

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



**Fine Bubble Diffusers in AST Basin No.1**



**Coarse Bubble Diffusers, SST Influent Channel**



**Falsework for Cantilevered Stairs at USST No. 2**



**Blower Structure from Top of AST Crane**



**DAF Tank Construction Welding**



**Laying Asphalt Base at Operations Bldg**

1. Overview - (Progress Report From Week of June 22) – ASTs- Continued influent feed lines. Continued fine bubble aeration piping. Installed mixers. Continued handrail. Began installing grating at drainage trenches. Continued touching up

paint on process piping in tanks. Began cementitious coating on north elevation. SSTs – Poured LCC Bldg roof. Poured stairs at RAS pump station. Continued installation of skimmers. Completed FRP weirs at effluent launders. Continued process piping in SSK pump station. Painting process piping in gallery. DAF- Continued painting steel tank No. 2. Continued erection of steel tank No. 1. Began LCC Bldg Roof system. USST #2- Poured first two sections of roof- last 2 pour today. Continued forms and rebar for tank stairway. Began piping connections to tank. Blower Bldg – Installed metal roof deck and rebar for concrete topping at blower room. Poured pad for HVAC equipment. Poured substation pad. Painted beams in electrical room. Poured footings for pipe bridge. Bolting together and anchoring electrical gear. O&M Bldgs –Continued ductwork. Continued interior drywall and painting. Continued ceiling insulation. Began vinyl/acrylic wall covering. Began cement plaster ceilings. Continued distribution and panel installation and pulling wire, and began fixtures in Maintenance Bldg. Poured sidewalks, curbs and PCC pavement. Generator – Continued platforms and diesel fuel accessory tanks. Sitework – Resumed work on 4”/8” NaOCl piping towards EBS. Neal continued ductbanks. Misc – Parada continued painting unassembled DI 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)

#### 4. Project Status

Approximately 30 PCL salaried personnel are on site, 100 additional personnel have been hired. To this date, 17 of 28 subcontractors have worked, or are currently working, on site.

PCL has submitted 597 Requests for Information (RFIs); approximately 98% have been answered: of 585 submittals, approximately 566 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 from the proposed March acceleration schedule/progress update 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.