

THE REGULAR MEETING OF THE BOARD OF DIRECTORS  
OF STOCKTON EAST WATER DISTRICT WAS HELD AT THE DISTRICT OFFICE  
6767 EAST MAIN STREET, STOCKTON, CA  
ON TUESDAY, FEBRUARY 9, 2016 AT 12:00 NOON

**A. PLEDGE OF ALLEGIANCE AND ROLL CALL**

Vice President McGurk called the regular meeting to order at 12:21 p.m. Legal Counsel Zolezzi led the Pledge of Allegiance.

Present at roll call were Directors Atkins, Cortopassi, McGaughey, McGurk, Panizza, and Watkins. Director Sanguinetti was absent. Also present were Manager Moody, Assistant Manager Johnson, District Engineer Lee, Finance Director Naray, Water Supply Manager Lozano, Administrative Services Manager Stephens, Administrative Clerk Curtis, Legal Counsel Zolezzi and Consultant Barkett.

**B. CONSENT CALENDAR (None)**

**C. PUBLIC COMMENT (None)**

**D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS**

1. Minutes 02/02/16 Regular Meeting

Manager Moody made the following correction to the minutes:

- Page 5, section J, last paragraph – strike “with no reportable action.” and add “with the following reportable action: The Board directed staff to enter into the Mutual Nondisclosure Agreement between Calaveras County Water District and Stockton East Water District. Further, the Board authorized General Manager, Scot A. Moody to execute the Agreement on behalf of the District.

A motion was moved and seconded to approve the February 2, 2016 Regular Meeting Minutes, as amended.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Watkins  
Nays: None  
Abstain: None  
Absent: Sanguinetti

2. Warrants – California Public Employees’ Retirement System

A motion was moved and seconded to approve the February 9, 2016 Warrants – California Public Employees’ Retirement System, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Watkins  
Nays: None  
Abstain: None  
Absent: Sanguinetti

3. Chemical Risk Management Services Proposal

Manager Moody reported the District’s Risk Management Plan and Process Safety Management Plan are due for review. The plans are reviewed annually and updated with personnel changes; however, the plans are due for a re-write as they were developed in 1996.

Board Meeting – 02/09/16

Assistant Manager Johnson reported the District received two (2) proposals for the Chemical Risk Management Services from Kazarians & Associates, Inc. in the amount of \$33,800.00 and Condor Earth Technologies in the amount of \$44,100.00. Staff is recommending procuring the services of Kazarians & Associates, Inc. in the amount of \$33,800.00.

Director McGurk inquired how the District found Kazarians & Associates, Inc. District Engineer Lee replied the District sent proposals to local firms familiar with the process and posted a copy of the Request for Proposal (RFP) to the District website. It is believed that is how Kazarians & Associates, Inc. located this RFP.

Director Panizza inquired if Staff checked client references of Kazarians & Associates, Inc. District Engineer Lee responded yes. Staff spoke with the District's San Joaquin County Environmental Health Regulator Raymond von Flüe who has worked with Kazarians & Associates, Inc. Mr. von Flüe confirmed Kazarians & Associates, Inc. is a reputable company. District Staff also contacted previous clients and received positive feedback.

A motion was moved and seconded to procure Kazarians & Associates, Inc. for Chemical Risk Management Services in the amount of \$33,800.00.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Watkins  
Nays: None  
Abstain: None  
Absent: Sanguinetti

4. North & South Well Rehabilitation Update

Assistant Manager Johnson reported Purviance Drillers, Inc. provided the District with a summary of the conditions of the North and South Wells. It was reported the North Well is in better condition than the South Well. Purviance Drillers, Inc. found the North Well could be abandoned, but has a better success rate than the South Well for possible reconstruction. Purviance Drillers, Inc. recommends that if the District decides to reconstruct the Well, the flow rate needs to be cut in half to possibly increase the pump life. Purviance Drillers, Inc. thinks stressing the developing of the Wells will further deteriorate the casing.

Assistant Manager Johnson reported the South Well has been re-cased before. It originally was 472-feet deep and now is 326-feet deep; it has already covered some water strata. At 140-feet a piece of casing was protruding and caused difficulty getting the pump out after it failed. Purviance Drillers, Inc. noted this Well pumps enough sand at 1,500-gpm to destroy the turbine bowls in roughly 5-months. The useful life of South Well is at its end. If attempts are made to develop the Well it may collapse its casing or collapse on its own. The recommendation of Purviance Drillers, Inc. is to abandon the South Well.

