



EAST BAY DISCHARGERS AUTHORITY
2651 Grant Avenue
San Lorenzo, CA 94580-1841
(510) 278-5910
FAX (510) 278-6547

A Joint Powers Public Agency

NOTICE: In compliance with AB 361 (2021), the Operations & Maintenance Committee meeting scheduled below will be accessible via Zoom video conferencing. Members of the public may participate in the meeting through the Zoom link or phone number below.

- Zoom link: <https://us02web.zoom.us/j/84250769407>
- Telephone dial-in: 1(669) 900-6833, meeting ID #842 5076 9407

ITEM NO. 12

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, June 14, 2022

9:00 A.M.

**East Bay Dischargers Authority
2651 Grant Avenue, San Lorenzo, CA 94580**

Committee Members: Toy (Chair); Cutter

OM1. Call to Order

OM2. Roll Call

OM3. Public Forum

OM4. EBDA Permit Compliance

(The Committee will be updated on EBDA's NPDES compliance.)

OM5. Status Report

(The Committee will be updated on EBDA's O&M activities.)

OM6. Motion to Approve the Renewal and Replacement Fund Project List for Fiscal Year 2022/2023

(The Committee will consider the motion.)

OM7. Motion Authorizing the General Manager to Issue a Purchase Order to Univar Solutions USA, Inc. for Sodium Bisulfite 25% Solution for Fiscal Year 2022/2023 in the Amount of \$125,000

(The Committee will consider the motion.)

OM8. Adjournment

Any member of the public may address the Commission at the commencement of the meeting on any matter within the jurisdiction of the Commission. This should not relate to any item on the agenda. It is the policy of the Authority that each person addressing the Commission limit their presentation to three minutes. Non-English speakers using a translator will have a time limit of six minutes. Any member of the public desiring to provide comments to the Commission on an agenda item should do so at the time the item is considered. It is the policy of the Authority that oral comments be limited to three minutes per individual or

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ten minutes for an organization. Speaker's cards will be available in the Boardroom and are to be completed prior to speaking.

In compliance with the Americans with Disabilities Act of 1990, if you need special assistance to participate in an Authority meeting, or you need a copy of the agenda, or the agenda packet, in an appropriate alternative format, contact Juanita Villasenor at juanita@ebda.org or (510) 278-5910. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the Authority staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

In compliance with SB 343, related writings of open session items are available for public inspection at East Bay Dischargers Authority, 2651 Grant Avenue, San Lorenzo, CA 94580. For your convenience, agenda items are posted on the East Bay Dischargers Authority website located at <http://www.ebda.org>.

