

TO: BOARD OF DIRECTORS
FROM: MICHAEL S. LEBRUN *msl*
GENERAL MANAGER
DATE: APRIL 5, 2013



PRESENTATIONS AND REPORTS

The following presentations and reports are scheduled:

- C-1) REPORT ON MARCH 27, 2013 REGULAR MEETING CLOSED SESSION
Announcement of actions, if any, taken in Closed Session

- C-2) DIRECTOR OF ENGINEERING AND OPERATIONS
RE: Summary of recent activities.

- C-3) DIRECTORS' ANNOUNCEMENTS OF DISTRICT & COMMUNITY INTEREST AND
REPORTS ON ATTENDANCE AT PUBLIC MEETINGS, TRAINING PROGRAMS,
CONFERENCES, AND SEMINARS.
Receive Announcements and Reports from Directors

- C-4) RECEIVE PUBLIC COMMENT ON PRESENTATIONS AND REPORTS PRESENTED
UNDER ITEM C AND BY MOTION RECEIVE AND FILE PRESENTATIONS AND
REPORTS

TO: BOARD OF DIRECTORS
FROM: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER
DATE: APRIL 5, 2013



**MARCH 27, 2013 REGULAR MEETING
CLOSED SESSION REPORT**

ITEM

Announcement of actions, if any, taken during Closed Session at previous Board Meeting [NO ACTION REQUESTED]

BACKGROUND

The March 27, 2013 Regular Meeting Closed Session included:

1. CONFERENCE WITH DISTRICT LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GC §54956.9 SMVWCD VS. NCSD (SANTA CLARA COUNTY CASE NO. CV 770214, SIXTH APPELLATE COURT CASE NO. H032750 AND ALL CONSOLIDATED CASES).
2. CONFERENCE WITH LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GC SECTION 54956.9, WHITLOW/NCSD (CASE # E20112E1116-00-APS FILED WITH THE DEPARTMENT OF FAIR HOUSING AND EMPLOYMENT)
3. CONFERENCE WITH LEGAL COUNSEL PURSUANT TO GOVT. CODE §54956.9(b):
Anticipated litigation - 1 case
4. CONFERENCE WITH LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GC SECTION 54956.9; NCSD VS. COUNTY SLO, ET AL. (CASE #CV090010)

District Counsel will report on closed session action taken, if any.

TO: BOARD OF DIRECTORS

FROM: MICHAEL S. LEBRUN
GENERAL MANAGER

DATE: APRIL 5, 2013

AGENDA ITEM

C-2

APRIL 10, 2013

**DISTRICT DIRECTOR OF ENGINEERING AND OPERATIONS
SUMMARY OF ACTIVITIES**

ITEM

Report on recent engineering and operations activities [NO ACTION REQUESTED].

BACKGROUND

Director of Engineering and Operations, Peter V. Sevcik, will review the attached written update.

RECOMMENDATION

Staff recommends that your Honorable Board receive the update and ask questions

ATTACHMENT

- A. Engineering and Operations Update

APRIL 10, 2013

ITEM C-2

ATTACHMENT A



NIPOMO COMMUNITY SERVICES DISTRICT

148 SOUTH WILSON STREET
POST OFFICE BOX 326
NIPOMO, CA 93444 - 0326
(805) 929-1133 FAX (805) 929-1932
Web site address www.ncsd.ca.gov

MEMORANDUM

TO: MICHAEL S. LEBRUN, P.E., GENERAL MANAGER
FROM: PETER V. SEVCIK, P.E., DIRECTOR OF ENGINEERING & OPERATIONS *P.V.S.*
DATE: APRIL 5, 2013
RE: ENGINEERING AND OPERATIONS UPDATE

