



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 5, 2020

DIRECTORS PRESENT

Edward Mandich, Committee Chair

DIRECTORS VIA CONFERENCE CALL

Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager/District Secretary
Lorrie Lausten, District Engineer
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the August 5, 2020 Engineering/Operational Committee Meeting to order at 7:00 AM. Public access to the meeting was made available by video broadcast.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja expressed his appreciation to District staff for the tour of District facilities.

Director Mandich expressed his appreciation to District staff for the tour of District facilities and commented that improved Ridgeline Booster Pump Station looked good. Director Mandich reported that he would be participating in the South Orange County Watershed Management Area Executive Committee Meeting the following day.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi provided updates on the following matters:

- Mr. Paludi expressed his appreciation for the District staff in facilitating the District Facility Tour during the COVID-19 pandemic.
- Mr. Paludi reported that District staff is currently working with Soto Resources on a grant application for a US Bureau of Reclamation grant for funding a District-wide Automated Meter Read/Advanced Metering Infrastructure (AMR/AMI) improvement project.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 5, 2020**

- Mr. Paludi reported that Ms. Lausten was currently assisting Municipal Water District of Orange County (MWDOC) staff on the assessment portion of the consultant selection process for the preparation of the 2020 Urban Water Management Plan (UWMP) update.
- Mr. Paludi provided a brief update on the Poseidon Desalination Project.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

ITEM 2: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee review, and he highlighted the facility improvements reviewed at the facility tour. Ms. Lausten reported that the rehabilitation work for this facility has been completed, and she mentioned that the seven-day test was scheduled to begin that day. Ms. Lausten reported that Ferreira Construction has issued a contract change order for extra work due to unforeseen conditions for a total amount of \$41,360.40. Ms. Lausten presented update construction photos for Committee review and highlighted the updated paint on the exterior suction and discharge piping. Director Mandich asked if this was the last contract change order for this project; Ms. Lausten stated there were no anticipated construction contract change orders. Director Dopudja asked what were the reasons for the contract change order; Ms. Lausten explained the issues were based on in-field observations.

RECOMMENDED ACTION

The Committee approved and recommended the Board of Directors ratify contract change order No. 2 to Ferreira Construction for a not to exceed amount of \$41,360.40 (Action Calendar).

ITEM 3: SOUTH ORANGE COUNTY SALT AND NUTRIENT MANAGEMENT PLAN COOPERATIVE AGREEMENT – WATERSHED MONITORING

Mr. Paludi introduced this matter for Committee review, and he mentioned that the South Orange County Wastewater Authority (SOCWA), of which the District is a member-agency, holds the current recycled water permit. Mr. Paludi reported that he met with the San Juan Basin Authority (SJBA) staff to discuss the impacts and requirements of the proposed South Orange County Salt and Nutrient Management Plan Cooperative Agreement (Agreement) if the District decides to participate in the process; the District as a recycled water discharger is a participant in the SNMP. Mr. Paludi reviewed the terms of the agreement with the Committee and highlighted the proposed administrative costs which were not including in the Fiscal Year 2020/2021 General Fund Budget. Discussion occurred concerning certain terms of the agreement. Mr. Paludi mentioned that representatives from both SOCWA and SJBA will deliver a presentation for the Board of Directors concerning this matter.

RECOMMENDED ACTION

Recommend the Board of Directors approve Trabuco Canyon Water District’s participation in the “Cooperative Agreement for Salt and Nutrient Management Plan” (Action Calendar).

ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Bell Canyon Sewer Lift Station Rehabilitation Project

Ms. Lausten provided a brief project update, and she provided a power point presentation of photos for fencing options. Mr. Paludi reported that District staff have considered improving the quality of the construction fencing for aesthetic purposes. Ms. Lausten presented construction fencing alternatives for Committee consideration and review, and she indicated that the construction fencing has been reviewed and approved by both the Dove Canyon Master Association (DCMA) and the Orange County Fire Authority (OCFA). Discussion occurred concerning the cost analysis of the construction fencing options. Director Mandich recommended forwarding this matter to the Board of Directors for their consideration.

2. The Oaks at Trabuco Development

Mr. Paludi mentioned that there was no update, however the Developer has expressed an interest in an extension of the sewer hauling agreement with the District.

3. SWRCB and PFAS Sampling

Ms. Lausten reported this matter was for informational purposes only, and she mentioned that the State Water Board has identified and requires the District sample for Per- and polyfluoroalkyl substances (PFAS) at the Dimension Water Treatment Plant (DWTP) in the fourth quarter sampling period of 2020.