**The next O&M Committee meeting will be held
Monday, July 18, 2022, at 9:00 a.m.**

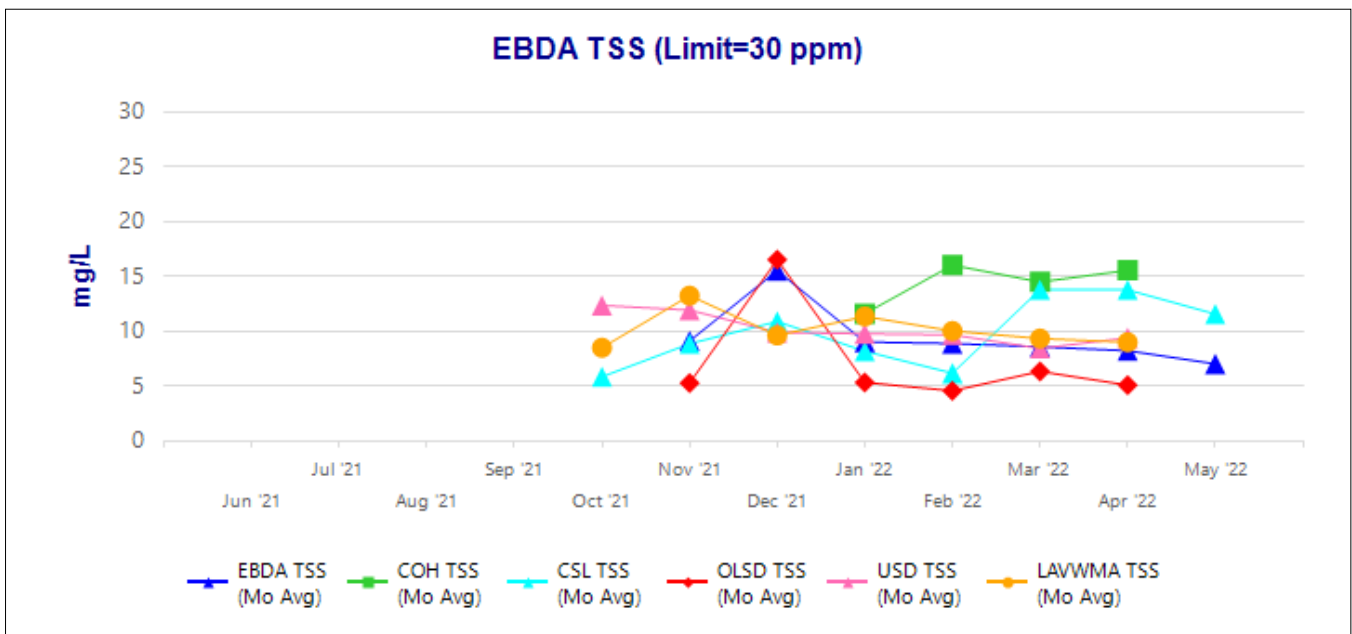
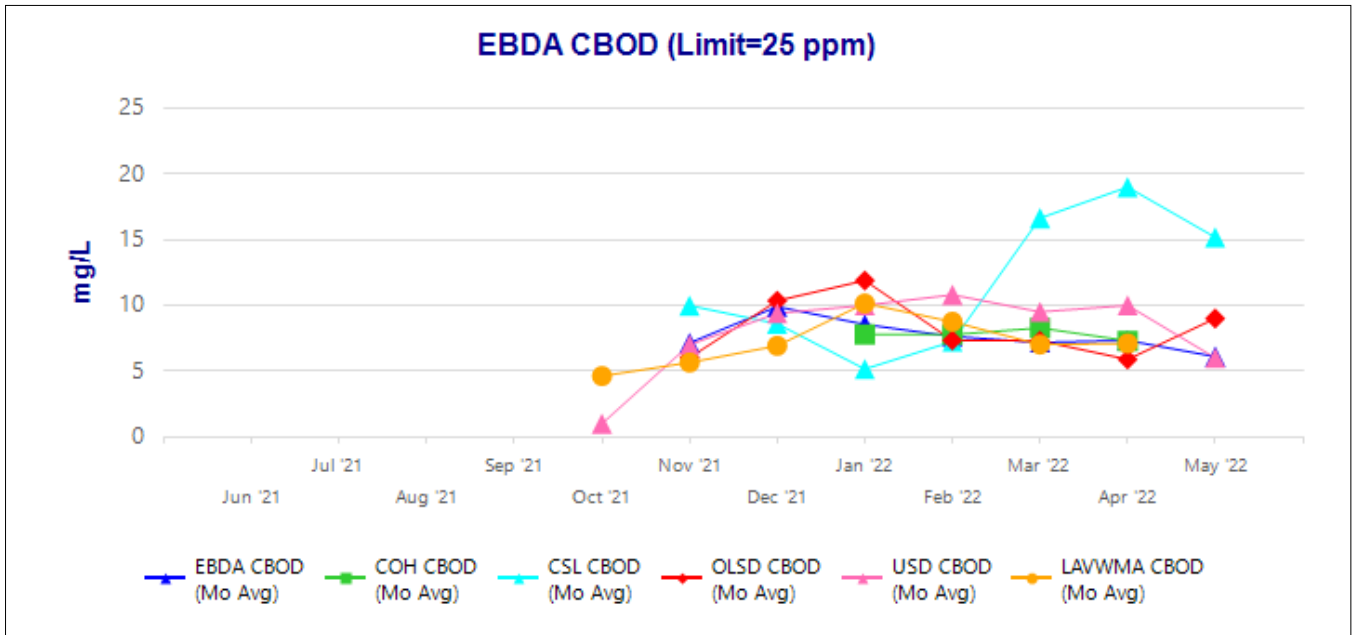
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

For the Committee’s information only; no action is required.

Discussion

There were no NPDES permit violations in April, and preliminary data from May are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included.



EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
June 2021 Geomean	13	4
July 2021 Geomean	11	2
August 2021 Geomean	52	32
September 2021 Geomean	26	10
October 2021 Geomean	33	4
November 2021 Geomean	13	8
December 2021 Geomean	22	8
January 2022 Geomean	4	2
February 2022 Geomean	6	6
March 2022 Geomean	7	4
4/4/2022	< 2	4
4/5/2022	< 2	2
4/6/2022	2	6
4/11/2022	< 2	15
4/12/2022	< 2	11
4/13/2022	2	10
4/18/2022	3	10
4/19/2022	< 2	6
4/20/2022	2	6
4/25/2022	4	15
4/26/2022	11	6
April 2022 Geomean	2	7
5/2/2022	8	60
5/3/2022	4	76
5/4/2022	4	72
5/9/2022	3	65
5/10/2022	8	31
5/16/2022	3	67
5/17/2022	2	43
5/23/2022	< 2	32
5/24/2022	2	49
5/30/2022	28	171
5/31/2022	11	6
May 2022 Geomean	5	48

ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS)

No change; all equipment is operational.

