

**ENGINEERING/OPERATIONS PRESENTATION
APRIL 10, 2012**

COMMITTEE MEMBERS PRESENT

Mike Safranski, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Michael Perea, Special Projects Manager
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Safranski called the Engineering/Operational Committee Meeting to order at 7:02 a.m.

VISITOR PARTICIPATION

There was no visitor participation

ORAL COMMUNICATION

There were no comments

COMMITTEE MEMBER COMMENTS

Director Mandich stated he may not be available to attend the SOCWA meeting scheduled for April 17 and stated it is an important meeting relating to SOCWA's budget. Director Mandich requested Director Haselton be contacted to see if he is available to attend in Director Mandich's absence. Mr. Don Chadd, General Manager, advised either he or the District Engineer, or Special Project Manager can also attend on behalf of TCWD.

Director Safranski provided a summary of the MWDOC Elected Officials meeting which he recently attended. Director Safranski advised that the MWDOC General Fund Budget appears to be increasing by 12-percent for the upcoming fiscal year. Director Safranski referenced a recent Orange County Register article relating to water rate increases and reminded his fellow committee member and staff to continue to look at cost control and expense containment of items both large and small, including Board expenses.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
APRIL 10, 2012**

REPORT FROM THE GENERAL MANAGER

Mr. Don Chadd, General Manager, had no comments

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, advised there have been no Baker Regional Water Treatment Facility Committee meetings since February, 2012.

Discussion occurred relating to water allocation and the use of Irvine Lake water for peak flow demands.

Mr. Ruiz advised the next Baker Regional Water Treatment Facility Committee meeting is scheduled for April 12, 2012.

The Engineering/Operational Committee received and filed the status update. No action taken.

**ITEM 1B) STATUS UPDATE RELATING TO THE ALTERNATE RAW WATER
TRANSMISSION LINE (ARWTL) (16-inch Raw Water Transmission Line
Serrano Creek Crossing Alternate Route – PW79)**

Mr. Ruiz stated project management work and planning has begun for the project. Mr. Ruiz advised he has processed the contract amendment and has a kick-off meeting scheduled with Tetra Tech next week in anticipation of receiving a formal request for additional information by FEMA. Mr. Ruiz advised no formal communications have been received to date from FEMA and today is the two-month timeline for additional information to be requested of TCWD.

The Engineering/Operational Committee received information presented. No action taken.

**ITEM NO. 1C) STATUS REPORT AND POSSIBLE ACTION RELATING TO
DOVE RESERVOIR/TRABUCO RESERVOIR INTER-TIE AND
TRABUCO HIGHLANDS PRESSURE REDUCING STATIONS
PROJECT**

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
APRIL 10, 2012**

Mr. Ruiz advised the project is going very well. Mr. Ruiz discussed the recent rain which caused the pothole investigation and the startup of HDPE pipe and welding to be delayed. In addition, the HDPE pipe has thick walls and as a result the welding time is longer than expected by L&S. Mr. Ruiz discussed consideration of extending the construction time in consideration of rain delays and the school district's Spring Break schedule interruption of the project.

Mr. Ruiz advised he is in communication with the homeowners within the project area on a weekly basis.

Mr. Ruiz advised trenching will begin this week. Mr. Ruiz stated the District is performing its own inspections relating to pipe welding. Mr. Ruiz advised the pipes will be tested at 160 psi which is twice the working pressure of the line.

Mr. Ruiz advised the pressure reducing station vaults have not arrived to date

The Engineering/Operational Committee received the information presented. No action required.

ITEM NO. 1D) STATUS UPDATE AND POSSIBLE ACTION RELATING TO ON-GOING ENGINEERING PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz stated there is no new information to report. Mr. Ruiz noted Southern California Edison had provided notice of a scheduled shut-down from 10:00p.m. until 6:00a.m. for one day which will impact Golf Club and Barnberg Lift Stations.