4. Trabuco Creek Bridge Rehabilitation Project

Ms. Lausten provided an update on this matter, and she mentioned that District staff has met with Orange County Public Works (OCPW) staff to provide input on the proposed Trabuco Creek Bridge Rehabilitation Project. Discussion occurred concerning potential impacts to the District's Trabuco Creek Groundwater Treatment Facility adjacent to the bridge. Ms. Lausten reported that OCPW has requested easements which overlap the District's property and buried domestic water pipelines. Discussion occurred concerning potential improvements to the District's adjacent facility, including the placement of new rip rap on the protective berm. Director Mandich requested that District staff prepare an exhibit which indicated the proposed project and the District's property, facility, and infrastructure for Board consideration.

5. Other Projects

Mr. Paludi provided a brief update on the District's Dam Liability Insurance for Trabuco Dam with ACWA/JPIA, and he mentioned that the deductible is scheduled to increase from \$50,000 to \$1,000,000. Mr. Paludi mentioned that the insurance premium is scheduled to increase as well. Discussion occurred on the value of the coverage and the capacity behind the Dam.

RECOMMENDED ACTION

The Committee recommended forwarding the Board of Directors to review the construction fencing options for their consensus.

Director Mandich recused himself from the meeting and exited the building at 7:49AM.

ITEM 5: SADDLEBACK MEADOWS DEVELOPMENT (181 DU's) – HARRIS GRADE RESERVOIR FEASIBILITY STUDY

Ms. Lausten provided a brief status update on this project, and she mentioned that she met with Tetra Tech to review the preliminary feasibility study information. Ms. Lausten presented preliminary tank siting alternatives to meet the District's emergency storage requirements and the water demands of the proposed development. Ms. Lausten reviewed the updated feasibility study schedule for completion. Discussion occurred concerning potential system impacts due to head loss. Ms. Lausten reported that the draft feasibility study will be presented for review

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 5, 2020**

at the following Committee Meeting. Director Dopudja asked that District staff consider vehicle access at the facility.

RECOMMENDED ACTION:

Committee to receive information at time of the Committee Meeting.

Director Mandich resumed his meeting participation after reentering the building at 7:58AM.

ITEM 6: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for July 2020, and he provided the additional highlights:

1. Trabuco Creek Ground Water Treatment Facility is producing 450 GPM.
2. Water Operations staff conducted an Annual Inspection with the Department of Public Health and made recommended repairs.
3. Water Operations staff flushed 128 hydrants and converted two Dry Barrel's to Wet Barrel's.
4. Water Operations staff recoated top of Tank #2 at the Trabuco Highlands Reservoirs.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee. Mr. Kessler provided a brief update on the installation of smaller screens at the District's domestic water reservoir tanks based on the annual inspection by the Department of Public Health.

RECOMMENDED ACTION

The Committee received the status update.

ITEM 7: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for July 2020, and he provided the additional highlights:

1. Wastewater Operations staff worked with the Maintenance Department to complete the following at Golf Club Sewer Lift Station:
 - a. Cleaned the wet well
 - b. Remove a failed pump
 - c. Installed a new pump
2. Wastewater Operations staff cleaned Golf Club Sewer Lift Station Wet Well.
3. Wastewater Operations staff installed the new air compressor system for the Dove Lake aeration system and worked with Maintenance Department and Hydrotech Electrical to clean up the electrical panel and conduit.
4. Wastewater Operations staff worked with Ferreira Construction to bypass Bell Canyon Sewer Lift Station for the wet well integrity inspection (Exhibit 2).

Mr. Perea reviewed the Monthly Wastewater System Operations Summary with the Committee. Mr. Perea reported that a minor lake turnover occurred at Dove Lake due to aeration system improvements, but that the lake had improved after Operations staff identified and remediated the system issue. Mr. Perea reported that the District received an unsolicited inquiry from the State Water Board concerning the matter, but that the District indicated the cause of the problem and subsequent resolution which satisfied their concerns. Mr. Perea reported that Wastewater Operations staff are monitoring non-domestic water supplies to meet summer month demands.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 5, 2020**

ITEM 8: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for July 2020, and he provided the additional highlights:

1. Maintenance Department staff assisted the following contractors with work at the Dove Recycled Booster Pump Station: Hydrotech Electric, TESCO Controls, and Ferreira Construction.
2. Maintenance Department staff assisted Wastewater Operations and Hydrotech Electric with the Dove Lake aeration compressor install.
3. Maintenance Department staff managed to troubleshoot communication issues at the Heritage Lift Station.
4. Maintenance Department staff replaced ramps for the storage located at the Robinson Ranch Wastewater Treatment Plant.
5. Maintenance Department staff completed the procurement of a new high-flow fire pump for the Topanga Booster Pump Station.
6. Maintenance Department staff completed the procurement of a new first stage pump for the Golf Club Sewer Lift Station.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 9: OTHER MATTERS/REPORTS

There were no other matters or reports provided to the Committee.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the August 5, 2020 Engineering/Operational Committee Meeting at 8:20 AM.