

**Monthly Construction Summary Report
South Bay International Wastewater Treatment Plant
Secondary Treatment Upgrade
August 24, 2010**



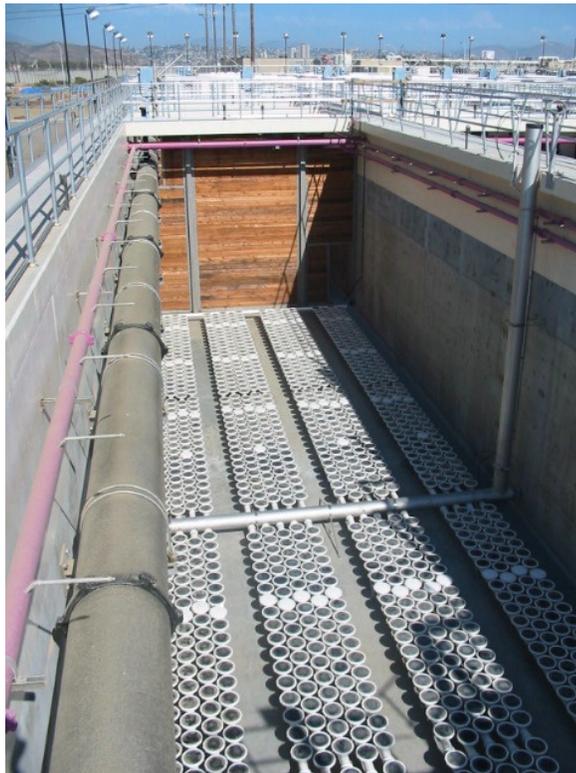
Aerial View Looking East



Sludge Collection Equipment, Secondary Sedimentation Tanks



Secondary Sedimentation Influent Channel



Aeration Basin Diffuser Array



DAF Tanks Pressure Tanks, Pumps and Piping



USST Tank No. 2

1. Overview - (Progress Report From Week of August 16) – ASTs- Continued handrail. Installed sump pump floats in gallery. Continued pull boxes, light fixtures and mounting plates on walkways. SSTs – Continued sludge collector equipment, including relocation of sprockets and additional anchor bolts for drives. Installed sump pump floats in gallery. Anchoring aluminum covers at launders. Continued handrail. Painting at RAS and NPW pump stations. Continued lights, disconnects, wiring, and terminations in gallery and LCC Building. DAF- Continued process

pipng and supports, pumps and air pressurization tanks. Continued polymer piping. Grouting tank floors today. USST #2- Installed NPW lines on roof. Began piping inside tank. Completed tank interior polyester coating on ceiling and down walls to about 7' above floor. Began tank exterior cementitious coating. Blower Bldg – Continued roofing. Continued light fixtures, disconnects, conduit and wiring. O&M Bldgs – Completed FM200 fire suppression system. Continued plumbing fixtures. Continued locker and restroom accessories. Installed wire mesh partitions. Continued electrical devices and wiring. Generator –NA Sitework – Continued subgrade and base for roadways. Continued redwood header for Border Patrol road. Continued forming and pouring light pole bases. Continued misc ductbank work. Misc.- Parada continued painting pipe and equipment in yard.

Project Schedule

- a. Notice to Proceed Signed November 24, 2008
 - b. Construction Duration 830 days
 - c. On site work began January 5, 2009
2. Project Financial Information
- a. Award Amount \$87, 637, 816
 - b. Current Contract Amount \$92,136,044
 - c. Modification No. 1 - \$179,150
 - d. Modification No.2 - \$62,819
 - e. Modification No. 3- No cost change
 - f. Modification No. 4 – VE <\$151,380>
 - g. Modification No. 5 – VE <\$35,939>
 - h. Modification No.6 – install duct bank vs bus duct
 - i. Modification No. 7 – No cost change
 - j. Modification No. 8 – Not Used
 - k. Modification No. 9 - \$555 (definitization of Unilateral Mod No.7)
 - l. Modification No. 10 -\$2,000
 - m. Modification No.11 - VE <\$8,224.69>
 - n. Modification No. 12 – VE <\$5,175>
 - o. Modification No. 13 – cancellation of Modification No. 6
 - p. Modification No. 14 - \$7,342 (addition of jib crane)
 - q. Modification No.15 - time extension of 70 calendar days - Mods 1 and 2
 - r. Modification No. 16 - \$1,857 (definitization of Mod 14)
 - s. Modification No.17 - \$11,377 (I&C Participation)
 - t. Modification No. 18 - \$52,074 (I&C additions)
 - u. Modification No. 19 - \$7,000 add VPN (unilateral)
 - v. Modification No.20 - \$850,000 (acceleration- unilateral)
 - w. Modification No. 21 – \$12,022 (RFIs 427 and 385)
 - x. Modification No. 22 - \$19,846 (Submittal 11 82 18 increase slab thickness Blower Bldg and RFI 328)
 - y. Modification No.23 - \$3,170,715 (definitization of Mod 20, acceleration with secondary compliance date of January 5, 2011 and final contract completion date of April 15, 2011.)
 - z. Modification No. 24 - \$15, 949 (Definitization of Mod 19)