Hayward Effluent Pump Station (HEPS)

Effluent Pump Replacement Project

Project bid documents are still under review. Staff expects the project to go out to bid shortly, with installation of the new pumps occurring in late-2022.

Oro Loma Effluent Pump Station (OLEPS)

Emergency Outfall Upgrade

EBDA staff worked with Carollo Engineers (Carollo) on an evaluation of the OLEPS emergency outfall. The purpose of the evaluation was to determine the outfall's maximum capacity and whether modifications to the outfall weir would increase system detention time and delay or prevent an unanticipated bypass in the event of a catastrophic failure at OLEPS. The evaluation was completed and discussed with the MAC and the Commission. Carollo recommended that the existing lumber weir be replaced with a permanent concrete weir at an increased elevation. Carollo will provide a one-page drawing and pertinent material specifications that can be used for construction of the new elevated weir. In addition, the drawing will include specifications and/or direction for the preparation of the existing concrete surface and associated reinforcing. EBDA staff will then request contractor quotes to construct the new weir. Funds for this project were approved by the Commission on a previous Renewal and Replacement Fund Project List.

Main Electrical Switchboard Upgrade

Parts for the OLEPS main electrical switchboard upgrade arrived on site on June 6, 2022, and an electrical shutdown to perform the work is scheduled for June 23, 2022. PG&E will disconnect the power from 12:30 am to 10:30 am to facilitate the installation of new breakers, new busbar sections to connect the new breakers, new main electrical switchboard front panels, and upgraded power monitoring equipment. The San Leandro force main crew will open the OLEPS bypass valve and close the valve that connects the flows from UEPS and HEPS to OLEPS, allowing the UEPS and HEPS flows to bypass OLEPS during the electrical shutdown. Additionally, OLSD will divert its flow to its equalization basin for 7 hours out of the 10-hour shutdown. During the remainder of the shutdown, EBDA will operate one diesel pump.

Skywest Pump Station

Recycled Water Production

During the month of May 2022, the Skywest Recycled Water System operated for two days and produced 1.0 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

Total Residual Chlorine (TRC) Effluent Limit Implementation and Automation Upgrades

As discussed previously, in 2021 the Regional Water Quality Control Board adopted a blanket permit amendment revising the TRC effluent limits for all wastewater dischargers to San Francisco Bay. The permit amendment raises EBDA's TRC effluent limit from 0.0 mg/L at all times to 0.98 mg/L, measured as a one-hour average. The new limit will take effect as soon as the EPA approves the underlying Basin Plan Amendment. Work on this project is on hold until the new TRC effluent limit takes effect.

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received eight (8) Underground Service Alert (USA) tickets during the month of May 2022. Five required an Electronic Positive Response (EPR), and of the five, three required calls/emails to the excavators, and four required field verification.

Wet Weather

During the month of May 2022, there were no significant rain events that required the operation of an OLEPS diesel pump.

COVID-19 Response

All EBDA staff members are fully vaccinated and boosted. Staff will continue to work with the Commission to determine, on a month-to-month basis, whether Commission and Committee meetings will continue to be conducted via Zoom or whether to resume in-person meetings. To continue conducting remote meetings, the Commission must adopt a resolution compliant with AB 361 – see Item No. 8.

Special Projects

Roof Replacement Projects

EBDA requested that The Garland Company, Inc. (Garland) complete an assessment of the roofs on the EBDA Office Building, the MDF SBS Storage Building, and OLEPS. EBDA selected Garland through a competitive bidding process managed by OMNIA

Partners, a national bidding structure. Garland has performed this type of assessment in the past and completed several roof replacement projects for EBDA's Member Agencies. Garland will serve as the General Contractor overseeing the roofing contractor, using Garland's roofing products.

The assessment report was completed on April 4, 2022, and a job walk with potential bidders was conducted on May 2, 2022. Over the past several weeks, bids were received, and all were higher than expected. Staff will work with Garland to seek additional bids. The budget included in the Renewal and Replacement Fund Project List for FY 2022/2023 (see Item No. OM6) is a conservative estimate.

