TO: BOARD OF DIRECTORS

FROM: MICHAEL S. LEBRUN
GENERAL MANAGER

DATE: MAY 22, 2015

AGENDA ITEM C
MAY 27, 2015

PRESENTATIONS AND REPORTS

The following presentations and reports are scheduled:

C-1) DIRECTOR OF ENGINEERING AND OPERATIONS
Summary of recent activities

C-2) REPORT ON PREVIOUS MEETING CLOSED SESSION
Announcement of actions, if any, taken during Closed Session at previous Board Meetings:
- May 12, 2015 Regular Board Meeting
- May 21, 2015 Special Board Meeting

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
GENERAL MANAGER

DATE: MAY 22, 2015

AGENDA ITEM
C-1
MAY 27, 2015

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 Sevcik will summarize recent engineering and operations activities.

RECOMMENDATION

Staff recommends that your Honorable Board receive the update.

ATTACHMENTS

A. Engineering and Operations Update for April 2015

May 27, 2015

C-1

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: MAY 21, 2015

RE: ENGINEERING AND OPERATIONS UPDATE FOR APRIL 2015

PROJECTS IN CONSTRUCTION

- **Supplemental Water Project Phase 1 Bid Package 4 – Joshua Road Pump Station**
  - SCOPE OF WORK – 1930 lineal feet of 24-inch diameter waterline, 400 gpm pump station with back-up power, controls, and instrumentation systems, a pressure reducing station and chloramination systems at 4 existing District wells. Work also includes Blosser Road flow control and metering station.
  - STATUS
    - Scheduled Contract Completion – June 2015

SWP Bid Package 4 Construction Contract Cost Summary	
Contract Amount – Spiess Construction Co. Inc.	$4,364,030
Change Orders	$813,176
Revised Contract Amount	$5,177,206
Completed to Date	**$4,335,559**

OPERATIONS

- **Wells and Water Distribution System – April 2015**

YEAR	TOTAL MONTHLY PRODUCTION	AVERAGE DAILY PRODUCTION
2015	180.0 Acre Feet	6.0 Acre Feet Per Day
5 Year Average	187.1 Acre Feet	6.2 Acre Feet Per Day

  - Daily operation and maintenance of 5 operational wells
  - 20+ distribution system routine coliform monitoring samples
  - 30+ distribution system disinfectant residual monitoring samples
  - Via Concha Well – pump replacement authorized May 21, 2015
  - Olympic and Church Wells – out of service and scheduled to be idled when Supplemental Water Project comes on line

- **Southland Wastewater Treatment Facility and Collection System – April 2015**

TOTAL EFFLUENT TREATED	AVERAGE DAILY FLOW TREATED	BOD_5	TSS
17.0 Million Gallons	.57 Million Gallons Per Day	3 mg/l Monthly Average	3 mg/l Monthly Average
52.5 Acre Feet	1.7 Acre Feet Per Day	3 mg/l Daily Maximum	3 mg/l Daily Maximum

  - Daily maintenance and operation of .9 MGD treatment plant and 10 lift stations
  - No reportable sewer system overflow
  - Effluent biochemical oxygen demand (BOD) requirement for monthly average of 60 mg/L met and daily maximum of 100 mg/L requirement met
  - Effluent total suspended solids (TSS) requirement for monthly average of 60 mg/L met and daily maximum of 100 mg/L requirement met
  - 5 Each influent BOD, TSS regulatory compliance samples
  - 5 Each effluent BOD, TSS regulatory compliance samples
  - 31 Effluent settleable solids regulatory compliance samples
  - 31 Each effluent pH, dissolved oxygen regulatory compliance samples
  - Numerous daily process control samples

- **Blacklake Wastewater Reclamation Facility and Collection System – April 2015**

TOTAL EFFLUENT TREATED	AVERAGE DAILY FLOW TREATED	BOD_5	TSS
1.2 Million Gallons	.04 Million Gallons Per Day	26 mg/l Monthly Average	7 mg/l Monthly Average
3.7 Acre Feet	.16 Acre Feet Per Day	42 mg/l Daily Maximum	10 mg/l Daily Maximum

