

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 9, 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

Neil McKenna, Water Department Superintendent

Bob Beck, Maintenance Department Superintendent

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Mr. Mandich called the September 9, 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 had no comments.

Mr. Mandich had no comments.

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz commented on the following matters:

1. Mr. Ruiz presented the newly redesigned District Water Conservation Door Hanger to the Committee, and mentioned that District Staff will use the Door Hanger to notify and educate customers of observed Ordinance violations. Discussion occurred concerning the quality of the Door Hanger and the listed Ordinance violations.

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2. Mr. Ruiz mentioned that an article was published in the recent Orange County Register Rancho Canyon News Local Section which highlighted Orange County water agencies Conservation Ordinance restrictions on filling swimming pools with potable water due to the impact of the drought. Mr. Ruiz added that the District was mentioned in the article as having a pool restriction with exemptions. Discussion occurred concerning consistency of messaging during the drought. Mr. Ruiz added that he had the opportunity to speak with the Orange County Register and the California Pool and Spa Association concerning the District's current restrictions on the draining and refilling of pools and spas. Mr. Ruiz mentioned that he was clear that the District allows the draining and refilling of pools and new pool construction. Mr. Ruiz added that the District does require that its customers work with a pool supplier, vendor, or maintenance professional to determine the need to empty and refill their pool or spa.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Ruiz presented the August 12, 2014, Engineering/Operational Committee Meeting Recap for Committee review.

RECOMMENDED ACTION

The Committee recommended that the Board receive and file the August 12, 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 commented that District Staff have reviewed all of the received bids. Mr. Ruiz mentioned that the lowest bidder submitted a written request to be removed from consideration due to calculation errors made by the bidder. Mr. Ruiz recommended the rejection of all bid proposals and the subsequent value engineering as all of the bids exceeded the project budget. Discussion occurred concerning the value of the project, especially due to the significant impact of the drought, and the reasons for the proposed costs increases; Mr. Ruiz mentioned that the amount of earthwork in the current design significantly impacted the project costs. Discussion occurred concerning project budget and opportunities to work with the County of Orange and the State on the project budget. Mr. Ruiz commented that District Staff recommends re-bidding the project with two bid contracts, and separating the earthwork and electrical/mechanical work. Mr. Ruiz added that District Staff have coordinated with URS (Consultant) for value engineering and additional survey work at the project site. Discussion occurred concerning the survey work. Mr. Ruiz provided and reviewed a handout of the revised proposed project design with the Committee. Discussion occurred concerning the revised design, site challenges, and the phased approach to the implementation of the project. Mr. Ruiz reviewed the revised schedule and mentioned that the revised design will decrease the amount of earthwork, and that District Staff are currently preparing the revised bid documents. Discussion occurred concerning the proposed revised schedule and earthwork spoils handling; Mr. Ruiz mentioned that the plan is to retain as much soil onsite to control earthwork costs. Discussion occurred concerning project schedule and timeline for completion.

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RECOMMENDED ACTION

Received status update, and the Committee recommended the rejection of all bid proposals for the Shadow Rock Detention Basin Urban Water Recovery Project No. 6147, in accordance with General Provision, Section 3-1 of the Contract Documents; and recommended the value engineering of the Shadow Rock Detention Basin Urban Water Recovery Project No. 6147.

ITEM 3: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project, and reviewed the exhibit letter which was sent from the Federal Emergency Management Agency (FEMA) to the California Office of Emergency Services (CalOES) on August 21, 2014, and addressed FEMA's concerns on the project's progress to date. Mr. Ruiz reviewed the major project tasks which remained:

- Southern California Edison (SCE) – Mr. Ruiz mentioned that he has received formal notification from SCE's Representative concerning the request for easement encroachment approval. Mr. Ruiz added that when this has been completed, the next step is to coordinate with the impacted private property owners for easement procurement.
- Tetra Tech/Project Design – Mr. Ruiz mentioned that Tetra Tech (Consultant) is coordinating with District Staff to prepare the response to CalOES.

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 a Project Committee Meeting is scheduled for September 11, 2014. Mr. Ruiz added that demolition at the project site is ongoing, and that an updated Project Construction Report will be presented at the September 17, 2014, Regular Board Meeting for Board review.

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 purchased tank design is in production phase, and that District Staff has requested that Xerxes (Vendor) expedite the process for completion. Discussion occurred concerning the timeline for delivery once the tank is ordered; Ms. Lausten mentioned that it will take approximately four weeks for completion. Discussion occurred concerning the tank design and the disinfection methods used at the Robinson Ranch Wastewater Treatment Plant.

