



EAST BAY DISCHARGERS AUTHORITY
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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. 14

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, March 15, 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. Cargill Mixed Sea Salt Brine Project

(The Committee will receive an update on the project.)

OM6. Status Report

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

OM7. 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 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

Agenda Explanation
East Bay Dischargers Authority
O&M Agenda
March 15, 2022

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
Tuesday, April 19, 2022, at 9:00 a.m.**

ITEM NO. OM4 EBDA PERMIT COMPLIANCE

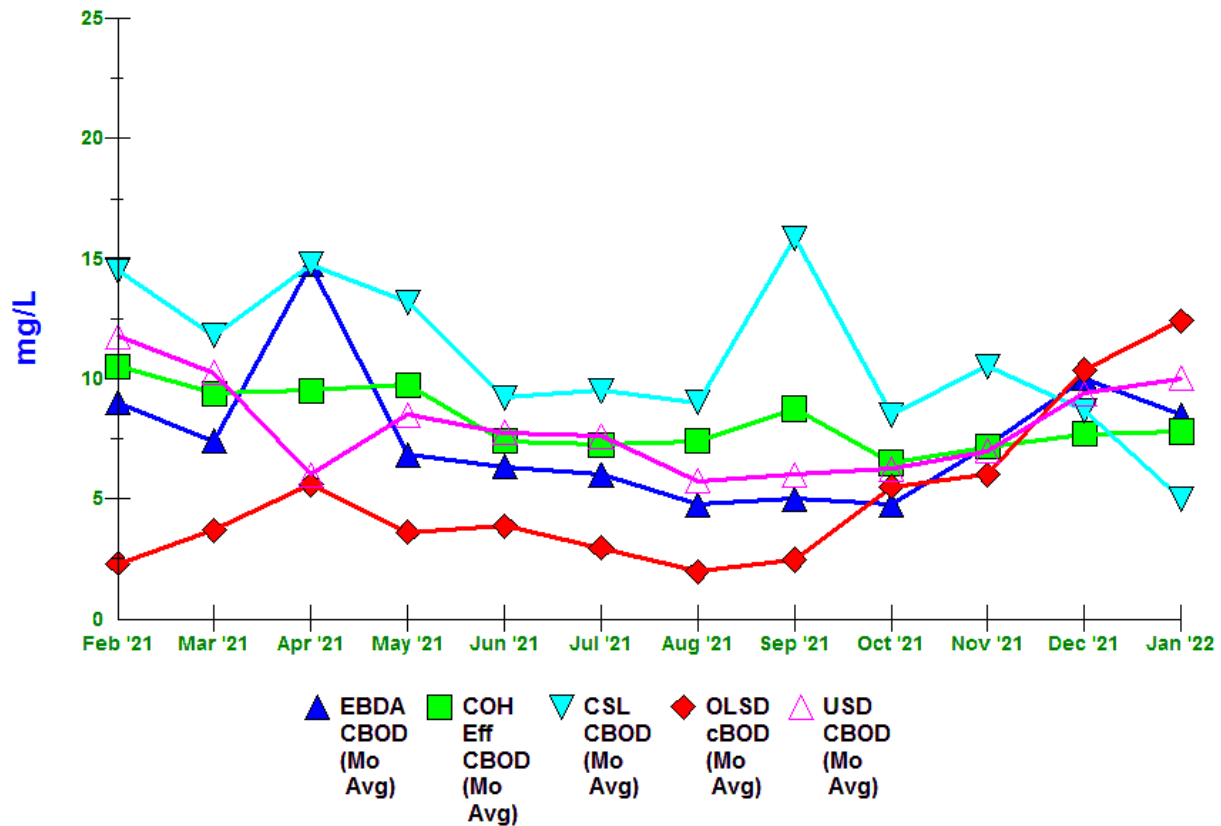
Recommendation

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

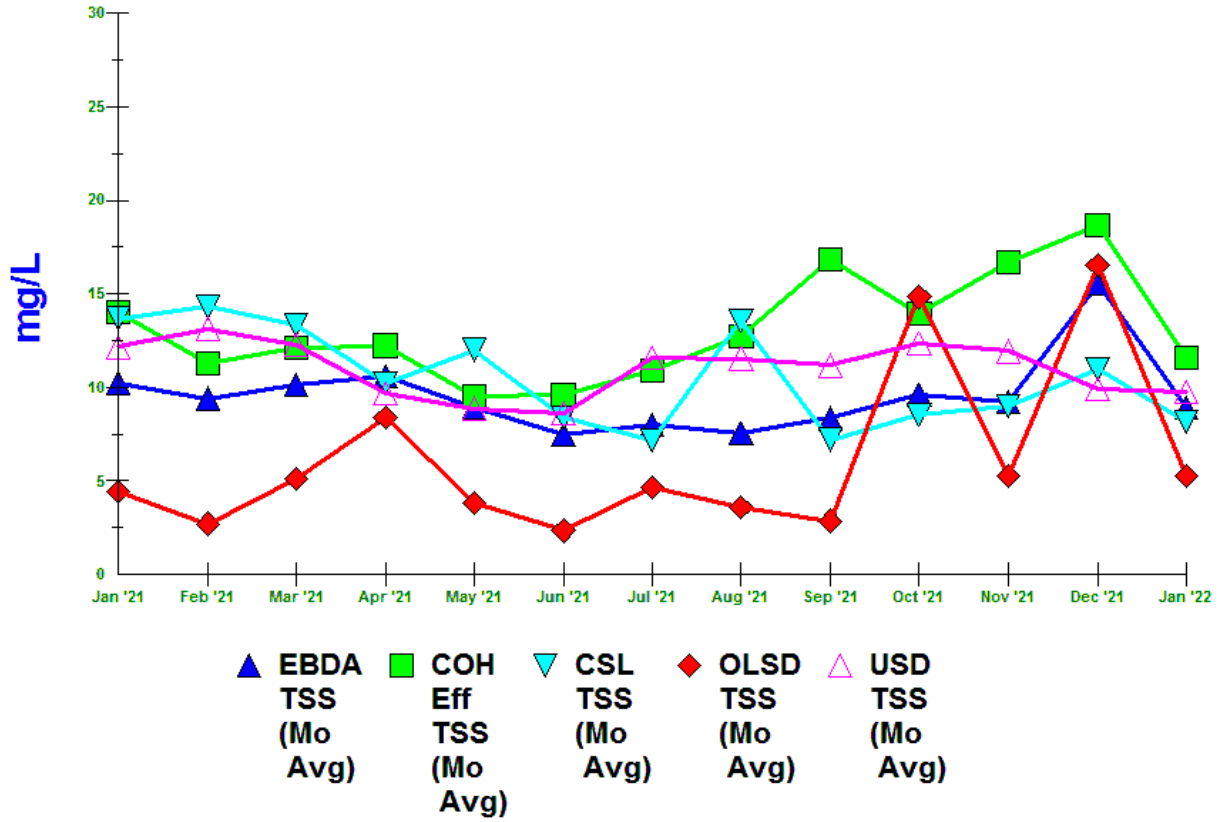
Discussion

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

EBDA CBOD (Limit=25 ppm)



EBDA TSS (Limit 30 ppm)



EBDA Bacterial Indicators

Date	FECAL	ENTERO	
	MPN/ 100mL	MPN/ 100mL	
Limit (90th Percentile)	1100		
Limit (Geomean)	500	240	
March 2021 Geomean	5	3	
April 2021 Geomean	13	3	