PROJECTS IN CONSTRUCTION

- **Southland WWTF Phase 1 Improvement Project**
 - SCOPE OF WORK - Phase 1 improvements to the treatment plant include an influent metering station, influent pump station, influent screening system, grit removal system, Biolac® extended-aeration system and two final clarifiers as well as gravity belt thickener and lined drying beds for biosolids handling.
 - STATUS
 - Construction in progress
 - Scheduled Contract Completion – May 6, 2014
 - Time Elapsed to Date – 37%
 - Work Completed to Date – 29%

| Construction Contract Cost Summary | |
|---|-----------------------|
| Contract Amount – Cushman | \$10,224,900.00 |
| Change Orders | \$36,226.00 |
| Revised Contract Amount | \$10,261,126.00 |
| Completed to Date | \$2,966,083.04 |

| Project Cost Summary | |
|---|---------------------|
| Description | Contract Amount |
| Design – AECOM | \$1,525,120 |
| Construction Management – MNS | \$1,276,560 |
| Construction Management Contingency | \$65,000 |
| Subtotal | \$2,866,680 |
| Revised Construction Contract – Cushman | \$10,261,126 |
| Construction Contingency Remaining | \$463,774 |
| Subtotal | \$10,724,900 |
| EIR and Permitting | \$115,370 |
| Estimated Total Project Cost | \$13,706,950 |

- **SCADA Upgrade Project**

- SCOPE OF WORK – New SCADA system servers, SCADA software, SCADA software configuration, reconfiguration of all existing remote site control panels, and re-programming of all existing Programmable Logic Controllers (PLC) at all existing remote site control panels
- BUDGETED PROJECT COST \$350,648
- STATUS
 - Completed – Final Billing Pending

| Construction Contract Cost Summary | |
|---|---------------------|
| Implementation Services | \$318,648.00 |
| Change Order | \$24,794.00 |
| Revised Contract Amount | \$343,442.00 |
| Estimated Total Project Cost | \$343,442.00 |
| | |
| Remaining Contingency | \$7206.00 |

- **Blacklake Well #4 Pump Replacement Project**

- SCOPE OF WORK - Replacement of existing well pump, motor, column pipe and discharge piping assembly, downhole well video survey, installation of a new pump control valve, pressure relief and surge anticipating valve, gate valves, check valve, flow meter, air release valve, sounding tube, chlorination tube, transducer tube, service saddles, blowoff piping, and electrical system upgrade.
- STATUS
 - Contract awarded
 - Pre-construction meeting scheduled

| Construction Contract Cost Summary | |
|---|---------------|
| Contract Amount – Sansone | \$202,086.25 |
| Change Orders | \$0.00 |
| Revised Contract Amount | \$202,086.25 |
| Completed to Date | \$0.00 |

| Project Cost Summary | |
|---|---------------------|
| Description | Contract Amount |
| Construction Management – Cannon | \$38,860.00 |
| Construction Management Contingency | \$5,000.00 |
| Subtotal | \$43,860.00 |
| Revised Construction Contract – Sansone | \$202,086.25 |
| Construction Contingency Remaining | \$10,000.00 |
| Subtotal | \$212,086.25 |
| Estimated Total Project Cost | \$255,946.25 |

PROJECTS IN DESIGN AND PLANNING STAGES

- **Supplemental Water Project Phase 1**
 - SCOPE OF WORK – 2,600 lineal feet 24-inch diameter HDD bore, 4,800 lineal feet of 18-inch diameter waterline, 2,726 lineal feet of 24-inch waterline, 300 lineal feet levee crossing jack and bore, flow meter and flow control station, 400 gallon per minute pump station with back-up power, controls, and instrumentation systems, a pressure reducing station and chloramination systems at 4 existing District wells
 - STATUS
 - Evaluation of bids in progress
- **Water and Sewer Master Plan Implementation**
 - Standpipe Tank Inlet Modification and Interior Rehabilitation
 - Design in progress

ENGINEERING AND OPERATIONS REORGANIZATION

- **Personnel**
 - Assistant Engineer started April 1, 2013
 - Wastewater Supervisor application review in progress
- **Transition Plan**
 - Coordinating with Utility Superintendent and Water Supervisor

OTHER PROJECTS AND PROGRAMS

- **Safety Program**
 - Bi-annual traffic control training for all operations employees on March 20
 - Continued to coordinate on-line safety training for all District Employees
- **Development Oversight**
 - Maria Vista Estates – Sunwood and Rialto Capital
 - Tract 2650 – Via Concha - Greg Nester Construction
 - CO 05-0176 – Primrose – Coker Ellsworth
 - 239 West Tefft – Chris Lundberg
 - New Application – 545 Grande – Rudy Bachman

