



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. 13

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, February 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. Status Report

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

OM6. 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 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.

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

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, March 15, 2022, at 9:00 a.m.**

ITEM NO. OM4 EBDA PERMIT COMPLIANCE

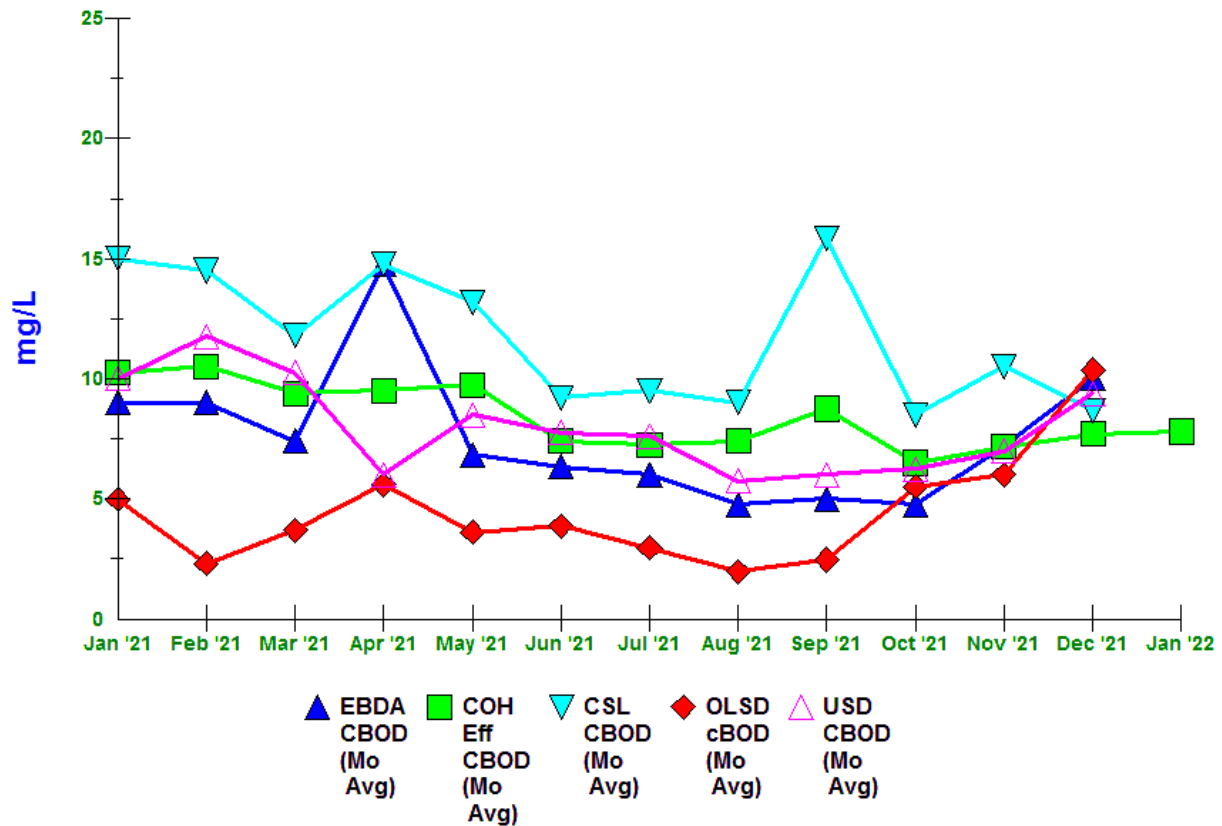
Recommendation

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

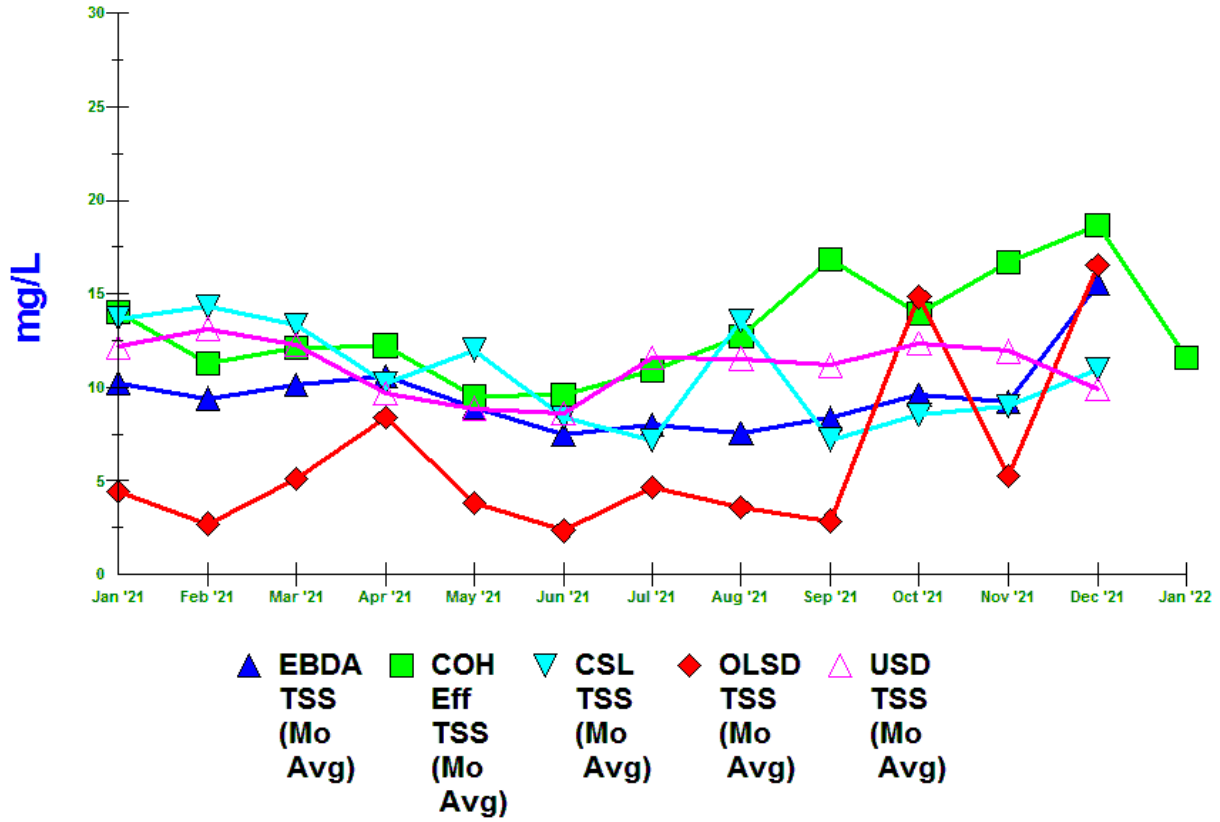
Permit Compliance Issues

There were no NPDES permit violations in November, and preliminary data from December 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
February 2021 Geomean	6	3
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
12/6/2021	4	2
12/7/2021	8	3
12/8/2021	17	154
12/13/2021	80	20
12/14/2021	23	7
12/15/2021	11	4
12/20/2021	189	10
12/21/2021	49	3
12/22/2021	220	4
12/27/2021	3	17
12/28/2021	8	5
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

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

The 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 Evaluation

EBDA staff is working with Carollo Engineers (Carollo) on an evaluation of the OLEPS emergency outfall. The purpose of evaluating the emergency outfall is to determine its maximum capacity and whether modifications to the outfall weir are recommended to increase system detention time and delay or possibly 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 wet weather and the manufacturing delays due to the pandemic, the installation of the new breakers is postponed until Spring 2022.

Skywest Pump Station

Recycled Water Production

The Skywest Recycled Water System did not produce any recycled water during the month of January 2022.

Marina Dechlorination Facility (MDF)

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, which is expected to take effect March 1, 2022, 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. 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

Development Along the EBDA Force Main Easement

EBDA was recently contacted regarding site development near the EBDA force main easement in Hayward. The preliminary design of the new development calls for parking spaces above the force main and a warehouse constructed next to the easement. This design is consistent with development directly to the north of this site and in other areas of the easement. On February 3rd, at the request of EBDA's contract geotechnical engineer, the developer conducted potholing above the force main. Potholing is an investigative construction method used to locate underground utilities, and it involves using a vactor truck to dig exploratory holes. The potholing determined the exact location and depth of the EBDA force main and will be used to prepare a technical memorandum with site specific restrictions and instructions for the developer. The developer has agreed to site improvements that will benefit EBDA by providing better access to a force main manhole to the south of the property.



