

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



Plant Control Center, Operations and Maintenance Bldg.



Testing Fine Bubble Diffusers in Aeration Basins



Interior Coating , Unstabilized Sludge Storage Tank



New Tile Work, Showers in O&M Building



Dissolved Air Flotation System



New Lockers, O&M Building

1. Overview - (Progress Report From Week of October 20) – ASTs – Poured wall extension at gallery south stairwell. Continued work on hose stations. Continued wire terminations at motorized valves. SSTs – Completed startup on WAS, RAS, and NPW pumps. Continued work on hose stations. Continued wiring and terminations at LCC Bldg. DAF – Seal water and misc piping devices. Installed bubbler level monitoring panels. Continued conduit and wire to equipment. USST #2 – Continued seal water at mixing PS. Continued painting process piping outside

tank. Wiring at mixing pump station. Blower Bldg – Continued conduit and wiring at blowers, including for blow off valves, and inside electrical room. O&M Bldgs. – Continued Maintenance Bldg furniture (storage shelves). Wiring and equipment in control room. Completed landscape irrigation piping. Generator – ASCO continued generator controls. Sitework – Completed redwood headers and base, and began roadway asphalt placement. Poured PCC pavement at DAFT area. Misc – Leak tested AST influent and SST effluent channels. Continued misc. handrail.

2. Project Schedule

- a. Notice to Proceed Signed November 24, 2008
- b. Construction Duration 830 days
- c. On site work began January 5, 2009

3. Project Financial Information

- a. Award Amount \$87, 637, 816
- b. Current Contract Amount \$92,657,531
- 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)
- uu. Modification No. 45 - \$20,747 (modification of LCPSSKPS1 to add an RIO panel, including an operator interface terminal)
- vv. Modification No. 46 – \$147,212 (final amount for additional I&C construction resulting from I&C workshops)
- ww. Modification No. 47 - \$104,995 (definitization of Mod 36 – Modify SST influent channel)
- xx. Modification No. 48 –VOID
- yy. Modification No. 49 - \$32,788 (furnish and install field weld reinforcing pads)

- zz. Modification No. 50 - \$25,892 (conversion of existing plant SCADA from RSView32 to FactoryTalkViewSE)
- aaa. Modification No. 51 - \$17,454 (addition of EBBA Iron Flex-Tend expansion joints, USST2)
- bbb. Modification No. 52 - \$6,812 (modification of AST baffle door latches)
- ccc. Modification No. 53 - <\$120,074> (irrigation and landscaping credits)
- ddd. Modification No. 54 - <\$7,369> (credit for SST beam deletion, NEMA 7 housing and elevated blower building walkway platform.)

4. Project Status

Project is 93% complete. Seed sludge hauling is scheduled to begin Nov 16, 2010 with initial startup of the activated sludge system.

Approximately 20 PCL salaried personnel are on site. PCL is ramping down and continues to move personnel to other sites. To this date, 31 of 31 subcontractors have worked, or are currently working, on site.

One of the PCL office trailers has been moved from the site as personnel move to other jobs.

PCL has submitted 669 Requests for Information (RFIs); approximately 100% have been answered: of 765 submittals, approximately 750 have been answered.

5. Site Conditions

- a. Moist

6. Key Events

- a. None

- 7. Detailed Project Schedule –Scheduled date of final contract completion will be April 12, 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. The date of secondary compliance is now January 4, 2011.
- 8. 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.