Engineering and Operations Activities Update

April 5, 2013

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MEETINGS

- 3/1 – Proposed Blacklake Golf Course Hotel
- 3/5 – General Manager coordination meeting
- 3/5 – Finance Committee
- 3/6 – IRWM Regional Water Management Group
- 3/7 – Southland WWTF Phase 1 Improvement Project construction progress
- 3/11 – Southland WWTF Phase 1 Improvement Project SCADA
- 3/11 – Blacklake Sewer Master Plan
- 3/12 – Supplemental Water Alternatives Evaluation Committee
- 3/14 – Southland WWTF Phase 1 Improvement Project construction progress
- 3/18 – NMMA
- 3/19 – General Manager coordination meeting
- 3/21 – Southland WWTF Phase 1 Improvement Project construction progress
- 3/21 – Operations/Engineering Coordination meeting
- 3/25 – IRWM Update – South County Workshop
- 3/26 – Supplemental Water Alternatives Evaluation Committee
- 3/28 – Southland WWTF Phase 1 Improvement Project construction progress
- 3/28 – AECOM – Southland WWTF Phase 1 Improvement Project and Supplemental Water Project

ATTACHMENT

- March 2013 Southland WWTF Improvements Phase 1 Project Monthly Construction Progress Report

Nipomo Community Services District



Southland WWTF Improvements Phase 1 Project Monthly Progress Report



Prepared By:
MNS Engineers, Inc.

March 2013

Schedule and Budget Summary

Schedule Summary

| | |
|-------------------------------|---------------|
| Notice to Proceed | July 30, 2012 |
| Original Contract Days | 645 |
| Contract Days Added | 0 |
| Revised Contract Days | 645 |
| Elapsed Time (Days) | (241) |
| Remaining Time (Days) | 404 |
| Contract Completion Date | May 6, 2014 |
| Time Elapsed to Date | 37% |
| Work Completed to Date | 29% |
| Approved Change Orders (Days) | 0 days |

Budget Summary

| | |
|-------------------------------|-----------------|
| Original Contract Amount | \$10,224,900.00 |
| Approved Change Orders (Cost) | \$36,226.00 |
| Revised Contract Amount | \$10,261,126.00 |
| Previous Payments | \$2,392,592.98 |
| Current Month Pay Request | \$573,490.06 |
| Total Work Completed | \$2,966,083.04 |
| Work Remaining | \$7,295,042.96 |

Progress Summary

General Site Work – Piping and Electrical

Summary of Work:

Cushman completed installation of Manholes #4 & #5 and 8" DR piping between the manholes. Bergelectric and Cushman installed electrical pull boxes PB03, PB04 and PB05.

Pictures:



Compacting aggregate base wrapped in fabric for Manhole #5.



Setting base for Manhole #5.



Manhole #5 installed.



Installing 8" DR piping from Manhole #5 to Manhole #4.



Backfilling and installing locator tape over 8" DR piping from Manhole #5 to Manhole #4.



Pull box PBO5 (2 boxes) installed next to the Air Vault.

Process 40 & 80 Aeration & Emergency Basins

Summary of Work:

Cushman completed forms, reinforcement and installation of the pipe penetrations for the Air Meter and Control Vaults. The 18" AR piping was installed from the Blower/Electrical Building through the vaults to the Aeration Basin. Piping for the Emergency Holding Basin is not being installed at this time. Cushman also formed, installed reinforcing, and poured the Distribution Box # 1 foundation and started work on the walls.

Pictures:



Installing drain pipes underneath the Air Vault and Meter Vaults for the piping to the Aeration Basin.



Installing forms and reinforcement for the foundations of the Air Vault and Meter Vaults.



Pouring the foundations of the Air Vault and Meter Vault.



Installing the air piping through the Air Vault and Meter Vault for the Aeration Basin.



Installing the wall reinforcing for the Air Vault and Meter Vault.



Installing the 18" AR piping to the Air Vault and Meter Vaults.



Completing the wall forms for the Air Vault and Meter Vault.



Pouring the Air Vault and Meter Vault walls.



Installing the 18" AR piping from the Electrical/Blower Building to the Air Vault and Meter Vault.



Excavation and base for Distribution Box #1.



Pouring base of Distribution Box #1.



Installing rebar in walls for Distribution Box #1.

