

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



**Vendor Training SSKPS Pumps**



**IMLR Pump Discharge, Aeration Basins**



**Installation of Return Activated Sludge Pumps**



**Installation of NPW Basket Strainer**



**Installation of Rubber Flooring, O&M Building**



**Aeration Basin Leak Testing**

1. Overview - (Progress Report From Week of September 20) – ASTs – Continued SS PA piping across walkways. Completed handrail. Continued conduit and wire to PA valves. Started up IMLR pumps. SSTs – Reinstalled skimmer actuator shafts. Started up sludge collectors. Completed handrail. Continued lights, disconnects, conduit, wiring, and terminations on walkways and at LCC Bldg. DAF –

Continued process piping and supports. Continued conduit and wire to equipment. Preparation for tanks floor coating. USST #2 – Completed concrete pipe supports inside tank. Continued flushing water connections. Completed mixing pumps discharge piping. Blower Bldg – Continued PA blower discharge piping. Continued disconnects, conduit, and wiring. Completed permanent wiring of bridge crane. Continued cementitious coating. O&M Bldgs. – Continued Maintenance Bldg furniture. Installed and load tested hoists. Set LCP-Admin. Generator – Filled fuel tank completed fuel system startup. Fuel platform handrail. Sitework – Continued perimeter fence. Continued misc ductbank work. Began redwood headers for asphalt roadways. Misc – Completed leak testing of NPW and RAS wet wells and AST tanks 1, 2, and 3. Dismantled remaining tower crane. Parada continued painting pipe in yard.

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 \$92,136,044
- 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)
- 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 90% complete. Seed sludge hauling is scheduled to begin Nov 9, 2010 with initial startup of the activated sludge system.

Approximately 30 PCL salaried personnel are on site, 100 additional personnel have been hired. To this date, 29 of 31 subcontractors have worked, or are currently working, on site.

PCL has submitted 655 Requests for Information (RFIs); approximately 100% have been answered: of 733 submittals, approximately 720 have been answered.

#### 5. Site Conditions

- a. Dry

#### 6. Key Events

- a. None

- 7. 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.
- 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.

