

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, MARCH 9, 2021 AT 12:30 P.M.

A. PLEDGE OF ALLEGIANCE AND ROLL CALL

President Watkins called the regular meeting to order at 12:30 p.m. Director Panizza led the Pledge of Allegiance.

Present at roll call at the District were Directors Atkins, Cortopassi, Sanguinetti and Watkins. Also present were Manager Moody, Assistant Manager Hopkins, District Engineer Evensen, Finance Director Vega, Administrative Services Manager Carido and Administrative Assistant Curtis. Present at roll call via teleconference were Directors McGaughey, McGurk and Panizza. Also present via teleconference was Legal Counsel Zolezzi and Consultant Barkett.

B. CONSENT CALENDAR (None)

C. PUBLIC COMMENT (None)

D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS

6. Disinfection Alternatives Study Presentation

President Watkins advised that without objection from the Board, item D-6 “Disinfection Alternatives Study Presentation” be moved before item D-1 “Minutes 03/02/2021 – Regular Board Meeting”. Seeing no objection from the Board this item was moved to the top of the agenda.

Chris Cleveland, P.E., Carollo provided a presentation to the Board with discussion focused on the Preliminary Engineering Report (PER), project components and next steps of the Disinfection Alternatives Study Project. Mr. Cleveland reported the Project kicked off in September 2020, where Carollo evaluated the existing facilities, developed alternative options and held a staff workshop to discuss the alternatives. After the workshop Carollo recommended switching from the current chlorine gas to bulk hypochlorite. This information was presented to the Board at the October 20, 2020 Regular Board Meeting. Mr. Cleveland commented District staff has been great to work with, as they are very responsive and provide good recommendations. Carollo is working towards completing a final PER by the end of March.

Mr. Cleveland reported the PER covers all aspects of what this system will look like once completed. Topics included in this report vary from design criteria, tank layout design to what construction will look like while maintaining current Water Treatment Plant production.

Mr. Cleveland presented to the Board recommended site modifications which would include; two new facilities located on the south side of the filter structure (bulk hypochlorite storage and feed buildings); expanded pavement area for delivery and relocating the access gate to the back of the Plant. Manager Moody commented that current chemical vendors enter the gate and offload chemicals at the tank farm and exit the same gate. He inquired if there is potential for congestion if multiple delivery trucks were present at the same time. Mr. Cleveland replied additional truck routing options would be explored as the design progresses.

Mr. Cleveland showed the Board renderings of what the hypochlorite storage facility and feed buildings will look like upon completion. The storage facility will be covered as sunlight and heat can decrease the concentration of the chemical. There will be a total of 4 tanks, totaling 26,000 gallons of hypochlorite chemical. Carollo and staff feel this is an adequate amount of chemical to have on-hand to be able to fluctuate for different scenarios of while running the Plant.

Manager Moody inquired on the shelf-life of the hypochlorite. Mr. Cleveland replied that it depends on temperature and sunlight, but the chemical should last a decent amount of time. The more sun that can be kept off of the tanks will allow the chemical to last longer.

Director Sanguinetti inquired if there will be a gap left within the tanks to allow for delivery of new chemicals, should there still be any remaining left inside. Mr. Cleveland replied there will be ~1,500-2,000 gallons of head-room in each tank.

Director Atkins inquired if the tanks should kept at a specific temperature. Mr. Cleveland replied they can be stored at ambient temperature. Over time it will reduce in concentration; however, staff has worked through various scenarios with different potential temperatures to ensure there will always be enough chemicals to properly treat the water.

Director Sanguinetti inquired if there is a way that the chemical can be sampled at different levels in the tanks. Mr. Cleveland replied everything should be equal throughout the tank. The tanks will be able to be drained completely because they are drained from the bottom.

Director Cortopassi inquired if the chemical degrades when it enters the atmosphere. Mr. Cleveland replied partially, some of it will turn to salt in the water and it is completely soluble.

Director McGurk inquired if the storage facility will be able to withstand a storm. Mr. Cleveland replied the design will withstand the wind conditions within this area. Carollo can research something more permanent for walls if the Board would like. Manager Moody added this is only to 15% design and can be modified.

Director Sanguinetti inquired on the dimensions of the tanks. Mr. Cleveland replied they are 10-foot in diameter and 13-feet tall.

Mr. Cleveland reported there will also be a secondary containment area for the chemical. Smart safety measures and code requires secondary containment. It will be recessed around the tanks. There will be no stairs to access the tanks, making it easier for Operations and Maintenance staff to access. Safety showers in multiple locations and a sump in the back corner if there is a spill or wash-down, the sump will pump out the liquid. There will also be a transfer pump to move chemicals from one tank to another.

Director Cortopassi inquired on the difference between chlorine and bulk hypochlorite. Manager Moody replied they do the same thing, it is just in a different form and much more controlled.

