

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP  
MARCH 4, 2015**

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**DIRECTORS PRESENT**

Edward Mandich, Committee Chair  
Stephen Dopudja, Committee Member

**STAFF PRESENT**

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

**PUBLIC PRESENT**

There were no members of the public present.

**CALL MEETING TO ORDER**

Mr. Mandich called the March 4, 2015, 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. Mandich had no comments.

Mr. Dopudja had no comments.

**REPORT FROM THE GENERAL MANAGER**

Mr. Ruiz reported the following matters:

- Mr. Ruiz and Ms. Lausten attended the National Water Research Institute Drought Workshop held on February 25<sup>th</sup> in Irvine. Mr. Ruiz mentioned that presenters for the event included Department of Water Resources and Metropolitan Water District of Southern California, and presentations that focused on the drought and the extension of the State Emergency Regulations currently set to expire on April 25<sup>th</sup>. Mr. Ruiz added that a conference call concerning updated Emergency Regulations is scheduled for March 17, 2015.

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**ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

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Mr. Ruiz presented the February 4, 2015, 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 February 4, 2015, Engineering/Operational Committee Meeting Recap (Consent Calendar).

**ITEM 2: DISCUSSION CONCERNING SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA) WASTEWATER DISCHARGE PRETREATMENT AND SOURCE CONTROL PROGRAM**

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Mr. Ruiz presented this matter for Committee review, and mentioned that the District, as a member agency of SOCWA, is required to implement a Waste Discharge Pretreatment and Source Control Program (Program). Mr. Ruiz added that the District is currently operating under the existing Ordinance No. 2012-19, which was adopted by the Board of Directors on January 18, 2012. Mr. Ruiz mentioned that the DRAFT Program revisions have been reviewed by District staff and SOCWA Legal Counsel. Mr. Ruiz reviewed the newly drafted Section 814 – Notification of the Discharge of Hazardous Waste with the Committee, and mentioned that a Public Hearing is required for the adoption of the DRAFT Program. Mr. Ruiz reviewed the planned Public Hearing schedule with the Committee. Mr. Dopudja mentioned that this item was also discussed at the SOCWA Board Meeting, and that it applied to the other SOCWA member agencies.

**RECOMMENDED ACTION**

The Committee received the information concerning the matter and recommended forwarding the information concerning the proposed amendments to the Board of Directors (Action Calendar).

**ITEM 3: DIMENSION WATER TREATMENT PLANT – CLEARWELL TANK REPLACEMENT**

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Mr. Ruiz presented this matter for Committee review, and mentioned that the Dimension Water Treatment Plant's Clearwell, an 80,000 gallon treated water storage tank, was constructed in 1994 and has been periodically inspected. Mr. Ruiz presented photos of the Clearwell's degraded support beams, and mentioned that this project is a scheduled Capital Improvement Project. Ms. Lausten reviewed the Project Bid Comparison table with the Committee, and mentioned that District staff received four quotes which included a wide range of repair and replacement options. Discussion occurred concerning the Project Bid descriptions and repair options. Ms. Lausten recommended that the District proceed with Superior Tank for the Replace option for \$85,549, and mentioned that District staff visited the manufacturer's facility in Rancho Cucamonga to learn more about their tank repair process. Ms. Lausten mentioned that the project will take approximately six to eight weeks to complete, and that District staff will control costs by reusing the existing foundation and complete the pipe work for the project. Discussion occurred concerning tank repair process and project timeline for completion. Mr. Kessler mentioned that the months of March and April typically have the lowest water demand when the Dimension Water Treatment Plant can be temporarily out of service to perform this type of maintenance. Mr. Ruiz recommended that District staff proceed with an initial purchase order to begin the Clearwell Tank Replacement project and forward to the Board for their approval.

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**RECOMMENDED ACTION**

The Committee received the information concerning the matter and recommended forwarding the Clearwell Project to the Board of Directors (Action Calendar).

**ITEM 4: SHADOW ROCK DETENTION BASIN FACILITY PROJECT**

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Mr. Ruiz provided a status update on this project, and reviewed the remaining project tasks and schedule. Mr. Ruiz mentioned that although the January and February rain events impacted the construction of the facility, that the facility basins hydraulically functioned as designed. Mr. Ruiz presented project update photos and reviewed the improvements made to the facility. Mr. Ruiz reviewed the Pump Station Construction Schedule with the Committee and discussed the project tasks remaining. Discussion occurred concerning project timeline for completion and the power connection by Southern California Edison. Mr. Ruiz mentioned that the project is expected to be completed by mid-April 2015. Discussion occurred concerning project budget, value engineering, and Proposition 84 funding.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 5: ALTERNATE RAW WATER TRANSMISSION LINE - PW79**

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Mr. Ruiz provided a status update on this project, and reviewed the project schedule with the Committee, and highlighted that the County of Orange Encroachment Permit is pending submittal of new insurance requirements by the multiple contractors. Discussion occurred concerning exclusive easement acquisition and the easement condemnation process. Mr. Ruiz mentioned that District staff will submit the Notice to Proceed to Integra Realty Resources to begin the appraisal services in mid-March, and that District staff will provided the appraiser with the 90% Design prepared by Tetra Tech (Consultant). Discussion occurred concerning project schedule and timeline for completion. Mr. Ruiz mentioned that he has kept Southern California Edison up to date on the status of the planned field surveys.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 6: BAKER WATER TREATMENT FACILITY**

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Mr. Ruiz provided a status update on this project, and mentioned that the Project Committee is scheduled to meet on March 12, 2015. Mr. Ruiz reviewed the Project Construction Report for February, 2015 with the Committee. Discussion occurred concerning Irvine Ranch Water District's planned tour of the facility for elected officials tentatively scheduled for May or June.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

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**ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS**

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1. Aerobic Digester Sludge/Decant Pump Replacement

Mr. Ruiz provided a status update on this project and mentioned that Ms. Lausten has coordinated with Wastewater Operations staff to locate the utilities at the Robinson Ranch Wastewater Treatment Plant. Mr. Ruiz added that District staff is currently coordinating the design of the pumps for the project. Mr. Ruiz added that more information will be presented at the next Committee Meeting.