Director Cortopassi inquired about putting lower producing pumps in the Wells. Assistant Manager Johnson replied that the low producing pumps will allow us to pump 700-750 gpm, about half of what we were producing. It is still risky to re-develop either Well as this can cause the Wells to collapse at any time given their age and casing. It was also noted the Wells may last longer because they will pump less sand with a decreased flow rate.

Director Cortopassi stated you cannot drill another well in the same hole, thus, abandoning all infrastructure already in place. Assistant Manager Johnson replied a well can be drilled near one of the blockhouses and the electrical infrastructure can be re-used without abandoning everything. Director

Cortopassi added it is easier to make a decision when costs are associated with the options Purviance Drillers, Inc. has provided.

Director Watkins suggested putting smaller submersible pumps into both Wells, cut the flow rate and see if they pump sand. Director Atkins added the District should try and get as much out of the current Wells as possible.

Manager Moody advised the Board Staff will bring back cost estimates for consideration.

#### 5. Finished Water Reservoir No. 2 – Aeration System

Manager Moody reported District staff is considering taking further steps to drive down the trihalomethanes (THMs) in the clear wells before the water is distributed to the Urban Contractors.

Assistant Manager Johnson reported the District uses chlorine, which produces disinfection by-products (DBPs), which form over time when the water is in an enclosed space. The THMs form the longer water is kept in tanks or pipes in the distribution system. The goal is to keep THMs as low as possible and not let them get above contaminate levels regulated by the state. The District has been able to remove most of the total organic materials (TOCs) which has kept DBPs at bay. The key is minimizing the time in the tanks and pipes or aerate the water.

Assistant Manager Johnson reported a solution to removing THMs is to put forced aeration into the tank in two phases. First, forced air fans would be put in the tanks and would force air through the tank and would exit the six (6) vents already constructed on the tank. The second phase is to add floating aerators that turn the water up and aerate it inside the tank, then allowing the fans to push the air out. This is the most optimal solution, estimating a 30% reduction in THMs as a result of this process; as long as the plant is running at 20 mgd and all said equipment is in place. The cost for this solution is ~\$700,000-800,000. Another, lower cost option would be to install forced air fans. This option will help remove THMs from the surface of the water. This option would cost ~\$200,000-\$250,000. Neither solution was budgeted for this year; however, given the sensitivities of DPBs in the community, Staff wanted to present options of what can be done to reduce the DPBs in the distribution system.

Director Watkins inquired if piping can be placed at the bottom of the tank and pump air into the bottom of the strata of the water and allow the water to create positive pressure to force air out of the vent without a fan. Assistant Manager Johnson replied this option would require shutting down the tank and entering it for construction. District Engineer Lee added this route could be more problematic as well.

Director McGurk inquired if the level of the water varies in the tank how much cubic space is needed from the top of the water to the ceiling of the clear well. Assistant Manager Johnson replied when the tank is full there is ~6-inches of space from the top of the water to the ceiling of the tank. The surface aerators would require ~18-inches of space, which is not losing too much capacity in the tank. The loss in capacity is still enough storage for low production levels.

Director Cortopassi inquired about past practices. Assistant Manager Johnson replied prior to TOC exceedance a couple years ago, TOC exceedance leaving the plant was less than 25-ppb and MCL of 80ug/l. The District was already producing low THM quality water from New Melones. When the TOC exceedance occurred, the THMs were still lower than regulation standard. The TOCs are a precursor to DBPs which include THMs; now the District is researching removing THMs to keep our water further below an MCL of 80ug/l.

Manager Moody added to keep in mind this solution does not just effect the District. The more the District can drive down the THMs the better off the Urban Contractors will be. Manager Moody mentioned Staff can further discuss at the Stockton Area Water Suppliers (SAWS) meeting if the Board does not object

6. Surface Water Pump Signage

Manager Moody provided the Board with sample stickers to replace on all Ag pumps. Existing stickers are missing or illegible. The proposed replacement stickers are both English and Spanish.

Director McGurk stated adding a level of collaboration and a sense we are all working together may help enhance participation in calling in water orders. Looking forward, as water becomes more precious, the spirit of collaboration seeds need to be planted now.