Director Atkins inquired what material the tanks are made of. Mr. Cleveland replied polyethylene. Fiberglass can be used as well, however, there have been issues seen with the quality, so it is not the recommended material.

Manager Moody inquired if this facility will be designed so it can be expanded on in the future. Mr. Cleveland replied yes, it can continue to move west for additional hypochlorite or other chemicals.

Mr. Cleveland presented the Board with renderings of the inside of the feed building. This building would be equipped with pumps, two pumping and two offline and ready to be brought online in the event of failure; a secondary containment area, supply storage and sink; safety shower and PPE storage closet.

Director Atkins inquired where the liquid will go if it overflows into the secondary containment area. Mr. Cleveland replied that anything that is caught goes into a trench across the building and into the storage facility sump pump. If anything flows into the secondary containment area, an alarm will sound to draw the attention of staff. Staff can then decide if it is rainwater that can be sent to the ponds or chemicals that need to be neutralized. There will also be a large overhead door, SCADA and electrical cabinets and a fire riser. The building does not require sprinklers, but because the bulk storage area is covered there must be sprinklers within that building.

Director Cortopassi inquired if the fire riser is for the fire department. Mr. Cleveland replied it is mechanical instrumentation to alert when fire is present.

Mr. Cleveland reported on the demolition process stating Carollo will want to ensure the new facility is working properly then will decommission and demolish the existing gas system. There is no value in most of the equipment, much of it will be demolished. The bridge crane is the only item staff identified could be used elsewhere. Director Cortopassi inquired if it would be better to keep the gas system in place for redundancy. Manager Moody replied if it were to sit idle, staff would not know if there were issues until they went to use it. Mr. Cleveland added that if the gas chlorine is kept the District would then have to maintain all permits and training requirements for it.

Mr. Cleveland reported the Project cost is estimated at \$4,690,000, then with soft costs and change order budget allowance, it would bring the total cost to \$5,850,000. This cost will continue to be refined throughout the process. As the design process continues Carollo hopes to keep the number where it is at, if not lower.

Director Atkins inquired if there is a concentration higher than 12% that could be purchased. Mr. Cleveland replied that is limited by what suppliers in the area will supply. The ideal concentration is between 12-14%. Higher percentages degrade quicker.

President Watkins inquired on the difference in ratio between gas chlorine and hypochlorite. Mr. Cleveland replied ~.9-.95 per gallon of hypochlorite for each 1-pound in a chlorine cylinder.

Director Cortopassi inquired on the frequency of deliveries based on specifications that have been made. Mr. Cleveland replied it will change throughout the year, but at an average flow and concentration and making 40 mgd, expected delivery would be every 6 days. If the Plant is at max flow producing maximum volume, there would be delivery every 4 days.

Mr. Cleveland reported the next steps are to finalize the report within the next couple of weeks. Carollo will be doing borings with a geotechnical engineer on Monday, March 15th. There will be ~6-weeks of onsite time, lab analysis and report writing. Following that will be ~8-months of

design to prepare the Bid. At the beginning of 2022 the bid should be finalized and construction should begin. Projection is for a 14-month construction period, closing the Project out by May 2023.

Director Cortopassi suggested that staff discuss with the Consultant a secondary location as piping to the Plant is minimal. President Watkins inquired if the piping will run to the basement too. Mr. Cleveland replied yes, two pipes will run to the filter gallery and two to the basement.

Mr. Cleveland reported Carollo has also done some preliminary work on ozone disinfection. If the Board decides to move forward with that option at some point, Carollo will take the same approach as they did with the hypochlorite. Ozone is much more complex, it effects the whole treatment process, it is not just a chemical.

Director Cortopassi inquired if another building will have to be built should the District move forward with ozone at a later date. Mr. Cleveland replied Carollo looked at the master site for ozone and have made sure that it will not overlap with the hypochlorite site. Manager Moody added that typically ozone is used at the beginning of the plant where the treatment process begins, as it essentially kills the organisms before the treatment process.

Director Atkins inquired if chlorine will be able to be smelled through the vents. Manager Moody replied only if you stand close to the tanks. Mr. Cleveland added not only with them chemical vent through the tank, but also through the roof, which will help dilute the scent.

1. Minutes 03/02/2021 – Regular Board Meeting

Director McGurk made the following correction to the minutes:

- Page 1, section A, 2nd paragraph, 3rd sentence – add Director McGurk as present during roll call.

A motion was moved and seconded to approve the March 2, 2021 Regular Board Meeting Minutes, as amended.

Roll Call:

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

2. Warrants – California Public Employees’ Retirement System

A motion was moved and seconded to approve the March 9, 2021 Warrants – California Public Employees’ Retirement System, as presented.

