

TO: BOARD OF DIRECTORS  
FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER  
DATE: MAY 17, 2013

**AGENDA ITEM**  
**C**  
**MAY 22, 2013**

## **PRESENTATIONS AND REPORTS**

The following presentations and reports are scheduled:

- C-1) DIRECTOR OF ENGINEERING AND OPERATIONS  
Receive Update Report regarding recent activities
- C-2) 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-3) RECEIVE PUBLIC COMMENT ON PRESENTATIONS AND REPORTS PRESENTED UNDER ITEM C AND BY MOTION RECEIVE AND FILE PRESENTATIONS AND REPORTS

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FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER  
DATE: May 17, 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

MAY 22, 2013

ITEM C-1

ATTACHMENT A



# NIPOMO COMMUNITY SERVICES DISTRICT

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## MEMORANDUM

TO: MICHAEL S. LEBRUN, P.E., GENERAL MANAGER  
 FROM: PETER V. SEVCIK, P.E., DIRECTOR OF ENGINEERING & OPERATIONS *P.V.S.*  
 DATE: MAY 16, 2013  
 RE: ENGINEERING AND OPERATIONS UPDATE FOR APRIL 2013

### 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 – 42%
    - Work Completed to Date – 37%

<b>Construction Contract Cost Summary</b>	
Contract Amount – Cushman	\$10,224,900.00
Change Orders	\$36,226.00
Revised Contract Amount	\$10,261,126.00
<b>Completed to Date</b>	<b>\$3,747,272.42</b>

<b>Project Cost Summary</b>	
Description	Contract Amount
Design – AECOM	\$1,525,120
Construction Management – MNS	\$1,276,560
Construction Management Contingency	\$65,000
<b>Subtotal</b>	<b>\$2,866,680</b>
Revised Construction Contract – Cushman	\$10,261,126
SCADA Integration – Tesco	\$198,435
Construction Contingency Remaining	\$265,339
<b>Subtotal</b>	<b>\$10,724,900</b>
EIR and Permitting	\$115,370
<b>Estimated Total Project Cost</b>	<b>\$13,706,950</b>

- **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
  - Submittal review in progress

<b>Construction Contract Cost Summary</b>	
Contract Amount – Sansone	\$202,086.25
Change Orders	\$0.00
Revised Contract Amount	\$202,086.25
<b>Completed to Date</b>	<b>\$0.00</b>

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

**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 completed and award recommendation submitted by AECOM

- **Water and Sewer Master Plan Implementation**

- Standpipe Tank Inlet Modification and Interior Rehabilitation
  - Design in progress

- **Blacklake Wastewater Master Plan**
  - Technical evaluation in progress

**OPERATIONS**

- **Southland Wastewater Treatment Facility and Collection System – April 2013**

<u>TOTAL EFFLUENT TREATED</u>	<u>AVERAGE DAILY FLOW TREATED</u>
19.41 Million Gallons	0.647 Million Gallons
59.57 Acre Feet	1.98 Acre Feet

- Effluent suspended solids in compliance
  - Effluent biochemical oxygen demand (BOD) requirements for monthly average (60mg/L) and daily maximum (100mg/L) requirements exceeded
  - Installed new sewage pump #2 at Maria Vista Lift Station
  - Installed two new sewage pumps, guide rails and discharge pipes at La Mirada Lift Station
- **Blacklake Wastewater Reclamation Facility – April 2013**

<u>TOTAL EFFLUENT TREATED</u>	<u>AVERAGE DAILY FLOW TREATED</u>
1.49 Million Gallons	0.083 Million Gallons
4.57 Acre Feet	0.15 Acre Feet

- **Water Distribution System and Wells – April 2013**

<u>TOTAL MONTHLY PRODUCTION</u>	<u>AVERAGE DAILY PRODUCTION</u>
72.9 Million Gallons	2.43 Million Gallons
224 Acre Feet	7.5 Acre Feet

- Completed semi-annual flushing of dead end water lines
  - Pulled Via Concha Well to evaluate for loss of production
  - Sundale Well Motor problems
- **Maintenance Program – April 2013**

