



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. 14**

### **OPERATIONS & MAINTENANCE COMMITTEE AGENDA**

**Tuesday, December 14, 2021**

**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](mailto: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  
December 14, 2021

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, January 25, 2022, at 9:00 a.m.**

**ITEM NO. OM4 EBDA PERMIT COMPLIANCE**

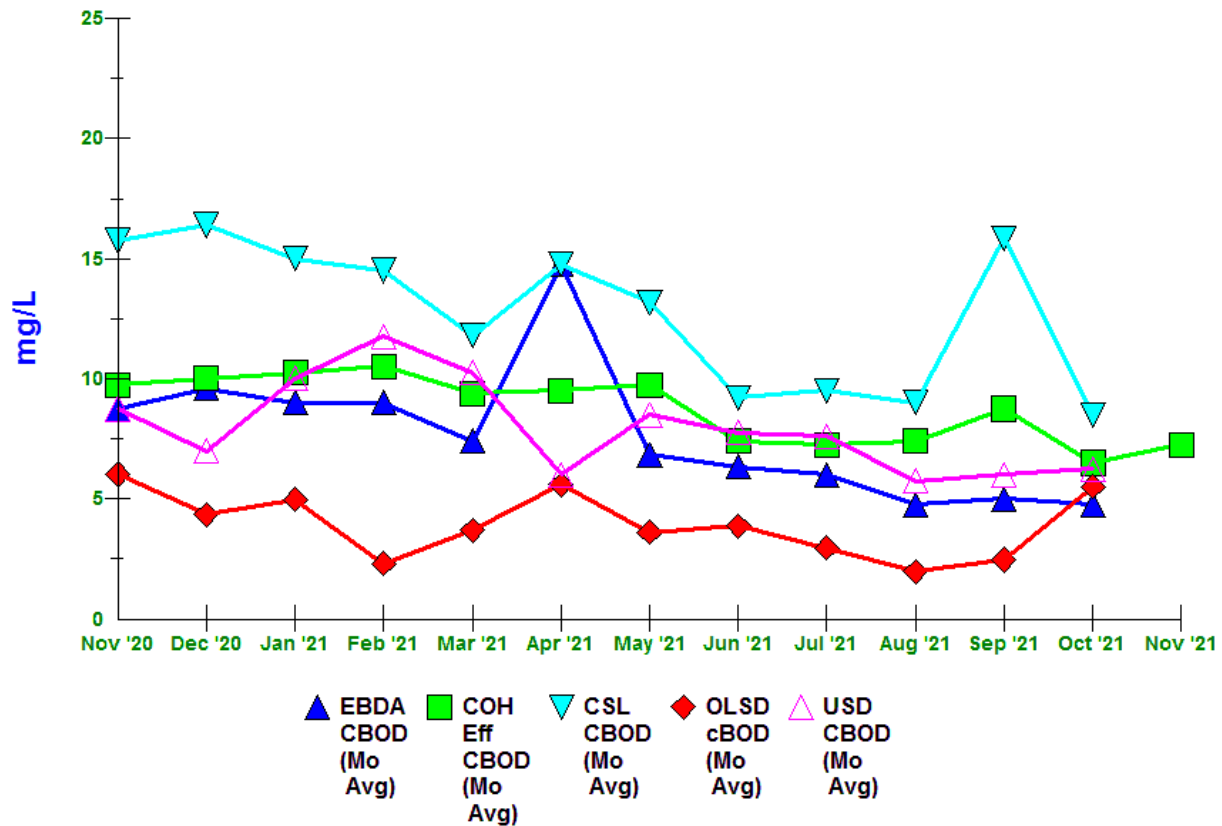
**Recommendation**

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

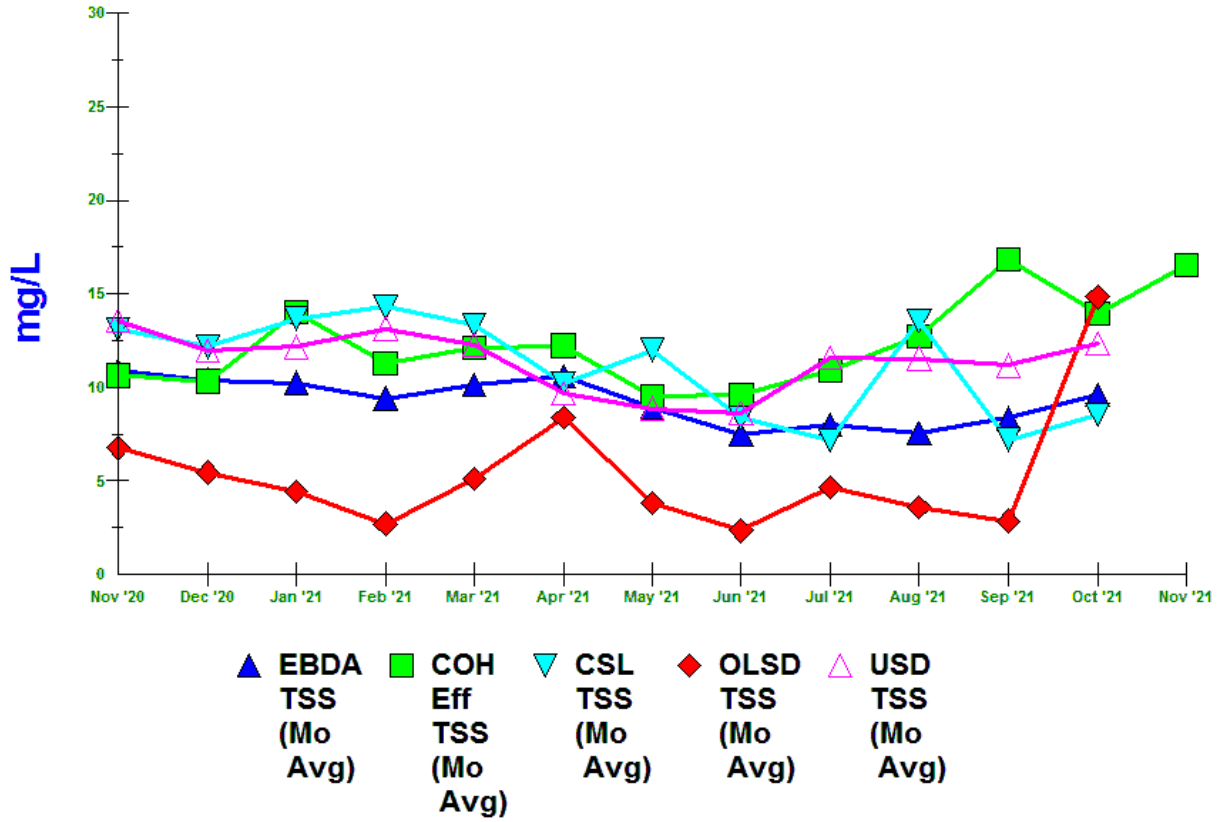
**Permit Compliance Issues**

There were no NPDES permit violations in October, and preliminary data from November 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 EFF TSS

## EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
<b>December 2020 Geomean</b>	<b>9</b>	<b>2</b>