  - Daily maintenance and operation of .2 MGD treatment plant and 3 lift stations
  - Effluent biochemical oxygen demand (BOD) requirement for monthly average of 40 mg/L met and daily maximum 100 mg/L requirement met
  - Effluent total suspended solids (TSS) requirement for monthly average of 30 mg/L met and daily maximum of 100 mg/L requirement met
  - No sewer system overflows
  - 5 Each effluent BOD, TSS, dissolved oxygen regulatory compliance samples
  - 22 Each effluent total coliform, settleable solids, chlorine residual, pH regulatory compliance samples

- **Compliance Reporting**

  - April Monthly Distribution System Coliform Monitoring Summary to California Department of Public Health
  - April Wastewater Monitoring Report for the Blacklake Wastewater Reclamation Facility to Central Coast Regional Water Quality Control Board
  - April Monthly Wastewater Monitoring Report for the Southland Wastewater Treatment Facility to Central Coast Regional Water Quality Control Board
  - April Monthly 'No-Spill' Certification for California Integrated Water Quality System (CIWQS) for Southland Collection System
  - April Monthly 'No-Spill' Certification for California Integrated Water Quality System (CIWQS) for Blacklake Sewer Collection System

PROJECTS IN DESIGN AND PLANNING STAGES

- **Blacklake Wastewater Master Plan**
    - Treatment plant head works project in design
    - Technical evaluation of existing wastewater plant and sewer collection system on hold

OTHER PROJECTS AND PROGRAMS

- **Safety Program**
    - Weekly operations tailgate safety meetings for Operations staff
    - On-line safety training for all District employees

ATTACHMENTS

A. April 2015 Supplemental Water Project Phase 1 Bid Package 4 Monthly Construction Progress Report

Nipomo Community Services District

Supplemental Water Project
Bid Package 4

Monthly Progress Report

Prepared By:
MNS Engineers, Inc.

April 2015

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	December 19, 2013
Original Contract Days	519
Contract Days Added	33
Revised Contract Days	552
Elapsed Time (Days)	(490)
Remaining Time (Days)	62
Contract Completion Date	June 26, 2015
Time Elapsed to Date	89%
Work Completed to Date	84%
Approved Change Orders (Days)	33 days

Budget Summary

Original Contract Amount	$4,364,030.00
Approved Change Orders (Cost)	813,176.03
Revised Contract Amount	$5,177,206.03
Previous Payments	$3,524,793.83
Current Month Pay Request	$810,765.20
Total Work Completed	$4,335,559.03
Work Remaining	$841,647.00

Progress Summary

Joshua Pump Station Site

Summary of Work:

Ely Dodson Construction installed and finished the sheet rock inside the pump station and Coast Painting began coating the walls and ceiling. Quaglino Roofing installed the seamless metal roof on the pump station building. St. Denis Electric completed conduit and receptacle installation in the pump station building and staged the electrical gear at the site. Dahl Air Conditioning set and anchored the air conditioning units. A.H. Ratterree, the landscaping contractor completed conduit, meter and controller installation at the site. Martin Doors installed the metal doors and Coast Painting started priming and coating the doors. Spiess poured the driveway apron to the pump station site, installed stationary bollards, anchored the chemical tanks, and set the surge tank. St. Denis Electric also set the PLC panel at the PRV vault and Spiess installed stationary bollards. AECOM was on site to perform electrical inspections for PG&E service at the pump station site and the PRV vault.

Pictures:

Coast Painting coating the pump station building fascia.

Ely Dodson Construction framing walls and ceiling at the roof hatches.

St. Denis Electric installing conduit and receptacles inside pump room.

St. Denis Electric installing conduit and receptacles inside electrical room at pump station.

Ely Dodson Construction installing sheet rock inside pump station building.

Ely Dodson Construction installing sheet rock inside pump station.

Ely Dodson Construction taping sheet rock inside pump station.

Ely Dodson Construction installing plywood on wall between pump room and electrical room.

Ely Dodson Construction applying topping to sheet rock at pump station building.

Ely Dodson Construction sanding the finish on the pump room ceiling.

Pump room ceiling completed and ready for coating.

Coast Painting coating pump room ceiling.

Coast Painting coating wall between pump room and electrical room.

Quaglino Roofing installing moisture barrier on pump station building roof.