Process 45 Electrical/Blower Building

Summary of Work:

Bergelectric, the electrical subcontractor for Cushman, completed installation of under-slab conduits that run through masonry walls as Cushman formed the structure foundation. Reinforcing was installed by CMC and then Cushman placed concrete.

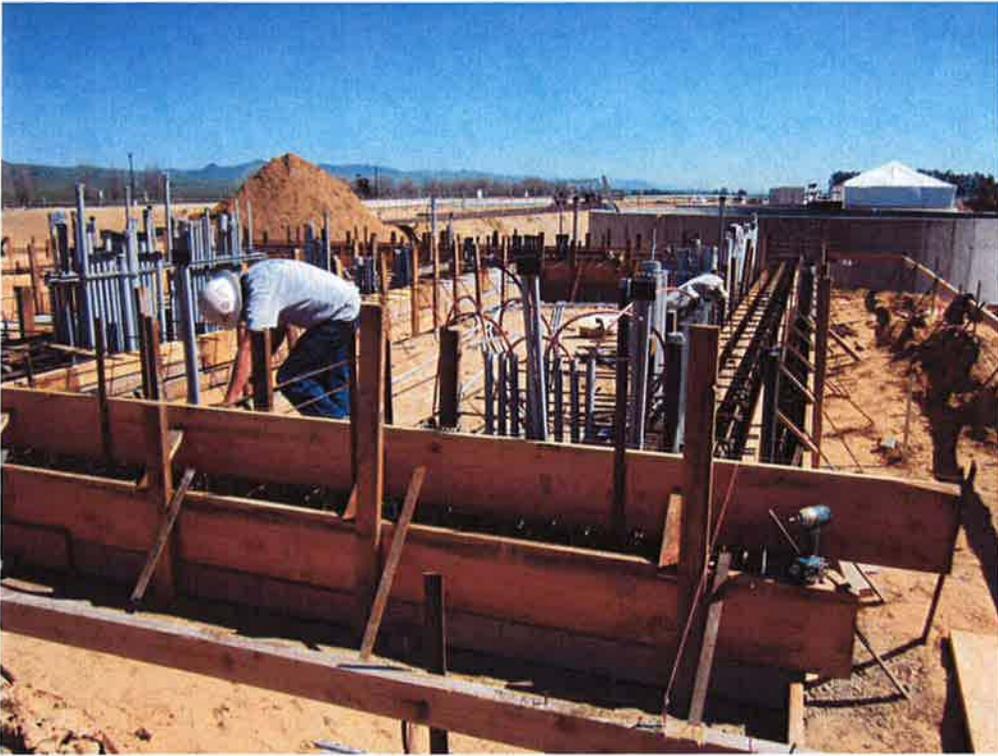
Pictures:



Excavating for Electrical/Blower Building foundation footing.



Backfilling and compacting at Electrical/Blower Building footing.



Bergelectric installing conduit and grounding cables through footing rebar and forms for Electrical/Blower Building.



Pouring Electrical/Blower Building footing.

Process 50 – Secondary Clarifier No. 1 and 2.

Summary of Work:

Cushman patched clarifier form tie holes, applied joint sealant, and performed leak tests in both clarifiers and RAS/WAS pump stations. After patching leaks identified during the leak test, Cushman began installing the form system for the launder in Clarifier #1 and backfilling around both clarifiers and RAS/WAS pump stations. KNK continued to coat clarifier mechanisms.

Pictures:



Leak testing inside Clarifier #2.



Patching leaks after leak test in Clarifier #1.



Sand blasting the top of the first wall pour of RAS/WAS Pump Station #2 to prepare for the second wall pour.



Setting wall forms for RAS/WAS Pump Station #2 second wall pour.



Securing outside wall forms for second pour of RAS/WAS Pump Station #2.



Removing forms after second pour of walls for RAS/WAS Pump Station #2.



Preparing for second wall pour at RAS/WAS Pump Station #1.



Backfilling and compacting around the clarifiers.



Backfilling and compacting around RAS/WAS Pump Station #1 and Clarifier #1.



Backfilling and compacting between Clarifier #2 and RAS/WAS Pump Station #2.



Backfilling and compacting almost complete around clarifiers.



Setting forms for pouring launder inside Clarifier #1.