Director McGurk inquired how much involvement the Water Supply crew has with irrigators. Manager Moody replied the Water Supply crew speaks directly to irrigators and they even place water orders through the Water Supply crew.

Director Cortopassi inquired if the Ag call-in number is a dedicated number. Administrative Services Manager Stephens replied yes, you can leave your water order message 24/7.

Director McGaughey inquired what caused the rise in irrigators calling in their water orders. Manager Moody replied it is two-fold. Irrigators know we are in a drought and want to do the right thing by calling in. Also, sending out a letter to irrigators last year stating the Board had updated the policy, implementing a fine which keeps the message at the forefront of people's minds.

Director Cortopassi added perception may have changed with irrigators. When the system is full at all times the attitude about water is different. When the system is only charged for 10-days per month it is a different perception.

**E. COMMITTEE REPORTS**

1. San Joaquin County & Delta Water Quality Coalition Meeting, 02/08/16

Directors Atkins attended the February 8, 2016 San Joaquin County & Delta Water Quality Coalition Meeting. Director Atkins reported the financial report was under budget. An update on membership was provided; the Sediment Erosion Plans were mailed to members. Julianne Phillips, San Joaquin Farm Bureau Federation added members are inquiring in the office about the Sediment Erosion Plans if they reside on flat land. Members inquiring will complete a survey stating they are not at risk for erosion. The plans are to be kept at the ranches and do not need to be turned in. A report was given regarding Membership meetings and the Grower Nitrogen Management Plan Self Certification; 70% of members that attempted the self-certification failed. The next meeting is scheduled for March 14, 2016.

**F. REPORT OF GENERAL MANAGER**

1. Water Supply Report as of 02/02/16

Water Supply Manager Lozano reported there is 77,235 AF in storage at New Hogan Reservoir. Current releases are set at 21 cfs. There is 413,181 AF in storage at New Melones Reservoir. Current releases at Goodwin Dam are set at 205 cfs. The water treatment plant is currently processing 16 mgd. The City of Stockton's water treatment plant is currently processing 9.5 mgd of 100% Delta water. Water Supply Manager Lozano reported the District Wells total water extraction is 4,751 gpm (~6.88 mgd).

Water Supply Manager Lozano also reported the Central Sierra has received 74-inches of snow.

2. Information Items:

Manager Moody noted items: F2a-1, F2a-2, F2a-3, F2a-4, F2a-5, F2a-6, F2a-7, F2a-8 and F2a-9.

3. Report on General Manager Activities

a. San Joaquin County Agricultural Drought Task Force Meeting, 02/03/16

Manager Moody attended the February 3, 2016 San Joaquin County Agricultural Task Force Meeting. Manager Moody reported attendance was low. The group discussed weather and touched on the Zika virus. The next meeting is scheduled for March 2, 2016.

**G. DIRECTOR REPORTS**

1. Greater Stockton Chamber of Commerce Monthly Mixer – The Reserve at Spanos Park, 02/04/16  
Nothing to report.

**H. COMMUNICATIONS (None)**

**I. AGENDA PLANNING/UPCOMING EVENTS**

1. Eastern San Joaquin County Groundwater Banking Authority Board & Coordinating Committee Meeting, 9:30 a.m., 02/10/16
2. Sustainable Groundwater Management Act Workgroup, 10:00 a.m., 02/10/16
3. San Joaquin County Flood Control and Water Conservation District Advisory Water Commission Meeting, 1:00 p.m., 02/17/16
4. ACWA Groundwater Committee Meeting, 02/10/16
5. District Holiday – Lincoln’s Birthday, 02/12/16
6. District Holiday – Washington’s Birthday (President’s Day), 02/15/16
7. Linden-Peter’s Chamber of Commerce Meeting, 7:00 p.m., 02/15/16

**J. REPORT OF THE COUNSEL**

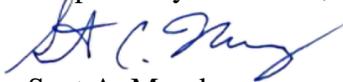
1. Closed Session - Potential Litigation  
Government Code 54956.9 (c) – two cases

Vice President McGurk adjourned the meeting to closed session at 1:41 p.m. to discuss closed session agenda items. The regular meeting reconvened at 2:05 p.m., with no reportable action.

**K. ADJOURNMENT**

Vice President McGurk adjourned the meeting at 2:06 p.m.

Respectfully submitted,



Scot A. Moody  
Secretary of the Board

tbc

