

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Michael Safranski, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Engineer
Kris Hanberg, Wastewater Department Superintendent
Gary Kessler, Water Department Chief Plant Operator
Bob Beck, Maintenance Department Superintendent

STAFF ABSENT

Neil McKenna, Water Department Superintendent

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Mr. Mandich called the October 7, 2014, Engineering/Operational Committee Meeting to order at 7:00 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Mr. Safranski commented on a recent Santa Margarita Water District (SMWD) drought-related public service announcement aired on television. Discussion occurred concerning public outreach methods and the scheduled KNBC Drought Forum at Irvine Ranch Water District.

Mr. Mandich had no comments.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz commented on the following matters:

- Mr. Ruiz mentioned that District Wastewater Operations staff coordinated for the planned Southern California Edison power outage on Friday, October 3rd from 11:00 PM through 1:00 AM on Saturday, October 4th.
- Mr. Ruiz mentioned that Director Glenn Acosta attended and represented the District at the KNBC Drought Forum at IRWD on Saturday, October 4th.
- Mr. Ruiz commented that the Municipal District of Orange County (MWDOC) is currently preparing an Orange County Water Reliability Study for the region. Discussion occurred concerning MWDOC's Request for Proposal for the Study.
- Mr. Ruiz mentioned that Mr. Neil McKenna, Water Department Superintendent was out today, and that Mr. Gary Kessler, Water Department Chief Plant Operator, was in attendance to report the Water System Status.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Ruiz presented the September 9, 2014, Engineering/Operational Committee Meeting Recap for Committee review. There were no comments received.

RECOMMENDED ACTION

The Committee recommended that the Board receive and file the September 9, 2014, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: SHADOW ROCK DETENTION BASIN FACILITY PROJECT

Mr. Ruiz provided a status update on this project, and reviewed the project schedule with the Committee. Discussion occurred concerning project timeline for project bid and completion. Mr. Ruiz mentioned that District staff held a pre-bid project meeting with prospective contractors, and that there was good response from the attendees concerning the project. Mr. Ruiz added that project bids are due on Monday, October 13th, and that District staff will present the bids for consideration at the October 15th Regular Board Meeting. Discussion occurred concerning District staff coordination with the State and County of Orange, and onsite handling of the earthwork.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 3: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project, and reviewed the exhibit District letter to CalOES dated September 19, 2014, regarding Project Status. Mr. Ruiz added that the letter and attachments was copied to Southern California Edison (SCE), County of Orange, and Tetra Tech (Consultant). Discussion occurred concerning the project status with the Federal Emergency Management Agency (FEMA) and CalOES and timeline for completion. Mr. Ruiz mentioned that District staff has met with the City of Lake Forest staff to review the project bridge crossing design and implementation process. Discussion occurred concerning project budget for design preparation work and coordination with

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

IRWD. Discussion occurred concerning private property easement procurement, project permit acquisition, and timeline for completion.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 4: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a status update on this project, and commented that the Project Committee (PC) Meeting scheduled for October 9th was cancelled because there have been no major updates or onsite activities requiring action by the PC. Mr. Ruiz commented that a planned five-day shutdown of the Baker and Irvine Lake Pipelines had been scheduled to start on October 20th, which includes dewatering of the pipeline. Discussion occurred concerning emergency pipeline inter-ties with neighboring agencies and planned water imports through the Allen-McColloch Pipeline and the South County System during the shutdown. Mr. Ruiz provided an update on the Project Committee approval of the Second Construction Inspector Services and the Stainless Steel Material Testing Services which were both budgeted and planned in the original contract. Discussion occurred concerning pipeline materials and quality.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Robinson Ranch Wastewater Treatment Plant Sodium Hypochlorite Solution Tank Replacement
Ms. Lausten commented that the manufacturing of the tank has been completed and that District staff has scheduled a visit to Xerxes (Vendor) to inspect the tank prior to delivery. Discussion occurred concerning tank specifications and lifespan; Ms. Lausten mentioned that the tank has a twenty-year lifespan and a maximum capacity of 2,700 gallons.