Vactor truck potholing the EBDA force main



The EBDA force main can be seen 127 inches below grade at the center of the photo

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received ten (10) Underground Service Alert (USA) tickets during the month of January 2022. Five required an Electronic Positive Response (EPR), and of the five, four required calls/emails to the excavators, and two required field verification.

Wet Weather

During the month of January 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 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. 9.

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 will present their findings to the MAC at its February meeting. Recommendations will subsequently be discussed with this Committee. The goal is to implement recommendations in time for Summer, when bacteria levels tend to elevate with the heat.

Cargill Brine Project Due Diligence

EBDA staff is continuing to work with Cargill to advance the joint project connecting Cargill's solar salt ponds in Newark to the EBDA system for discharge of mixed sea salts into the Bay. EBDA's CEQA consultant, Ascent Environmental (Ascent) is progressing with development of an Environmental Impact Report (EIR) for the pipeline from Cargill to OLEPS. This extended pipeline, sometimes referred to as the "parallel pipeline" approach, prevents vulnerable sections of EBDA's transport system from brine exposure that would have occurred with a connection point further south near USD. Ascent is currently preparing the EIR assuming a street route for the pipeline.

The street route is challenging because it would cause major traffic disruption on Hesperian Blvd., a main artery through Hayward that is currently in good condition. The team is therefore continuing to evaluate other options, including:

- Bayside route, generally paralleling EBDA's Transport System. This route is challenging due to the sensitive habitat it traverses.
- Railroad route along the Union Pacific (UP) Railroad corridor. Cargill's design consultant is evaluating whether a pipeline could be installed along this route with a minimum of 35 feet clearance from the railroad center line at all points. This clearance is a UP threshold requirement.
- Southern connection with sliplining. This option would return to the original concept of connecting the brine pipeline just north of USD and then sliplining sensitive sections of EBDA's pipeline to prevent corrosion. This option also requires construction in sensitive habitat areas and will have greater impact on EBDA operations during construction.

Brown & Caldwell (BC) is continuing work to evaluate potential brine impacts on OLEPS equipment and the metal portion of the force main at MDF, both of which would encounter brine in any of the scenarios presented above. BC will recommend corrosion protection measures as needed based on their evaluation. A workshop to review preliminary recommendations is planned for February 23. Carollo is also performing laboratory testing to assess impacts of the brine on disinfection and dechlorination.

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 early 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.