Roll Call:

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

3. Business Consultant Agreements 04/01/21 – 03/31/22
a. Anthony Barkett

A motion was moved and seconded to approve Business Consultant Agreement with Anthony M. Barkett for a one-year period from April 1, 2021 through March 31, 2022.

Roll Call:

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

- b. Doyce Boesch

A motion was moved and seconded to approve Business Consultant Agreement with Doyce Boesch for a one-year period from April 1, 2021 through March 31, 2022.

Roll Call:

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

4. Stockton East Water District – Shut Down Projects Update Memo

Manager Moody provided the Board with a memo regarding the updates on the shut down projects. Manager Moody reported the Water Treatment Plant came back online yesterday after having been shut down.

Assistant Manager Hopkins reported the projects have gone as planned up to this point and critical projects have been completed. Staff made significant progress on the Whittle’s Project last week. The structural base was constructed, the culverts set and cast in place the concrete cut-off wall. Aside from cleanup and rip rap, the instream work is mostly complete.

Assistant Manager Hopkins reported on the Switchgear B Breakers Replacement Project, reporting this Project was completed within a few hours. The work was tested during the High Voltage Inspection Project and was successful.

Assistant Manager Hopkins reported on the High Voltage Inspection Project, reporting this took longer than anticipated, but was completed on March 5th.

The Master Backwash Valve Project was completed March 6th. Water was put into the pipeline yesterday and staff has been able to verify that no leaks have been found and that the new Master Backwash Valve works locally and automated with the SCADA system.

Assistant Manager Hopkins reported on the Low Lift Pump Station Sump Cleaning Project, reported staff was able to get inside the sump and inspect. Everything looked to be fine aside from one inlet gate leaking a fair amount of water. There was also a significant amount of mussels built up inside. The cleaning was not fully completed due to frequent debris pump and vacuum unit plugging, however; several inches of sediment and thousands of mussels were removed during the cleaning.

Assistant Manager Hopkins reported on the Backwash Pump Victaulic Gasket Replacement Project, reported staff had purchased 3, 24-inch gaskets several months ago to replace the leaking backwash pump connections. All gaskets were replaced and the leaks have ceased.

Assistant Manager Hopkins reported staff is projecting the Whittle's Project to extend through March. If weather allows, staff plans to begin work on the next crossing. Director Atkins inquired if the Whittles have had any comments during this process. Assistant Manager Hopkins replied they are happy. Director Sanguinetti commented it would be best to have this Project done sooner rather than later, as the irrigation season may begin earlier depending on the amount of rain.

Director McGurk inquired on both New Hogan and New Melones being shut down at the same time. Assistant Manager Hopkins replied only New Melones is shut down, New Hogan is providing water to the Treatment Plant. This item was for information only.

5. Stockton East Water District – Rubicon SCADA – One Year Subscription Memo

Manager Moody provided the Board with information on the Rubicon SCADA system's one year subscription. Manager Moody reported that historically, the District does not do construction projects during irrigation season as the Water Supply department is dedicated to irrigation processes. At times, there are two staff members from Water Supply that are floaters and can be used for necessary projects around the campus.

Manager Moody reported there is now more work than what can get done within the windows staff has on either end of the irrigation season. Staff has been looking for ways to allow for projects to continue during irrigation season. One option is to remove two additional staff members from Water Supply and have them work construction projects. To achieve this, the recently installed Rubicon gates could be made automatic so they can be monitored and adjusted remotely.

Manager Moody reported additionally, unless it is an emergency, Water Supply staff would not be able to take vacation days during the irrigation season. If someone were to be off, another member of staff could not be sent out to complete a project alone for safety reasons. Manager Moody added that there is a sizeable amount of money that was allocated within the \$700,000 of reserve funds moved to the Ag budget for projects that was specifically for contractors as the District does not have the manpower to complete the work.

Director Cortopassi inquired if Management is requesting to hire additional staff. Manager Moody replied no, automating the gates through Rubicon's SCADA system would avoid having to hire additional staff at this time. The District's SCADA system is about a year from being fully functional. This option would allow the District to pay \$10,500 for a one-year subscription to Rubicon's SCADA system to be able to automatically run our gates using their system.

President Watkins inquired on the location of the gates. Assistant Manager Hopkins replied they are located at the Lower Farmington Canal headworks, Mosher Creek headworks, PC-1, -2 and -3 outlets and the 66 Vault outlet.

President Watkins inquired if the gates would be connected via cellular connection and if staff has service in all areas where the access points would be. Assistant Manager Hopkins replied staff will confirm on the connection before entering into a contract to install the radios and connected to the SCADA.

Director Cortopassi inquired if there is a physical connection. Assistant Manager Hopkins replied that it is all webhosted through Rubicon's server. Any internet capable device with proper credentials can login and access the gates.