May 2021 Geomean	10	6	
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	
1/3/2022	2	6	
1/4/2022	4	<	2
1/5/2022	4	2	
1/10/2022	7	<	2
1/11/2022	2	2	
1/12/2022	4	2	
1/17/2022	3	<	2
1/18/2022	< 2	4	
1/24/2022	2	2	
1/25/2022	22	2	
1/31/2022	4	<	2
January 2022 Geomean	4	2	
2/1/2022	2	2	
2/2/2022	2	6	
2/7/2022	3	<	2
2/8/2022	2	2	
2/9/2022	11	27	
2/14/2022	360	6	
2/15/2022	13	21	
2/16/2022	4	2	
2/21/2022	6	6	
2/22/2022	11	11	
2/28/2022	2	8	
February 2022 Geomean	6	6	

ITEM NO. OM5 CARGILL MIXED SEA SALT BRINE PROJECT

Recommendation

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

Background

In 2019, EBDA staff was approached by Cargill, Inc. regarding developing a project to discharge a brine consisting of mixed sea salt (MSS) residual from Cargill’s solar salt ponds in Newark through EBDA’s transport system and outfall. Since that time, EBDA staff and consultants have been working with Cargill staff to advance the project. In July 2020, EBDA’s Commission adopted a non-binding Term Sheet laying out conceptual agreements on financial terms and next steps for due diligence for the project. A CEQA Review and Reimbursement Agreement was approved by the Commission in February 2021.