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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 Santa Margarita Water District (SMWD) is reviewing the Recycled Water Study Draft Study Technical Memorandum prepared by Psomas (Consultant). Discussion occurred concerning the recycled water and sewer charges and meter fees for the development. Mr. Ruiz commented that the Developer is coordinating with District Staff for the relocation of the adjacent Montessori School water service and meter. Discussion occurred concerning the TCWD Capacity in El Toro Road Sewer System exhibit. Mr. Ruiz added that the Developer has agreed to provide a sewer intertie to the Montessori School, at the request of the school, which will allow the school to move off of the existing septic system onsite.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 7: ACTIVE DEVELOPMENTS

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

Mr. Ruiz commented that the plans have been completed and approved, and that the Developer is currently coordinating with the County of Orange for the appropriate permits. Ms. Lausten added that there are some proposed changes to the existing connections, and that District Staff is coordinating with the Developer on those modifications.

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

Mr. Ruiz commented that Psomas (Consultant) has received the necessary fees to complete the Water Analysis Study, which will be included in the Sub Area Master Plan. Discussion occurred concerning project timeline for completion and Developer Fees.

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

Mr. Ruiz mentioned that there were no updates for this development.

4. Johnson Residence, County of Orange (1 DU)

Mr. Lausten commented that District Staff coordinated with the Developer for the installation and inspection of the two-inch water meter for the residence.

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

Mr. Ruiz commented that there were no updates concerning this matter.

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6. 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. McKenna presented the Water System Status Update through August, 2014, and reported on the following matters:

- Water Department staff converted a dry-barrel fire hydrant to a wet-barrel type on Live Oak and Hunky Dory. Mr. McKenna added that the Water Department Operators have replaced nine hydrants this year.
- Water Department staff installed a new service line at the end of Hamilton Truck Trail.

Mr. McKenna mentioned that Water Department Operations Staff are currently preparing for a shutdown of the Dimension Water Treatment Plant for five days beginning on October 20, 2014, and that the District will rely on its interties and connections with the South County System and Irvine Ranch Water District during that period. Mr. McKenna reviewed the Monthly Water System Operations Summary with the Committee. Discussion occurred concerning an article in the Orange County Register which highlighted an \$8.1 Million rebate from Metropolitan Water District of Southern California (MET) to certain member agencies as a result of a billing error; Mr. Ruiz mentioned that the billing error was due to an incorrectly calibrated water meter, and that the District was not affected by the billing error because a separate meter located at Plano Trabuco Booster Pump Station is used for billing purposes. Discussion occurred concerning the Monthly Water System Operations Summary.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 9: WASTEWATER SYSTEM STATUS

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

- Wastewater Department staff received four new ten-yard bins for sludge hauling.
- Wastewater Department Staff replaced the Golf Club Sewer Station dry pit pump.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and mentioned that the Dove Lake water quality is good. Discussion occurred concerning Dove Lake and the impact of the Statewide Drought; Mr. Ruiz mentioned that District Staff are continuing with public outreach methods like the Special Drought Information Mailer and upcoming educational opportunities.

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RECOMMENDED ACTION

Received status update, no action taken.

ITEM 10: DISCUSSION AND POSSIBLE APPROVAL OF SEWER SYSTEM MANAGEMENT PLAN UPDATE

Mr. Ruiz presented this matter for Committee review and mentioned the current Sewer System Management Plan (SSMP) was adopted in 2009, and is required to be reviewed and updated every five years per State Water Resources Control Board (SWRCB) Order No. 2006-0003. Mr. Ruiz added that District Staff, both Administrative and Wastewater Operations have reviewed and updated the current SSMP, and presented the DRAFT SSMP Update for Committee review. Mr. Ruiz highlighted the SSMP Table of Contents and some of the changes for the updated document. Discussion occurred concerning the purpose of the SSMP and the review and update process.

RECOMMENDED ACTION

The Committee received and recommended that the Board certify and approve the Trabuco Canyon Water District's 2014 Sewer System Management Plant (Action Calendar).

ITEM 11: OTHER MATTERS/REPORTS

Mr. Ruiz had no other matter or reports for discussion.

ADJOURNMENT

Mr. Mandich adjourned the September 9, 2014, Engineering/Operational Committee Meeting at 8:16 AM.