Director Sanguinetti commented this process is not a bad idea, as it will also give staff experience working with the automated gates before the District's SCADA system is online. Additionally, since there will be remote access, the system could be accessed at night when it is not safe to physically access those areas.

Director Atkins inquired if there would only be one radio used. Manager Moody replied each valve will have a radio that transmits to the cloud so when staff logs in to the site they can make the valve either open or close.

A motion was moved and seconded to approve moving forward with Rubicon's SCADA System for one-year in the amount of \$10,500, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: None

7. Stockton East Water District – Draft 2020 Agricultural Water Management Plan

Manager Moody provided the Board with information on the Draft 2020 Agricultural Water Management Plan (AWMP). Manager Moody reported that the Department of Water Resources will accept a USBR Water Management Plan as a substitute for the 2020 AWMP, so long as a few conditions are followed, which are outlined in the attached memo.

Manager Moody reported the draft AWMP is complete, staff is coordinating with the Urban Contractors on their water plans.

Manager Moody reported the AWMP document will be published soon and a public hearing will be held at the March 30th Regular Board Meeting. Manager Moody added that there is a requirement to notify specific agencies, staff will do such and provide copies as necessary. This item was for information only.

E. COMMITTEE REPORTS

1. Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting, 03/04/21

President Watkins and Manager Moody attended the March 2, 2021 Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting. President Watkins reported there was discussion on the Woodard Curran proposal, which included updates on the Water Year 2020 Annual Report, change in groundwater storage, update on the basin management system and budget and future schedule. President Watkins reported this is a length process, but should be able to determine who is using water and how it should be allocated. Water Smart grants are due by April 1st. The District has a proposal of which it sounds like the County will support for satellite imagery analysis for water usage. Manager Moody added that the Board approved moving forward with applying for both satellite imagery and a meter project grants. Since the approval at the February 16th Regular Board Meeting, staff has discovered that the

USBR will not allow one District to apply for two separate grants. Manager Moody will approach Reid Roberts and inquire if CSJWCD will apply for one of the grants. President Watkins reported there will be an American River Status Hearing on March 16th. There was discussion on technical work for Fiscal Year 2021/2022, which includes DWR's work with an electromagnetic survey that will need to be cross referenced to e-logs and will allow for map of overlying lands and ability to recharge. The next meeting is scheduled for April 8, 2021.

2. San Joaquin County & Delta Water Quality Coalition Meeting, 03/08/21
This meeting was cancelled.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 03/08/21
Manager Moody provided a handout of the Water Supply Report for information only that included storage, release, and production data collected from various sources as of midnight last night.

There is 148,106 AF in storage at New Hogan Reservoir. Current releases are set at 29 cfs. There is 1,548,801 AF in storage at New Melones Reservoir. Current release at Goodwin Dam to Stanislaus River are set at 400 cfs and release to all water users are set at 0 cfs. The City of Stockton is currently processing 13 mgd.

2. Information Items:
Manager Moody noted items: F2a-1, F2a-2 and F2a-3.
3. Report on General Manager Activities
 - a. Stockton East Water District Activities Update
Manager Moody reported he and Legal Counsel Zolezzi participated in a conference call to discuss the best approach for funding projects for SGMA. NSJWCD has wanted to partner with the District for a project, to avoid doing projects at separate times and to share cost of advertising and such. Manager Moody reported the County brought up an idea about the GWA itself doing an assessment on groundwater pumping. It was pointed out that the GSAs would only agree to this if there are clear guidelines that the money would go back to the GSAs.

G. DIRECTOR REPORTS (None)

H. COMMUNICATIONS (None)

I. AGENDA PLANNING/UPCOMING EVENTS

1. Eastern San Joaquin Groundwater Authority Steering Committee Meeting, 8:30 a.m., 03/10/21
This meeting has been cancelled
2. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 10:30 a.m., 03/10/21
3. Ad Hoc Meeting with Central San Joaquin Water Conservation District, 10:00 a.m., 03/11/21
4. ACWA State Legislative Committee Meeting, 10:00 a.m., 03/12/21

J. REPORT OF THE COUNSEL

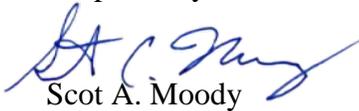
1. Closed Session - Existing Litigation
Stockton East Water District vs. City of Stockton, et al.
Government Code 54956.9 (a)
2. Closed Session – Personnel
Government Code 54957

President Watkins adjourned the meeting to closed session at 1:43 p.m. to discuss closed session agenda items. The regular meeting reconvened at 2:09 p.m., with no reportable action.

K. ADJOURNMENT

President Watkins adjourned the meeting at 2:10 p.m.

Respectfully submitted,



Scot A. Moody
Secretary of the Board

tbc