2. Shadow Rock Detention Basin Facility Project

Mr. Ruiz advised the District has provided all requested information as it relates to any Notice of Determination along with confirmation relating to no legal challenges on the project. Mr. Ruiz anticipates receiving official notification on the project soon.

3. Reservoir Analysis

Mr. Ruiz advised PSOMAS is waiting for TCWD to provide flow rates at this time.

4. Other Projects

Mr. Ruiz advised there are no other projects to discuss at this time.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
APRIL 10, 2012**

Director Safranski shared information relating to Solar City and urged the District to look into the matter as he feels there are good incentives at this time.

Mr. Chadd provided information to the committee relating to previous investigation into the use of solar power and concluded that the amount of energy necessary to operate the wastewater treatment plant exceeds the potential off set of solar panels, which could be a visual eye sore for the community. Mr. Chadd stated he will have Staff revisit the information.

The Engineering/Operational Committee received the information presented. No action taken.

**ITEM NO. 1E) STATUS UPDATE AND POSSIBLE ACTION REGARDING
ACTIVE DEVELOPMENTS**

1. Skyridge Homes (85 DUs)

Mr. Ruiz advised the developer is currently in discussions with the Santa Margarita Water District (SMWD) for supply of potable water. Mr. Ruiz is providing flow information to SMWD at this time. Mr. Ruiz anticipates the Environmental Impact Report process of the project to last through July, 2012.

2. Oaks at Trabuco

Mr. Ruiz advised the District Wastewater Supervisor met with the developers agent as it relates to a possible leak into the wet well and relating to odor complaints.

3. Fieldstone

Mr. Ruiz there is no new activity to report.

4. Other Active Developments

There was no other active developments discussed.

The Engineering/Operational Committee received the Status update provided. No Action taken.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
APRIL 10, 2012**

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor provided the March 2012 status update.

Source Water Production

1. The water treatment plant production totaled 134 acre feet.
2. The Trabuco Creek Water Treatment Facility produced 21 acre feet.
3. The average daily demand was 4.9 acre feet, or 2.5 cfs.
4. The demand for the District was 5.0 acre feet.

Projects and Repairs

1. Water Department Personnel have been inspecting the construction and installation of the new 10-inch HDPE pipeline from Brookseed to Dove Reservoir.
2. Water Department Personnel repaired a 2-inch service line on Las Amigas Drive.
3. Water Department Personnel, with the assistance of a Contractor, repaired a 6-inch pipeline at the Canyon Creek pump station

Mr. McKenna advised the Trabuco Creek Wells Facility is currently pumping water at a rate of 320 gallons per minute.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Don Chadd provided the March 2012 status update in Mr. Kris Hanberg, Wastewater Supervisors, absence.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 54 acre feet.
2. The recycled water demand was 35acre feet.
3. Dove Lake had 5.7 feet of freeboard.
4. The reclaimed water reservoir had 1 foot of freeboard.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
APRIL 10, 2012**

5. The District pumped a total of zero acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 8.7 acre feet.
7. There was 6 acre feet pumped to SMWD's Portola Basin.

Projects

1. Wastewater Department Personnel cleaned the digester at the Wastewater Treatment Plant.
2. Wastewater Department Personnel cleaned the NEQ tanks at the Wastewater Treatment Plant.

Mr. Chadd commented that TCWD's reclaimed reservoir is filling up and with the anticipated rain later this week, TCWD will have the availability to sell additional reclaimed water to SMWD.

Director Safranski commented on the information provided at the April, 2012 Community Association of Rancho meeting by SMWD relating to cooperative projects with TCWD.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) MARCH 2012 OPERATIONAL REPORT REVIEW

Mr. Chadd advised the information is there for review and there are no anomalies to report.

**ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the March 13, 2012 Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the March 13, 2012 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1J) OTHER MATTERS/REPORTS

There were no other matters or reports discussed at the Committee meeting.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
APRIL 10, 2012**

ADJOURNMENT

Committee Chair Safranski adjourned the April 10, 2012 Engineering/Operational Committee Meeting at 7:27 a.m.