<u>Maintenance Measure</u>	<u>Goal</u>	<u>April Totals</u>	<u>Annual Totals</u>
Water meter replacement	35 per month; 420/yr or 10% of total	27 meters replaced	143/420=34%

- Received new F550 Utility Truck and equipping with tools
  - Daily maintenance and operations of wells, lift stations and wastewater facilities
  - Water leaks repaired on Belanger and Avocado
- **Compliance**
    - Monthly Distribution System Coliform Monitoring Summary to California Department of Public Health (CDPH)

- Quarterly Raw Well Water Monitoring Report to California Department of Public Health
  - Annual Water System Report to California Department of Public Health (CDPH)
  - Annual Consumer Confidence Report to California Department of Public Health (CDPH) and NCSD customers
  - Monthly Wastewater Monitoring Report for the Blacklake Wastewater Reclamation Facility to California Regional Water Quality Control Board (CRWQCB)
  - Monthly Wastewater Monitoring Report for the Southland Wastewater Treatment Facility to California Regional Water Quality Control Board (CRWQCB)
  - Completed Monthly 'No-Spill' Certification for California Integrated Water Quality System (CIWQS) for both Southland and Blacklake Sewer Collection Systems
  - Fats Oils and Grease (FOG) re-inspections performed 4/18
  - Annual QA/QC testing in District Environmental Laboratory
  - APCD Annual Inspection of Southland and Blacklake WWTFs 4/23
- **Training**
    - Two staff took Grade II Wastewater Treatment Certification Exam 4/6
- **Personnel**
    - Water and Wastewater Chief Plant Operator (CPO) status transferred from Superintendent to Water Supervisor
    - Recruitment for Wastewater Supervisor position has not yet been scheduled
    - Operations employees Francisco Maldonado and Derek Calleja both successfully completed their introductory year of employment
    - Operations employees Francisco Maldonado and Derek Calleja also obtained the licenses necessary to qualify for advancement to Utility Worker, and effective May 20, 2013 were promoted to fill the District's two vacant Utility Worker positions
    - Recruitment to fill the vacate Customer Service positions has not been scheduled

## **OTHER PROJECTS AND PROGRAMS**

- **Safety Program**
  - Cal/OSHA Update training seminar 4/15
  - AWWA Emergency Preparedness Workshop 4/23
  - Operations Weekly Tailgate Safety training
  - Continued to coordinate on-line safety training for all District Employees
- **Development Oversight**
  - New Service Request - 545 Grande Street, APN 092-142-034
    - Intent-to-Serve application
    - 18 lots with 17 residential units
  - New Service Request – JOM Park, APN 090-141-006
    - Intent-to-Serve application

## Engineering and Operations Update

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- New Service Request - Mallagh, APN 090-136-005
  - Intent-to-Serve application
  - 4 residential units
- Tract 2650 – Willow at Via Concha
- Sunwood (Maria Vista Estates)
- St Josephs Church Sewer Service
- 989 Camino Caballo
- 1050 Willow Road
- 239 West Tefft

### **MEETINGS**

- 4/1 – General Manager coordination meeting
- 4/1 – Santa Maria Times tour of Southland WWTF
- 4/4 – Southland WWTF Phase 1 Improvement Project construction progress
- 4/8 – MKN – Blacklake Wastewater Master Plan Progress Meeting
- 4/9 – Blacklake Well 4 Pre-Construction Meeting
- 4/11 – Southland WWTF Phase 1 Improvement Project construction progress
- 4/11 – Cabinet Meeting
- 4/12 – NMMA
- 4/17 – Supplemental Water Proejct Committee
- 4/17 – Finance and Audit Committee
- 4/18 – Southland WWTF Phase 1 Improvement Project construction progress
- 4/18 – Blacklake Golf Course Operations Coordination
- 4/25 – Southland WWTF Phase 1 Improvement Project construction progress
- 4/25 – Cabinet Meeting

### **ATTACHMENT**

- None