2. Administrative Facility Parking Lot Resurfacing and Restriping

Mr. Ruiz presented this project for Committee review, and mentioned that it is an approved Fiscal Year 2014/2015 Capital Improvement Project Major Repair. Mr. Ruiz added that District staff originally budgeted \$5,000 for the repair, but after further inspection of the parking lot's current degraded condition it has been determined that more rehabilitation is needed. Ms. Lausten mentioned that District staff has obtained quotes for the repair which range from approximately \$7,000 for a seal and coating project to approximately \$17,500 for a grind and overlay project. Discussion occurred concerning the type of repair project best suited for the parking lot's service life and timeline for project completion. The Committee recommended that District staff request a quote for a grind and overlay project with a petromat option for Board review.

3. Other Projects

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

**RECOMMENDED ACTION**

The Committee received the status update on the other engineering and operations projects, and recommended that District staff request quotes for a grind and overlay project with a petromat option for the Administrative Facility Parking Lot Resurfacing and Restriping project for Board review (Action Calendar).

**ITEM 8: SKYRIDGE DEVELOPMENT (84 DUs)**

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Mr. Ruiz provided a status update on this development, and mentioned that the Developer is currently using recycled water for construction purposes per the Board approved Resolution No. 2015-1209. Mr. Ruiz presented the DRAFT Conditional Will Serve Letter (WSL) for the development for review with the Committee, and highlighted the project components for water and wastewater which included offsite connection to the El Toro Sewer System via a proposed HDPE pipe. Discussion occurred concerning recycled water for the development; Mr. Ruiz mentioned that Santa Margarita Water District (SMWD) is the lead agency for CEQA requirements for recycled water, and the District is the billing agency. Discussion occurred concerning water and recycled water improvements and buy-in costs to SMWD's system; Mr. Ruiz mentioned that the proposed connections and capacity purchase costs were provided by SMWD. Mr. Ruiz mentioned that he will be requesting a formal letter of commitment or Memorandum of Understanding from SMWD. Discussion occurred concerning the WSL approval timeline and development challenges. Mr. Ruiz reviewed the conditions of the WSL, and mentioned that the provisions will expire 45 days from the final date of the letter unless it is returned executed along with the capacity charges, fees, and developer deposits detailed in the WSL.

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**RECOMMENDED ACTION**

The Committee received the status update and recommended forwarding the DRAFT Conditional Will Serve Letter to the Board of Directors (Action Calendar).

**ITEM 9: ACTIVE DEVELOPMENTS**

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

Ms. Lausten commented that there was no update on this development.

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

Ms. Lausten commented that there was no update on this development.

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

Mr. Ruiz commented that District staff has been notified by the Developer of their intent to build more dwelling units at the site.

4. Other Active Developments

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

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 10: WATER SYSTEM STATUS**

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Mr. Kessler presented the Water System Status Update through February, 2015, and reported on the following matters:

- Water Department staff replaced a 10-inch effluent valve on Filter No. 4 at the Dimension Water Treatment Plant.
- Water Department staff rehabilitated three underground water pipeline vaults at the Dimension Water Treatment Plant.

Mr. Kessler provided an updated Monthly Water System Operations Summary report for February, 2015, for Committee review. Discussion occurred concerning the Dimension Water Treatment Plant's total effluent water in comparison with February, 2014.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 11: WASTEWATER SYSTEM STATUS**

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Mr. Hanberg presented the Wastewater System Status Update through February, 2015, and reported on the following matters:

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- Wastewater Department staff assisted the Maintenance Department repair the Robinson Ranch Wastewater Treatment Plant Headworks Climber Screen.
- Wastewater Department staff assisted the Shadow Rock Detention Basin Facility Contractors by dewatering the Facility as a result of the recent storm events.
- Wastewater Department staff completed Pretreatment Source Control Inspections.
- Wastewater Department staff cleaned the following Sewer Lift Stations (SLS) Wet Wells: Barneburg SLS, Bell Canyon SLS, Plano Trabuco SLS, Heritage SLS, and El Toro Road SLS

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for February, 2015, for Committee review. Mr. Hanberg mentioned that a new restaurant is scheduled to open in the Trabuco Marketplace. Discussion occurred concerning planned rehabilitation of the District's Plano Trabuco and Via Allegre Sewer Lift Stations. Mr. Ruiz added that the rehabilitation work was scheduled in the Fiscal Year 2014/2015 Capital Improvement Budget, and that District staff will request quotes from vendors for the rehabilitation projects.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 12: OTHER MATTERS/REPORTS**

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Mr. Ruiz commented on the following matters:

- Mr. Ruiz mentioned that District staff coordinated with the State Division of Dam Safety Inspector on the annual inspection of the Dove Dam the prior week. Mr. Ruiz added that the relief valve was not operated for the second successive year so as not to release any stored water due to the impacts of the drought. Mr. Hanberg commented on the inspection results, and mentioned that the Inspector recommended the repair of the onsite v-ditches due to their degraded condition. Mr. Ruiz added that the repair of the v-ditches is a scheduled Capital Improvement Project, and that District staff have received quotes for the repair.

**ADJOURNMENT**

Mr. Mandich adjourned the March 4, 2015, Engineering/Operational Committee Meeting at 8:14 AM.