Disinfection Master Plan

Carollo has delivered a Final Disinfection Master Plan. The goal of this project was to develop a strategy for sodium hypochlorite (hypo) dosing and monitoring to prevent bacteria outbreaks and ensure consistent permit compliance while optimizing chemical dosage – both for disinfection and for dechlorination. Staff will be working with the Member Agencies to implement recommendations, which include continuing to boost chlorine at HEPS and OLEPS, shock dosing of chlorine at some sites, and enhanced residual monitoring.

Cargill Brine Project

Staff is continuing to work with the Authority's CEQA consultant, Ascent Environmental, to begin preparation of the Environmental Impact Report (EIR) for the project. A Notice of Preparation of the EIR was released on May 19, 2022, and a CEQA Scoping Meeting was held on June 1, 2022. The NOP and a recording of the Scoping Meeting are available on EBDA's website: <https://ebda.org/projects/cargill-partnership/>. Following additional discussions with City of Hayward staff, the project team has identified a new preferred route for the pipeline through Hayward. Staff plans to release a new NOP in early June with a new 30-day comment period. The new NOP will be posted on the website and distributed to the Commission.

Advanced Quantitative Precipitation Information (AQPI) Project

The regional AQPI project continues to move forward with a goal of improving prediction of rainfall events in the Bay Area. Installation of the radar at Rocky Ridge has faced some delays and is now planned for Summer 2022. A site tour was held on May 20, 2022, and photos of the site are shown below. As illustrated in these photos, there is a clear 360-degree line of sight from the new radar site, which will significantly improve storm data and prediction. A new East Bay AQPI Agreement is currently circulating to extend the funding terms from the previous agreement, which has expired. Staff expects to bring the new agreement to the Commission for consideration in July 2022.

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**ITEM NO. OM6 MOTION TO APPROVE THE RENEWAL AND REPLACEMENT
FUND PROJECT LIST FOR FISCAL YEAR 2022/2023**

Recommendation

Approve the Renewal and Replacement Fund (RRF) Project List for FY 2022/2023.

Background

Each year, the Commission is asked to approve a list of capital projects to be undertaken in the upcoming fiscal year using funds from the Authority's Renewal and Replacement Fund. The project list is developed using the Authority's Asset Management Plan (AMP), with input from the Managers Advisory Committee (MAC).

Discussion

The Authority's proposed RRF Project List for FY 2022/2023 is presented on the following page for the Committee's consideration, with project explanations on the subsequent page. Two updates have been made to the list reviewed by the Committee last month:

- OLEPS Equipment Steam Cleaning and Painting for \$15,000
- HEPS Pond #3 Valve Actuator Replacement for \$15,000

Staff is recommending Commission approval of a total expenditure of \$1,125,000 for RRF projects for FY 2022/2023. This includes \$100,000 for the Small Projects Fund for smaller ancillary equipment and components that the Authority owns that are operated with the intent to "run to failure," and for small and unforeseen projects.

RRF Projects for FY 2022/2023

<u>Facility</u>	<u>Renewal Replacement Fund Items</u>	<u>Projected Completion Date</u>	<u>Estimated Costs</u>
UEPS	Payment #3 of 10 Per JPA	July 2022	\$ 420,000
OLEPS, MDF & EBDA Office	Roof Replacement Project	September 2022	\$ 550,000
MDF	SBS Building Heating System Replacement	September 2022	\$ 25,000
OLEPS	Equipment Steam Cleaning & Painting	December 2022	\$ 15,000
HEPS	Pond #3 Valve Actuator Replacement	December 2022	\$ 15,000
		FY 2022/2023 Sub-Total	\$ 1,025,000
		Small Projects Fund	\$ 100,000
		FY 2022/2023 Total	\$ 1,125,000

UEPS – Payment #3 of 10 per JPA – \$420,000

The Amended and Restated Joint Powers Agreement (JPA) states that “in fiscal years from 2020/21 through 2029/30, the Authority will pay Union a total of Four Million, Two-Hundred Thousand dollars (\$4,200,000), divided in ten equal and annual installments, as a credit toward their annual budget contribution for Operation and Maintenance Costs, for all Capital Costs associated with the Union Effluent Pump Station during the Term of the Agreement.”

OLEPS, MDF & EBDA Office – Roof Replacement Project – \$550,000

Roof Replacement Projects

Installation of new roofs on the EBDA Office Building, the MDF SBS Storage Building, and OLEPS. The budget included here is a conservative estimate.