2. Other Projects

Mr. Ruiz commented there were no other engineering and operations projects.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 6: SKYRIDGE DEVELOPMENT (84 DUs)

Mr. Ruiz provided a status update on this development, and mentioned that District staff has met with SMWD to review the project and discuss the recycled water system design. Discussion occurred concerning the completion status of the project's environmental requirements and system ownership. Mr. Ruiz added that District General Legal Counsel is preparing the agreement between the District and SMWD, and will present and review the draft agreement with the Committee the following month. Discussion occurred concerning water meter locations in the development.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 7: ACTIVE DEVELOPMENTS

1. Summerfield Homes, County of Orange – Tract 15800 (5 DUs | WSL)

Ms. Lausten commented that District staff is waiting for the Developer to complete the permit process.

2. Plano Trabuco Development, William Lyon Homes, Inc., City of Rancho Santa Margarita (36 unit triplex building design)

Ms. Lausten commented that Psomas (Consultant) has completed the Water Analysis Study, and presented a handout of the development's Planned Water and Sewer Service Connections for Committee review. Discussion occurred concerning the planned sewer connections for the development and potential challenges, including sewer capacity and zoning requirements by the City of Rancho Santa Margarita. Discussion occurred concerning the Developer's project timeline for completion and associated fees.

3. Oaks at Trabuco, County of Orange (9 DUs | WSL)

Ms. Lausten mentioned that there were no updates for this development.

4. Upper Oso Habitat Restoration, City of Rancho Santa Margarita

Mr. Ruiz commented that District staff met with City staff to review the project, and that District General Legal Counsel is preparing the outline for an agreement to convey water to the site. Discussion occurred concerning water metering and billing.

5. Other Active Developments

Mr. Ruiz commented there were no other developments for discussion.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 8: WATER SYSTEM STATUS

Mr. Kessler presented the Water System Status Update through September, 2014, and reported on the following matters:

- Water Department staff coordinated with Maintenance Department staff in preparation for the Santiago Lateral and Irvine Lake Pipeline shutdowns later in the month.
- Water Department staff worked on the replacement of a low quality batch of Clarion A7 solution from Chemtrade (Supplier). Mr. Kessler added that the solution clogged the Dimension Water Treatment Plant's (DWTP) injection system, and the replacement product was delayed due to the special order. Discussion occurred concerning the impacts to the DWTP; Mr. Kessler mentioned that the DWTP was temporarily shut down for a day during the process, and there were no water quality-related issues. Discussion occurred concerning the amount of water purchased during the shut down and the impacts of the drought on system demand.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

- Water Department staff coordinated with Maintenance Department staff for flow testing of the water system interties in anticipation of the Santiago Lateral and Irvine Lake Pipeline shutdowns later in the month.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee. Mr. Ruiz added that District water demand decreased by 10% from August to September due to conservation efforts, and that District staff will notify customers in the upcoming On Tap Newsletter of this reduction.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 9: WASTEWATER SYSTEM STATUS

Mr. Hanberg presented the Wastewater System Status Update through September, 2014, and reported on the following matters:

- Wastewater Department staff assisted the Maintenance Department with the removal of the Dove Lake pump for repair.
- Wastewater Department Staff assisted the Maintenance Department in the replacement of the Golf Club Sewer Lift Station Wet Well pump.

Mr. Hanberg presented the Sewer System Management Plant (SSMP) Quarterly Report for Committee review. Discussion occurred concerning sewer system line cleaning. Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and highlighted that the Dove Lake water quality is good. Discussion occurred concerning the recent Orange County Register article regarding Santa Margarita Lake. Mr. Ruiz added that District staff received a request from the Dove Canyon Master Association for a landscape water meter audit, and that District staff provided the requested information to Seabreeze Property Management for review. Discussion occurred concerning the recent rain storm impacts on Dove Lake.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 10: OTHER MATTERS/REPORTS

Mr. Ruiz discussed the following other matters:

- The next Engineering/Operational Committee Meeting is scheduled for Wednesday, November 12th due to the District-observed Veterans' Day Holiday on Tuesday, November 11th.
- Ms. Lausten is working with District Operations to develop a permit process for the District to address installation costs associated with developments in the District's service area.
- District staff is coordinating with District General Legal Counsel to update the District's Rules and Regulations definition of an Agricultural User. Mr. Ruiz added that this matter will be agendaized for

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2014**

review at the next Regular Board Meeting. Discussion occurred concerning the type of criteria for the definition of an Agricultural User.

ADJOURNMENT

Mr. Mandich adjourned the October 7, 2014, Engineering/Operational Committee Meeting at 7:47 AM.