Discussion

Over the past several years, EBDA staff, with the support of consultants Brown & Caldwell, Carollo Engineers, and Larry Walker Associates, and working collaboratively with Cargill and its consultants, has been undertaking a due diligence process to evaluate potential risks to EBDA of accepting MSS brine and associated mitigation measures. EBDA and Cargill have been adapting the project scope accordingly. EBDA’s CEQA consultant, Ascent Environmental (Ascent) has also begun development of an Environmental Impact Report (EIR) for the project. EBDA’s legal counsel, Meyers Nave, has also been engaged to address legal questions as they arise and to assist with the CEQA process.

All of EBDA’s costs, including staff time and consultant and legal costs, are reimbursed by Cargill. Through February 2022, EBDA has billed Cargill for the following:

Due Diligence	\$ 686,856.88
CEQA	\$ 172,566.78
Capacity Fee Initial Payment	\$ 100,000.00
Total	\$ 959,423.66

At the March 17, 2022 Commission Meeting, representatives from Cargill, along with EBDA’s General Manager, will present an overview of the project, including drivers and objectives, due diligence results to date, and current and future activities.

ITEM NO. OM6 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)

Effluent Pump No. 1 Motor Failure

On Sunday, February 20, 2022, the OLEPS Effluent Pump No. 1 Motor failed. OLSD maintenance staff came in on the President's Day Holiday to remove the motor, and it was sent to Vincent Electric the next day. The motor is being completely refurbished, including rewinding. The motor is expected to be back in service by March 9, 2022. During the time that Effluent Pump No. 1 has been out of service waiting for the motor to return, additional preventative maintenance was completed, including replacement of the right angle gear drive input shaft seal.

Emergency Outfall Evaluation

EBDA staff is working with Carollo Engineers (Carollo) on an evaluation of the OLEPS emergency outfall. The purpose of the evaluation is 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. A draft report was reviewed by staff, and Carollo is working to address comments. Once completed, the findings will be presented to the MAC, and recommendations will subsequently be discussed with this Committee.

Main Electrical Switchboard Upgrade

With the start of the wet weather season and manufacturing delays due to the pandemic, the installation of the new breakers has been postponed until Summer 2022.

Skywest Pump Station

Recycled Water Production

During the month of February 2022, the Skywest Recycled Water System operated for two days and produced 1.08 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

SBS Storage Building Power Failure

On February 8, 2022, at approximately 12:42 am, the SBS Storage Building at MDF lost power. EBDA staff responded within 18 minutes and found that the main breaker to the SBS Building was tripped, but the SBS pumps continued to operate because each pump is on an uninterruptible power supply (UPS). Upon further investigation, one of the heaters in the SBS Building failed, causing the main breaker to trip. With the failed heater electrically isolated, the main breaker was reset. The SBS Building has two heaters, and the second heater is online at this time. A project to replace both heaters and the heating control system will be included on the FY 2022/2023 Renewal and Replacement Fund project list. The SBS Storage Building is heated because the chemical SBS will crystalize in cold temperatures.

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

As discussed previously, the Regional Water Quality Control Board recently 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. It is expected to take effect in the next few months as soon as the EPA approves the underlying Basin Plan Amendment. Work continues on the programmable logic controller (PLC) programming and control system modifications necessary to implement this new effluent limit. Staff is also working with Calcon to update the spreadsheets used for compliance reporting and data management.

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received seven (7) Underground Service Alert (USA) tickets during the month of February 2022. Four required an Electronic Positive Response (EPR) and calls/emails to the excavators. None of the USA tickets required field verification.

Wet Weather

During the month of February 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. One staff member did test positive for COVID-19 this month and has isolated per CDC guidelines. All other staff tested negative following the exposure. Staff will 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

Disinfection Master Plan

Staff is continuing to work with Carollo on a Disinfection Master Plan with a goal 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. A draft report was reviewed by staff, and Carollo is working to address comments. Carollo presented their findings to the MAC at its February meeting. Recommendations will be discussed with this Committee after the MAC has reviewed the draft report. The goal is to implement recommendations in time for Summer, when bacteria levels tend to elevate with the heat.

Cargill Brine Project

See Item No. OM5.

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 Spring 2022. National Oceanographic and Atmospheric Administration (NOAA) staff is continuing to make refinements to the user interface, which EBDA member agencies can access now for precipitation data and projections.