Rotschy, Inc.

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

**1. COMMENTS ON PREVIOUS MEETING:**

- No discussion.

**2. SCHEDULE:**

- Casey Danforth provided the attached updated start-up schedule.
- The chlorite analyzers start-up will be rescheduled to 3/18.

**3. O&M MANUALS:**

- Casey indicated that Rotschy was making progress on the required O&M manuals.

**4. RFI'S:**

- No discussion.

**5. PROPOSED CHANGE ORDERS:**

- Change Order #3 was presented and approved by Council on 3/7/11.

**6. CONSTRUCTION ISSUES:**

- Furrow Pump's visit was discussed. Rick Gray will be out of town on Thursday and Jake Binoin will meet the representative for training.
- Pall Corporation will have one person on-site Friday, March 11<sup>th</sup>, and a second person on-site for flushing, testing, and setting up the Pall furnished instrumentation on March 15<sup>th</sup>.
- The DOH schedule was discussed. They will be on-site March 23<sup>rd</sup>. DOH is currently reviewing the start-up schedule and the monthly report template.
- Level indicators for the reservoirs and clearwell should arrive on Friday, March 11<sup>th</sup>. The transmitting units were delayed and should arrive by March 18<sup>th</sup>.
- Chlorination of the clearwell was discussed. Casey Danforth hopes to do this work March 10/11. The contractor will spray the curtains and all concrete surfaces with a dilute concentration of chlorine and then the clearwell will be filled with chlorinated water in excess of 50 PPM. Rick Gray will determine the dosage rate.

**7. CONTRACTOR CONCERNS:**

- No discussion.

**8. ENGINEER / CITY CONCERNS:**

- There was a discussion about the over-sized pump motors for both Dohman and the clearwell. Rick Gray wants to have Cundiff Electric sign off on the final motor/VFD configuration. Rick Gray also needs to know if the pump curve changes with the higher horsepower motors. If Cundiff approves the larger horsepower motors, Rick has requested an extended warranty.
- TTHM potential levels may need to be monitored during the start-up period and test results sent to Teresa Walker. Dan Naughton will coordinate with DOH.
- Rick Gray indicated that Siemens has been unresponsive regarding their schedule to rebuild the existing chlorine dioxide generator.
- Rick Gray will obtain the buffers necessary to test the ChemTrac and Prominent analyzers.



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- There is a concern about the tank ventilation motor for the chlorine generator unit. If the motor fails, the system will shut down. Rick Gray would like to have an extra blower available on-site in the event of failure. Dan Naughton is looking into this with TMG.

9. **Q & A:**

- No discussion.

LONG BEACH WATER TREATMENT PLANT

THREE WEEK ROLLING SCHEDULE

DATES	3/6	3/7	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26
DESCRIPTION OF WORK																					
TREATMENT BUILDING																					
Water tie in at the Treatment building		x	x																		
Generator test/training (Main and Dohman)		x	k10am																		
Chemical Feed Pump start up				x																	
Hypochlorite generator start up					x	x															
Install Dohman VTP			x	x																	
Install Clearwell VTP			x	x																	
Disinfect clearwell			x	x																	
Finish Painting (Doors, pipework, bollards etc.)					x	x			x	x											
Install Level Indicators					x	x															
PALL Programmer on site						x	x	x	x	x	x	x	x	x	x	x	x	x			
PALL Commissioning agent on site										x	x	x	x	x	x	x	x	x	x	x	x
Radio Telemetry start up						x															
Potable water pumps									x	x											
Main Impound pumps									x	x											
MCC Training											x	9am									
Dohman VTP startup										x											
Clearwell VTP start up										x											
Actuated control valves											x										
Chlorite Analyzers										x											
Chlorine Analyzers										x	x										
Turbidimeters										x	x										
PH/Temp sensors											x										
SCM & Chlorine Dioxide Analyzers																x					
Run water to waste																	x	x	x		
Water to Town?																					x
LONG BEACH WATER TREATMENT PLANT																					

DATES

THREE WEEK ROLLING SCHEDULE

## LONG BEACH STARTUP SCHEDULE

ITEM	Conf.	DATE	DAYS	COMPANY	PHONE #	CONTACT
RADIO TELEMETRY STARTUP	Y	3/11/2011	10:00 AM	1 NE ELECTRIC/IND. SYSTEMS	360.921.8141	BARRI HALBERG
TELEPHONE/INTERNET TO BUILDING	Y	3/3/2011		1 CENTURY TEL(CITY OF LB)		RICK GRAY
COMPLETE WATER TIE IN TO TREATMENT BLDG	Y	3/7/2011		1 ROTSCHY	360.518.4496	CASEY DANFORTH
DISENFECT CLEARWELL	Y	3/10-3/11		2 ROTSCHY	360.518.4496	CASEY DANFORTH
INSTALL VTP'S	Y	3/8-3/11		4 ROTSCHY	360.518.4496	CASEY DANFORTH
SODIUM HYPOCHLORITE GENERATOR	Y	3/10-3/11/11		2 TMG SERVICES	253.779.4160	TERESA CORRINGTON
TREATMENT & DOHMAN GENERATORS	Y	3/7-3/8/2011		2 NE ELECTRIC/PACIFIC P. GEN.	360.921.8141	BARRI HALBERG
CHEMICAL FEED PUMPS	Y	3/9/2011		1 FURROW PUMPS	503.682.4411	PHIL PELLITIER
PALL IO TESTING/FLUSH	Y	3/10-3/14		2 PALL CORP.	315.382.3912	JERRY HULL
LOAD AND FLUSH MODULES	Y	3/15/2011		2 PALL/ROTSCHY	360.518.4496	CASEY DANFORTH
MCC TRAINING	Y	3/16/11	9:00 AM	1 NE ELECTRIC/ GE	360.921.8141	BARRI HALBERG
DOHMAN VTP'S STARTUP/CALIBRATION	Y	3/15/2011	8:00 AM	1 RUECK CO.	503.737.9259	MATT MURRAY
CLEARWELL VTP'S STARTUP/CALIBRATION	Y	3/15/2011	10:00 AM	1 RUECK CO.	503.737.9259	MATT MURRAY
ACTUATED CONTROL VALVES	Y	3/16/2011	12:30 PM	1 CONSOLIDATED SUPPLY	503.881.1831	CRAIG BLANTON
POTABLE WATER PUMPS	Y	3/14/2011	7:00 AM	1 PALL CORP.	315.382.3912	JEFF ELKINS
MAIN IMPOUND PUMPS	Y	3/14/2011	12:30 PM	1 PALL CORP.	315.382.3912	JEFF ELKINS
CHLORITE ANALYZERS	Y	3/18 <del>3/15/2011</del>	12:30 PM	1 CORRECT EQUIPMENT	503.616.8279	TIM OWENS
CHLORINE ANALYZERS	Y	3/15/2011	2:00 PM	1 PALL CORP.	315.382.3912	JEFF ELKINS
TURBIDIMETERS	Y	3/15/2011	3:00 PM	1 PALL CORP.	315.382.3912	JEFF ELKINS
PH/TEMP. SENSORS	Y	3/16/2011	9:30 AM	1 PALL CORP.	315.382.3912	JEFF ELKINS
SCM & CHLORINE DIOXIDE ANALYZERS	Y	3/21/2011	8:00 AM	1 TREATMENT EQUIPMENT CO.	503.799.3075	RIC TOWER
FLOW METERS/PIT'S/LIT'S		3/17/2011	8:00 AM	1 TOURANGEAU	503.691.6100	STEVE MCREYNOLDS
SAMPLE & PERESTALTIC PUMPS	Y	3/14/2011	1:30 PM	1 ROTSCHY	360.518.4496	CASEY DANFORTH
PALL TRAINING	Y	3/17-3/25		9 PALL CORP.	315.382.3912	JEFF ELKINS
RUN WATER TO WASTE FOR 3 DAYS	Y	3/22-3/24		3 PALL CORP.	315.382.3912	JEFF ELKINS