- aa. Modification No. 25 - \$24,900 (Addition of C channels or HVAC, modify sump pump electrical, add conduits between MCC –SST1 and LCC-SST1, change lighting fixtures at SST Effluent Area.)
- bb. Modification No. 26 - \$25,132 (Add AST Corner Reinforcing Steel, Add 6 electrical conduits from EH33A to SST, Add Conduits between SST-LC1 and TPB)
- cc. Modification No. 27- \$70,728 (Add Automatic Transfer Switch, Add SST Wall Recesses, Add Upgrade SST and AST Sump Pumps)
- dd. Modification No. 28 – \$16,840 (Add Drain Lines for TWAS Pumps, Add Widen North Wall SST Effluent Channel, Relocate NPW and PWA Piping around SDG&E Power Pole.
- ee. Modification No. 29 - \$41,477 (Add Floor Drain Changes, Add Change to Existing PCL Switchgear with Allen Bradley Compact Logix)
- ff. Modification No. 30 - \$62,578 (Add 16” Duplex Basket Strainer)
- gg. Modification No. 31 - \$26,252 (Provide additional SCADA and Programming for RS View Conversion)
- hh. Modification No. 32 - \$10,003 (Provide Electrical Connections for Exhaust Fan relocation, SST Gallery)
- ii. Modification No. 33 - \$28,331 (Resolve Storm Drain/Water Line Conflict and Extend Four Electrical Conduits for Future SST Expansion)
- jj. Modification No. 34 - \$31,194 (PERC Isolation, Temporary Relocation of Lighting Circuit at USST No.1)
- kk. Modification No. 35 - \$50,000 (unilateral - Modify SST Influent Channel – Channel Air Drop Legs and Mid Channel Fillet Wall)
- ll. Modification No. 36 - \$100,000 (unilateral - Modify SST Influent Channel – Channel Air Drop Legs and Mid Channel Fillet Wall)
- mm. Modification No. 37 - \$36,361 (Add Flex-Tend and Ex-Tend Expansion Joints, USST)
- nn. Modification No. 38- \$23,399 (Add ARC Flash Hazard Analysis and Change Two Chemical Metering Pump Types)
- oo. Modification No. 39 – \$18,154 (definitization of Mod 18, I&C Additions)
- pp. Modification No. 40 – \$13,833 (additional chemical pipe testing manhole and relocation of channel air diffusers)
- qq. Modification No. 41 - <\$34,697> (credits for air blower disenclaves, air suction piping insulation and air channel blower enclosures deletion)
- rr. Modification No. 42 - <\$2,124> (credit for substitution of foreign material)
- ss. Modification No. 43 - \$1,241 (add Z shape embedment for future launder)
- tt. Modification No. 44 - \$56,089 (add Primary Effluent Bypass Structure air bubbler level controller)

3. Project Status

Approximately 30 PCL salaried personnel are on site, 100 additional personnel have been hired. To this date, 24 of 28 subcontractors have worked, or are currently working, on site.

PCL has submitted 638 Requests for Information (RFIs); approximately 99% have been answered: of 683 submittals, approximately 650 have been answered.

4. Site Conditions
 - a. Dry
5. Key Events
 - a. None
6. Detailed Project Schedule – The USIBWC has issued a unilateral modification to accelerate the contract performance period to insure that SBIWTP effluent will be compliant with the secondary standard by January 5, 2011. A final agreement on the modification was reached and a letter was sent to the San Diego Regional Water Quality Control Board on March 23, 2010. Scheduled date of final contract completion will be April 15, 2011. Seeding of the secondary plant with activated sludge will begin in mid November 2010, and start up activities will take place from mid November to January 1, 2010.
7. The latest schedule is shown on the attachment .pdf file. This monthly schedule update is for information purposes only and does not ascertain, affirm or infer definitive changes to the contract's base-line schedule, which represents the contractual performance period agreed upon by the parties. Any implied or actual impact on the schedule as reported in this update is subject to review and negotiation prior to acceptance into the base-line schedule by the IBWC.