<b>January 2021 Geomean</b>	<b>5</b>	<b>3</b>
<b>February 2021 Geomean</b>	<b>6</b>	<b>3</b>
<b>March 2021 Geomean</b>	<b>5</b>	<b>3</b>
<b>April 2021 Geomean</b>	<b>13</b>	<b>3</b>
<b>May 2021 Geomean</b>	<b>10</b>	<b>6</b>
<b>June 2021 Geomean</b>	<b>13</b>	<b>4</b>
<b>July 2021 Geomean</b>	<b>11</b>	<b>2</b>
<b>August 2021 Geomean</b>	<b>52</b>	<b>32</b>
<b>September 2021 Geomean</b>	<b>26</b>	<b>10</b>
10/4/2021	48	NA
10/6/2021	240	NA
10/8/2021	240	28
10/9/2021	NA	8
10/11/2021	346	2
10/12/2021	8	3
10/13/2021	49	3
10/18/2021	10	< 2
10/19/2021	7	2
10/20/2021	23	4
10/25/2021	10	8
<b>October 2021 Geomean</b>	<b>33</b>	<b>4</b>
11/1/2021	4	22
11/2/2021	4	58
11/3/2021	23	3
11/8/2021	7	35
11/9/2021	9	65
11/15/2021	NA	4
11/16/2021	NA	< 2
11/18/2021	17	NA
11/19/2021	79	NA
11/22/2021	51	2
11/23/2021	23	3
<b>November 2021 Geomean</b>	<b>13</b>	<b>8</b>