MDF – SBS Building Heating System Replacement – \$25,000

Installation of a new heating system in the SBS storage building at MDF. This project includes the installation of two new heaters and a new heating control system.

OLEPS – Equipment Steam Cleaning & Painting – \$15,000

With the replacement of the OLEPS Pumps #1 & #4 gear drive seals previously completed, the pumps are no longer leaking grease. Under this project, EBDA will steam clean the pumps, gear drive piping and associated areas of the pump station, and paint some of the gear drive piping and equipment.

HEPS – Pond #3 Valve Actuator Replacement – \$15,000

EBDA has agreed to split the cost of installation of the Pond #3 valve actuator with the City of Hayward. The actuator is the property of the City of Hayward, but replacing it will benefit both the City and EBDA. The current actuator does not have a feedback loop, so the information displayed on SCADA is limited. During wet weather storm events, having better information on SCADA will greatly improve EBDA operations. The ability to divert flow to Pond #3 will save EBDA the cost of pumping the flow to Pond #7, which requires the use of the HEPS pumps. Funds are also included for the programming necessary to add the valve operations to SCADA.

Small Projects Fund (formerly Contingency Fund) – \$100,000

The purpose of the Small Projects Fund is to provide additional funding for unidentified projects and/or equipment that may need to be replaced or refurbished in FY 2022/2023. Much of the smaller ancillary equipment and components that the Authority owns are operated with the intent to ‘run to failure’. This is a common practice at wastewater facilities with these types of assets, which include fans, valves, actuators, and small pumps and motors. While preventive maintenance is completed on a regular basis, forecasting an exact date of failure is not possible. The criteria for ‘run to failure’ are both that the equipment can be readily procured and that there is sufficient redundancy to meet system firm capacity. In some cases, staff will purchase critical items and have them on the shelf, reducing system equipment downtime.

ITEM NO. OM7 MOTION AUTHORIZING THE GENERAL MANAGER TO ISSUE A PURCHASE ORDER TO UNIVAR SOLUTIONS USA, INC. FOR SODIUM BISULFITE 25% SOLUTION FOR FISCAL YEAR 2022/2023 IN THE AMOUNT OF \$125,000

Recommendation

Approve a motion authorizing the General Manager to issue a Purchase Order to Univar Solutions USA, Inc. (Univar) in the amount of \$125,000 for the purchase of Sodium Bisulfite 25% Solution in FY 2022/2023.

Background

Since 2014, EBDA has elected to work collectively with the Bay Area Chemical Consortium (BACC) to obtain a bid for Sodium Bisulfite 25% Solution (SBS). The BACC is a consortium of over fifty water and wastewater agencies in Northern California who use their common purchasing power to achieve better pricing for treatment chemicals while reducing the costs of bidding processes. BACC was created and managed by Dublin San Ramon Services District and was recently transitioned to the umbrella of the Bay Area Clean Water Agencies (BACWA).

Discussion

This year, Univar USA, Inc. was the lowest responsive and responsible bidder for SBS, in fact the only bidder, with a delivered cost of \$1.475 per gallon. The per gallon cost of SBS has increased by \$0.265 from FY 2021/2022. Univar has been the successful bidder for SBS the past several years, so Authority staff has a history of working with them.

Each agency member of BACC is responsible for issuing its own PO with the supplier. Staff is recommending a PO ceiling of \$125,000, consistent with the adopted FY 2022/2023 budget. This is a decrease from the \$235,000 budgeted in previous years, and it reflects an anticipated reduction in SBS use upon implementation of new total chlorine residual effluent limits. Pending implementation of the new chlorine residual limits, actual spending on SBS this fiscal year may be even lower. However, it is unknown at this time exactly when the new limits will take effect or what their precise impacts on SBS usage will be, so staff is recommending setting the PO ceiling conservatively.



March 15, 2022

Univar Solutions USA Inc.
Attn: Jennifer Perras
8201 S 212th St.
Kent, WA 98032

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 11-2022 for Supply and Delivery of SODIUM BISULFITE.

Dear Ms. Perras,

We are pleased to advise you that the bid submitted by Univar Solutions USA Inc. for Bid No. 11-2022 was determined to be the lowest responsive bid for the supply and delivery of SODIUM BISULFITE during the period July 1, 2022 through June 30, 2023.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Univar Solutions USA Inc. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdymment@bacwa.org

Sincerely,

A handwritten signature in black ink, appearing to read "JDymment", with a long horizontal stroke extending to the right.

Jennifer Dymment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium