TO: BOARD OF DIRECTORS

FROM: MICHAEL S. LEBRUN MSL
GENERAL MANAGER

DATE: SEPTEMBER 18, 2014

AGENDA ITEM
C
SEPTEMBER 24, 2014

PRESENTATIONS AND REPORTS

The following presentations and reports are scheduled:

C-1) REPORT ON SEPTEMBER 10, 2014 REGULAR MEETING CLOSED SESSION
Announcement of actions, if any, taken in Closed Session

C-2) DIRECTOR OF ENGINEERING AND OPERATIONS
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
GENERAL MANAGER

DATE: SEPTEMBER 18, 2014

AGENDA ITEM
C-1
SEPTEMBER 24, 2014

CLOSED SESSION REPORT

ITEM

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

BACKGROUND

The September 10, 2013 Regular Meeting Closed Session included:

1. CONFERENCE WITH DISTRICT LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GC §54956.9
   a) SMVWCD VS. NCSD (SANTA CLARA COUNTY CASE NO. CV 770214, SIXTH APPELLATE COURT CASE NO. H032750 AND ALL CONSOLIDATED CASES).
   b) NCSD v County SLOCSC #CV090010

2. CONFERENCE WITH LEGAL COUNSEL: LIABILITY CLAIM PURSUANT TO SECTION 54956.95:
   Claimant: Specialty Construction
   Agency: NCSD

Staff will report on closed session action taken, if any.

TO: BOARD OF DIRECTORS

FROM: MICHAEL S. LEBRUN
GENERAL MANAGER

DATE: SEPTEMBER 18, 2014

AGENDA ITEM
C-2
SEPTEMBER 24, 2014

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 Sevcik, will summarize his written report on District capital projects and operations.

RECOMMENDATION

Staff recommends that your Honorable Board receive the update.

ATTACHMENTS

A. Engineering and Operations Update

September 24, 2014

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: SEPTEMBER 18, 2014

RE: ENGINEERING AND OPERATIONS UPDATE FOR AUGUST 2014

PROJECTS COMPLETED

- **Standpipe Tank Rehabilitation and Inlet Modification Project**
  - SCOPE OF WORK - Piping for new inlet and new inlet connection, modification of existing tank inlet/outlet piping, removal and replacement of existing drain/overflow valves, new cathodic protection system, and interior tank coating.
  - STATUS – Project completed and tank back in service

Project Cost Summary	
Construction Contract – Crosno	$301,493.35
Construction Management – Cannon	$70,281.00
Total Project Cost	**$371,774.35**
Budgeted Project Cost	$400,000.00

PROJECTS IN CONSTRUCTION

- **Southland WWTF Phase 1 Improvement Project**

  - STATUS
    - Project completed and new plant on-line
    - Resolution of punch list items in progress

Construction Contract Cost Summary	
Original Contract Amount – Cushman Construction Co.	$10,224,900
Change Order for Alternate Y, Additional Disposal Ponds	$867,900
Other Change Orders to Date	$431,055
Revised Contract Amount	$11,523,855
Completed to Date	**$11,523,855**

- **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 5, 2015
    - Time Elapsed to Date – 52% (279 of 533 days)
    - Work Completed to Date – 22% (Based on approved pay requests)

SWP Bid Package 4 Construction Contract Cost Summary	
Contract Amount – Spiess Construction Co. Inc.	$4,364,030
Change Orders	$587,434
Revised Contract Amount	$4,951,464
Completed to Date	**$1,108,668**

- **Supplemental Water Project Phase 1 – Blosser Road Water Main**

  - SCOPE OF WORK – 5970 lineal feet of 24-inch diameter waterline including 300 lineal feet levee crossing jack and bore

  - STATUS
    - Contract Awarded – September 3, 2014
    - Scheduled Contract Completion – TBD after Notice to Proceed Issued
    - Time Elapsed to Date – 0% (0 of 120 days)
    - Work Completed to Date – 0% (Based on approved pay requests)

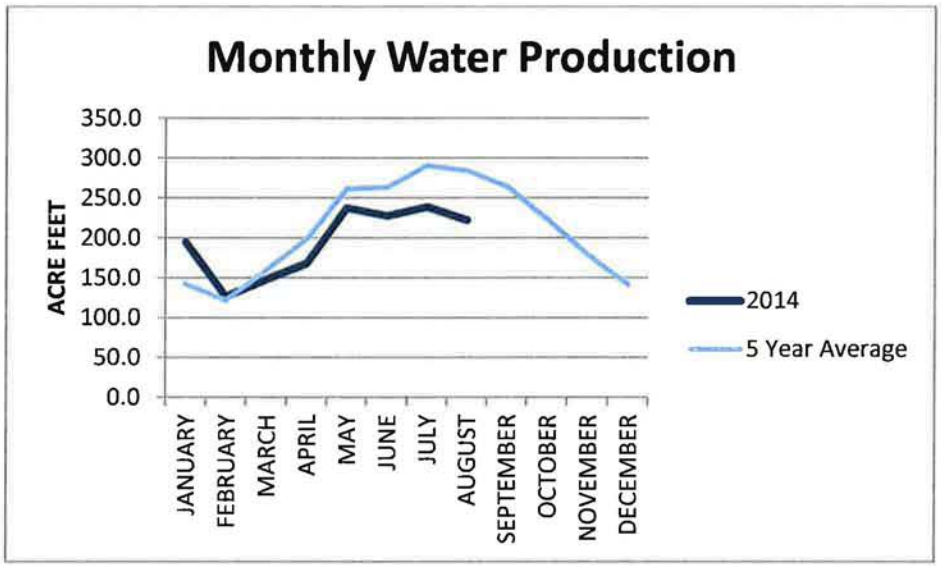
SWP Blosser Road Water Main Construction Contract Cost Summary	
Contract Amount – D-Kal Engineering Inc.	$1,599,999
Change Orders	$0
Revised Contract Amount	$1,599,999
Completed to Date	**$0**

OPERATIONS

- **Wells and Water Distribution System – August 2014**

YEAR	TOTAL MONTHLY PRODUCTION	AVERAGE DAILY PRODUCTION
2014	222.4 Acre Feet	7.2 Acre Feet Per Day
5 Year Average	284.7 Acre Feet	9.2 Acre Feet Per Day

  - Daily operation and maintenance of 5 operational wells
  - 16+ distribution system routine coliform monitoring samples
  - 30+ distribution system disinfectant residual monitoring samples
  - Eureka Well – out of service for repairs
  - Olympic Well – out of service
  - Church Standby Well – out of service



- **Southland Wastewater Treatment Facility and Collection System – August 2014**

TOTAL EFFLUENT TREATED	AVERAGE DAILY FLOW TREATED	BOD_5	TSS
18.0 Million Gallons	.583 Million Gallons Per Day	5 mg/l Monthly Average	4 mg/l Monthly Average
55.2 Acre Feet	1.8 Acre Feet Per Day	8 mg/l Daily Maximum	5 mg/l Daily Maximum

  - Daily maintenance and operation of .9 MGD treatment plant and 10 lift stations
  - No sewer system overflows
  - 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
  - 8 Each influent BOD, TSS regulatory compliance samples
  - 8 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 – August 2014**

TOTAL EFFLUENT TREATED	AVERAGE DAILY FLOW TREATED	BOD_5	TSS
1.2 Million Gallons	.038 Million Gallons Per Day	38 mg/l Monthly Average	23 mg/l Monthly Average
3.6 Acre Feet	.12 Acre Feet Per Day	44 mg/l Daily Maximum	25 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
  - 4 Each effluent BOD, TSS, dissolved oxygen regulatory compliance samples
  - 21 Each effluent total coliform, settleable solids, chlorine residual, pH regulatory compliance samples

- **Compliance Reporting**

  - August Monthly Distribution System Coliform Monitoring Summary to California Department of Public Health
  - Annual Disinfection Byproducts Rule Stage 2 Report to California Department of Public Health (New Requirement)
  - July Wastewater Monitoring Report for the Blacklake Wastewater Reclamation Facility to Central Coast Regional Water Quality Control Board
  - July Monthly Wastewater Monitoring Report for the Southland Wastewater Treatment Facility to Central Coast Regional Water Quality Control Board
  - July Monthly 'No-Spill' Certification for California Integrated Water Quality System (CIWQS) for both Southland and Blacklake Sewer Collection Systems
  - Environmental Laboratory Accreditation Program (ELAP) on-site inspection August 19, 2014 – completion of certification renewal process pending

PROJECTS IN DESIGN AND PLANNING STAGES

- **Blacklake Wastewater Master Plan**

  - Technical evaluation of existing wastewater plant and sewer collection system in progress
  - Treatment plant operations and maintenance manual update is being finalized

OTHER PROJECTS AND PROGRAMS

- **Safety Program**

  - Weekly operations tailgate safety meeting for Operations staff
  - August 14 quarterly safety meeting for all District staff
  - New employee safety orientation for two office employees
  - On-line safety training for all District employees

- **Development Review**

    - Intent to Serve Application Received – 5 (Revised applications)
    - Will Serve Letter Issued – 0

ATTACHMENTS

A. July 2014 Supplemental Water Project Phase 1 Bid Package 4 Monthly Construction Progress Report
B. August 2014 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.

July 2014

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	December 19, 2013
Original Contract Days	519
Contract Days Added	0
Revised Contract Days	0
Elapsed Time (Days)	(248)
Remaining Time (Days)	271
Contract Completion Date	May 22, 2015
Time Elapsed to Date	48%
Work Completed to Date	18%
Approved Change Orders (Days)	0 days

Budget Summary

Original Contract Amount	$4,364,030.00
Approved Change Orders (Cost)	$529,670.00
Revised Contract Amount	$4,893,700.00
Previous Payments	$583,131.80
Current Month Pay Request	$292,036.40
Total Work Completed	$875,468.20
Work Remaining	$4,018,531.80

Progress Summary

Joshua Pump Station Site

Summary of Work:

Spiess installation of the inlet piping and manifold, installed concrete anchor blocks under valves and backfilled. They removed shoring around the pump cans and installed valve risers on the valves at the inlet manifold, then continued backfill and compaction. They also began installation of the 24-inch DIP from the pump station to the BP #1 connection and took delivery of 24-inch DIP which will be installed in the access road.

Pictures:

Spiess abrading valve in preparation for coating touch-up before backfill.

Spiess excavating for concrete blocks and placing epoxy rebar anchors over valves on inlet piping.

Pouring concrete valve anchors on inlet piping.

Spiess compacting around inlet piping and manifold during backfill.

Spiess continuing backfill and compaction over inlet piping.

Spiess removing shoring plates at pump cans.

Removing shoring from around the pump cans.

Spiess continuing backfill around the pump cans.

Spiess installing valve can risers on inlet manifold.

Spiess compacting around the valve can risers.

Fugro testing compaction.

Spiess installing flange adapter on 24-inch DIP.

Spiess installing 24-inch DIP from pump station inlet manifold toward the BP #1 connection.

Spiess excavating for 24-inch DIP between pump station and BP #1 connection.

Spiess installing 24-inch DIP.

Spiess wrapping valves with plastic before backfilling.

Spiess installing marker tape over 24-inch DIP during backfill.

Spiess backfilling over 24-inch DIP.

Spiess compacting over 24-inch DIP.

Spiess taking delivery of 24-inch DIP.

Spiess staging 24-inch DIP along access road for future installation.

Sundale Well Site

Summary of Work:

Spiess poured and finished the chemical building slab.

Pictures:

Spiess placing concrete for chemical building slab.

Spiess finishing concrete at chemical building slab.

Via Concha Well Site

Summary of Work:

Spiess over-excavated for the chemical building slab, installed site piping, and formed the chemical building slab. Subcontractor Vista Steel installed the rebar for the slab and Spiess poured the slab.

Pictures:

Spiess excavating and compacting subgrade for chemical building slab.

Spiess trenching for site piping.

Installing site piping.

Spiess installing 4-inch drain line.

Compacting pipe trenches under future chemical building slab.

Spiess forming chemical building slab.

Spiess subcontractor Vista Steel installing reinforcing for chemical building slab.

Spiess pouring chemical building slab.

Blacklake Well Site

Summary of Work:

Spiess set up temporary fencing, expanding the site to perform construction of the new facilities. A 1-1/2-inch irrigation line and a 4-inch drain line were discovered to be in conflict with the future improvements and had to be relocated. After these were relocated, Spiess continued site work to over excavate and recompact the area under the future chemical building, then install piping.

Pictures:

Installing temporary fencing to expand site.

Spiess relocating existing 1-1/2-inch Irrigation line and 4-inch drain line which interfere with the future structures.

Spiess relocating 1-1/2-inch irrigation line.

Relocated 4-inch riser.

Spiess over excavating for the chemical building slab.

Spiess laying out the chemical building slab.

Spiess installing underslab piping.

Nipomo Community Services District

Supplemental Water Project
Bid Package 4

Monthly Progress Report

Prepared By:
MNS Engineers, Inc.

August 2014

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	December 19, 2013
Original Contract Days	519
Contract Days Added	14
Revised Contract Days	533
Elapsed Time (Days)	(279)
Remaining Time (Days)	254
Contract Completion Date	June 5, 2015
Time Elapsed to Date	52%
Work Completed to Date	22%
Approved Change Orders (Days)	14 days

Budget Summary

Original Contract Amount	$4,364,030.00
Approved Change Orders (Cost)	$587,434.34
Revised Contract Amount	$4,951,464.34
Previous Payments	$879,998.20
Current Month Pay Request	$228,670.34
Total Work Completed	$1,108,668.54
Work Remaining	$3,842,795.80

Progress Summary

Joshua Pump Station Site

Summary of Work:

Spiess installed the 24-inch DIP pipe from the future connection to the HDPE pipe installed under Bid Package #1 back to connect to the pipe they installed from the pump station, including the pig launcher. They backfilled this section of the 24-inch pipe and successfully tested for hydrostatic pressure before beginning work on the pipe extension to the future tank outlet piping.

Pictures:

Spiess backfilling around the pump station pump cans and valve risers.

Fugro on site to test compaction of backfill at future pump station.

Spiess setting shoring for installing 24-inch DIP for future connection to the HDPE pipe installed as part of Bid Package #1.

Spiess bolting up 24-inch valves.

Pig outlet assembled and ready to set into place.

Spiess widening ramp into excavation for pipeline from future HDPE connection.

Spiess installing shoring at future connection point to HDPE pipeline.

End of 24-inch DIP which will be connected to the HDPE in the future.

Spiess continuing installation of 24-inch DIP from the future connection point at the HDPE pipe to the pump station inlet manifold.

Spiess installing the 24-inch DIP.

Spiess adjusting shoring at pig launcher location on 24-inch DIP.

Spiess installing the 24-inch DIP around the pig launcher.

Spiess connection the 24-inch DIP to the "tee".

Spiess setting the pig launcher riser.


Spiess tightening bolts at the top of the pig launcher riser during pressure testing.

Spiess removing shoring around the pig launch and riser.

Spiess backfilling and compacting the 24-inch DIP pipe.

Spiess backfilling around installed valve can risers.


Spiess installing pipe extension to future tank outlet piping.

Spiess installing pipe extension to future tank outlet piping.

Spiess applying wax tape to bolted connection on the DIP pipe for the future tank outlet.

Sundale Well Site

Summary of Work:

Spiess prepared the building slab for block placement, installed the eyewash station slab, and installed the drywell.

Pictures:

Spiess roughening concrete on building slab in preparation for placement of the concrete block.

Spiess installing the drywell at Sundale.

Eyewash station pad installed.

Via Concha Well Site

Summary of Work:

Spiess installed the drywell.

Pictures:

Spiess installing drywell at Via Concha.

Blacklake Well Site

Summary of Work:

Spiess installed underslab conduit and waterline piping for the chemical building slab. Next Spiess prepared the foundation subgrade, installed the vapor barrier and formed the slab. Spiess subcontractor, Vista Steel, installed the reinforcing and Spiess poured the concrete for the slab. Spiess also installed the drywell.

Pictures:

Spiess laying out the foundation and installing underslab conduit and waterlines.

Spiess preparing the foundation base for the chemical building slab.

Spiess installing underslab vapor barrier.

Reinforcing installed for chemical building slab.

Spiess pouring the chemical building slab.

Spiess finishing the chemical building slab.

Assembling the drywell.

Spiess installing the drywell.

Eureka Well Site

Summary of Work:

Spiess performed over excavation of the native material under the future chemical building slab, then laid out the slab and installed under slab piping. Next they formed the slab and then Vista Steel installed the reinforcing. Spiess then began forming the equipment pads on the slab. Spiess also installed the drywell and removed a thrust block on the existing piping for modifications to install a pipe riser.

Pictures:

Spiess over excavating native material under the future chemical building slab.

Spiess backfilling and compacting under the future chemical building slab.


Laying out the chemical building slab foundation.

Trenching for underslab piping.

Spiess installing underslab conduit.

Forming the chemical building slab foundation.

Chemical pad reinforcing installed by Vista Steel.

Spiess forming equipment pads on top of chemical building slab.

Spiess performing demolition of existing thrust block for installation of pipe riser.

Spiess excavating for drywell.


Spiess installing drywell.