Quaglino Roofing installing seamless metal roof on pump station building.

Quaglino Roofing installing seamless metal roof on pump station building.

Quaglino Roofing installing seamless metal roof on pump station building.

Quaglino Roofing completing seamless metal roof on pump station building.

Spiess forming driveway approach at pump station.

Reinforcing installed for driveway approach.

Spiess pouring concrete for driveway approach.

Concrete pad poured for air release valve at pump station.

Spiess installing chemical tank hold downs and fill piping in both chemical rooms.

Electrical gear delivered to pump station site.

Spiess and St. Denis Electric staging electrical equipment inside pump station building.

Martin Doors installing metal doors on pump station building.

Martin Doors installing metal doors at pump station building.

Coast Painting priming metal doors at pump station building.

Coast Painting applying prime coat to interiors of doors at pump station.

AC units delivered, set and anchored by Dahl Air Conditioning.

Spiess auguring holes in access road for bollards at AT&T pull boxes and other appurtenances.

Spiess pouring bases for stationary bollards at pump station site.

Coast Painting priming stationary bollards along access road.

St. Denis Electric installing PLC at PRV vault.

Coast Painting priming stationary bollards at the PRV vault.

Removable bollards fabricated and delivered to pump station site.

Spiess setting removable bollards at PRV vault.

A.H. Ratterree installing landscape conduit.

Controllers and meters installed for landscaping at pump station site.

Excavation for rip rap at storm drain inlets in retention basin.

Surge tank delivered to pump station site.

Spiess moving surge tank into place on concrete pad.

Spiess moving surge tank into place on concrete pad.

Surge tank in place on concrete pad.

Blosser Road Flow Metering Station Vaults

Summary of Work:

Spiess formed and poured the electrical pad, the SCADA tower base and the site lighting base. They also formed and poured the concrete around the vaults and for the sidewalk. They removed existing curb and gutter and installed the driveway approach for the site. St. Denis Electric installed the electrical panel and AECOM was on site to conduct an electrical inspection to allow PG&E service connection.

Pictures:

Forms and reinforcing for electrical panel pad.

Spiess pouring concrete for the electrical panel pad.

Completed pad for electrical panel.

Electrical panels installed.

AECOM performing electrical inspection for PG&E to allow service connection.

Forms, reinforcing and anchor bolts in place for SCADA tower base.

SCADA tower base poured.

Spiess forming and installing reinforcing for sidewalk and concrete around vaults.

Spiess pouring sidewalk and concrete around vaults.

Spiess pouring concrete around vaults.

Completed sidewalk and concrete around vaults.

Spiess forming driveway approach.

Spiess finishing concrete for driveway approach.

Sundale Well Site

Summary of Work:

Coast Painting primed and coated the metal doors, and sealed the exterior of the building. St. Denis Electric worked on interior conduit and receptacles and outside lights, then started on the underground conduit between the existing building and the new chemical building. Spiess set the chemical feed skid and assembled the eyewash station.

Pictures:

Coast Painting priming metal doors.

St. Denis Electric installing conduit and receptacles in chemical building.

Exterior lighting installed.

Spiess assembling eyewash station.

St. Denis Electric installing underground conduit from existing building to new chemical building.

Coast Painting sealing outside of building.

Chemical feed skid delivered and installed.

Via Concha Well Site

Summary of Work:

Work at this site was temporarily suspended due to District replacing the existing pump.

Blacklake Well Site

Summary of Work:

Coast Painting primed and coated the metal doors. Spiess anchored the chemical tanks and installed fill and overflow piping, and installed the chemical metering skids. St. Denis Electric started work on the underground conduit.

Pictures:

Coast Painting applying primer on doors.

Coast Painting applying final coating to doors.

St. Denis Electric working on trench and installation of underground conduit.

Eureka Well Site

Summary of Work:

Spiess installed fill and overflow piping for the chemical tanks and installed the chemical metering skids. St. Denis Electric started installation of interior conduit and receptacles and underground conduit installation. Coast Painting primed metal doors.

Pictures:

Spiess installing overflow piping on the chemical tanks.

Coast Painting applying prime coat to metal doors.

St. Denis Electric installing underground conduit.

Chemical metering skid installed.