## **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)**

#### **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 the Spring of 2022.

### **Skywest Pump Station**

#### **Recycled Water Production**

The Skywest Recycled Water System did not produce any recycled water during the month of November 2021, due to wet weather in late October.

### **Marina Dechlorination Facility (MDF)**

#### **Total Residual Chlorine (TRC) Effluent Limit Implementation**

As discussed previously in the Regulatory Affairs Committee, the Regional Water Quality Control Board recently adopted a blanket permit revising the TRC effluent limits for all wastewater dischargers to San Francisco Bay. EBDA's current TRC effluent limit is 0.0 mg/L or parts per million (ppm), expressed as an instantaneous maximum. Per the permit amendment, EBDA's new TRC effluent limit will be 0.98 mg/L measured as a one-hour average. The blanket permit amendment was adopted pending approval of a related amendment to the San Francisco Bay Basin Plan by USEPA. That approval is expected in January 2022, in which case the new TRC effluent limit would automatically take effect on February 1, 2022.

With the new TRC effluent limit, EBDA can achieve compliance with minimal to no SBS dosing. EBDA staff is working with Calcon Systems, Inc. (Calcon) on the initial control system upgrades to implement the new limit. The initial upgrades include programming changes to the programmable logic controller (PLC) that controls the station. The current PLC programming does not allow chlorine to be discharged to the Bay. The new programming will allow chlorine to be discharged and will start the SBS pumps when the chlorine residual is over a maximum target. The initial programming will also include starting the SBS pumps on a regular basis to ensure that the system is operational and available when needed.

The new TRC effluent limit is expected to reduce SBS usage by approximately 85%, or a \$200,000 budgetary savings. As SBS has a relatively short shelf life, testing will also be conducted on the correct minimum SBS usage necessary to maintain the chemical's effectiveness. Additionally, Calcon will be updating the spreadsheets used for compliance data reporting and archiving.

### **Force Main**

No change; all equipment is operational.

### **Operations Center**

No change; all equipment is operational.

### **Miscellaneous Items**

#### **Underground Service Alerts**

EBDA received sixteen (16) Underground Service Alert (USA) tickets during the month of November 2021. Seven required an Electronic Positive Response (EPR), and of the seven, five required calls/emails to the excavators, and four required field verification.

#### **Wet Weather**

During the month of November 2021, there were no significant rain events that required the operation of an OLEPS diesel pump.

Total rainfall for the month of November 2021 (in inches) was as follows:

Oakland	Hayward	Livermore
0.89	0.70	0.70

#### **COVID-19 Response**

All EBDA staff members are fully vaccinated. 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 Engineers (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.

### **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. On December 7, 2021, EBDA's CEQA consultant, Ascent Environmental (Ascent) toured the proposed street route for the pipeline from Cargill to Oro Loma, along with Cargill and EBDA staff. 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 an Environmental Impact Report for the pipeline street route, while Cargill continues to evaluate the feasibility of a bayside pipeline route.

On December 8, 2021, Brown & Caldwell's subject matter experts conducted a site visit at OLEPS and MDF to evaluate potential brine impacts on OLEPS equipment and the metal portion of the force main at MDF. Brown & Caldwell will recommend corrosion protection measures as needed based on their evaluation.

The week of December 13, 2021, Carollo will be performing laboratory testing to assess impacts of the brine on disinfection and dechlorination. EBDA staff wishes to thank lab staff Sara Burke at Oro Loma, and Dan Jackson and Grace Calanog at USD, for accommodating this additional effluent sampling.

### **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. In April 2021, Sonoma Water's Board of Directors approved the agreements for the East Bay radar deployment and for the lease with American Tower. Installation of the radar at Rocky Ridge has faced some delays and is now planned for late 2021/early 2022.