

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



**Channel Air Blowers, Blower Building**



**Secondary Skimmings Pumps, Skimmings Dry Well**



**Aerial taken from AST Crane, Looking West**



**Installing Flowmeters, AST Gallery**



**DAF Tanks Painting and Walkways**



**Installing Piping at USST No. 2**

1. Overview - (Progress Report From Week of July 12) – ASTs- Continued fine bubble aeration piping. Began flow meters in gallery. Worked on CA diffuser drop legs modifications in influent channel. Installed overhead process air pipe supports on walkways. Began installing access ladders at west end of tanks. Continued touching up paint on process piping in tanks. Continued pull boxes and conduits on north elevations. Continued light fixtures on walkways. SSTs – Continued sludge collector equipment. Worked on CA diffuser drop leg modifications in connector and influent channels. Set NPW sole plates. Installed flow meters in gallery.

Continued handrail. Painting process piping in gallery and in SSK pump station. Applying cementitious coating on north elevations and in LCC building. Setting and assembling electrical gear in LCC Bldg. DAF- Continued assembly inside steel tank No. 2. Continued painting exterior both tanks. USST #2- Completed concrete parapet walls. Forming and pouring pedestals and supports inside tank. Seal water piping at pump station. Completed handrail at tank stairway. Blower Bldg – Completed parapet walls. Began painting beams and ceiling in blower room. Continued assembly of electrical gear and setting electrical panels. O&M Bldgs – Continued painting and PVC wall covering. Completed cement plaster ceilings. Continued wall tile. Continued distribution panel installations and pulling wire. Generator –Continued diesel fuel supply and return lines. Sitework – Continued grading for roads and pavement areas, and began DG border patrol road. Began pouring curbs. Misc – Parada continued painting pipe and equipment in yard. Continued testing of electrical gear. Dismantled SST tower crane and removed temporary power.

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)

#### 4. 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 609 Requests for Information (RFIs); approximately 99% have been answered: of 610 submittals, approximately 590 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.