



EAST BAY DISCHARGERS AUTHORITY  
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*A Joint Powers Public Agency*

**NOTICE:** Pursuant to the Governor's Executive Orders N-25-20 and N-29-20, 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 platform or phone number below.

- Zoom link: <https://us02web.zoom.us/j/86310622623>
- Telephone dial-in: 1(669) 900-6833, meeting ID #863 1062 2623

### **ITEM NO. 13**

## **OPERATIONS & MAINTENANCE COMMITTEE AGENDA**

**Tuesday, March 16, 2021**

**9:00 A.M.**

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

**Committee Members: Cutter (Chair); Johnson**

**OM1. Call to Order**

**OM2. Roll Call**

**OM3. Public Forum**

**OM4. EBDA Performance**

(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, please contact the Administrative Assistant at the EBDA office at (510) 278-5910 or [juanita@ebda.org](mailto:juanita@ebda.org). Notification of at least 48 hours prior to the meeting or time when services are needed

Agenda Explanation  
East Bay Dischargers Authority  
O&M Agenda  
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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 13, 2021, at 9:00 a.m.**

**ITEM NO. OM4 EBDA PERFORMANCE**

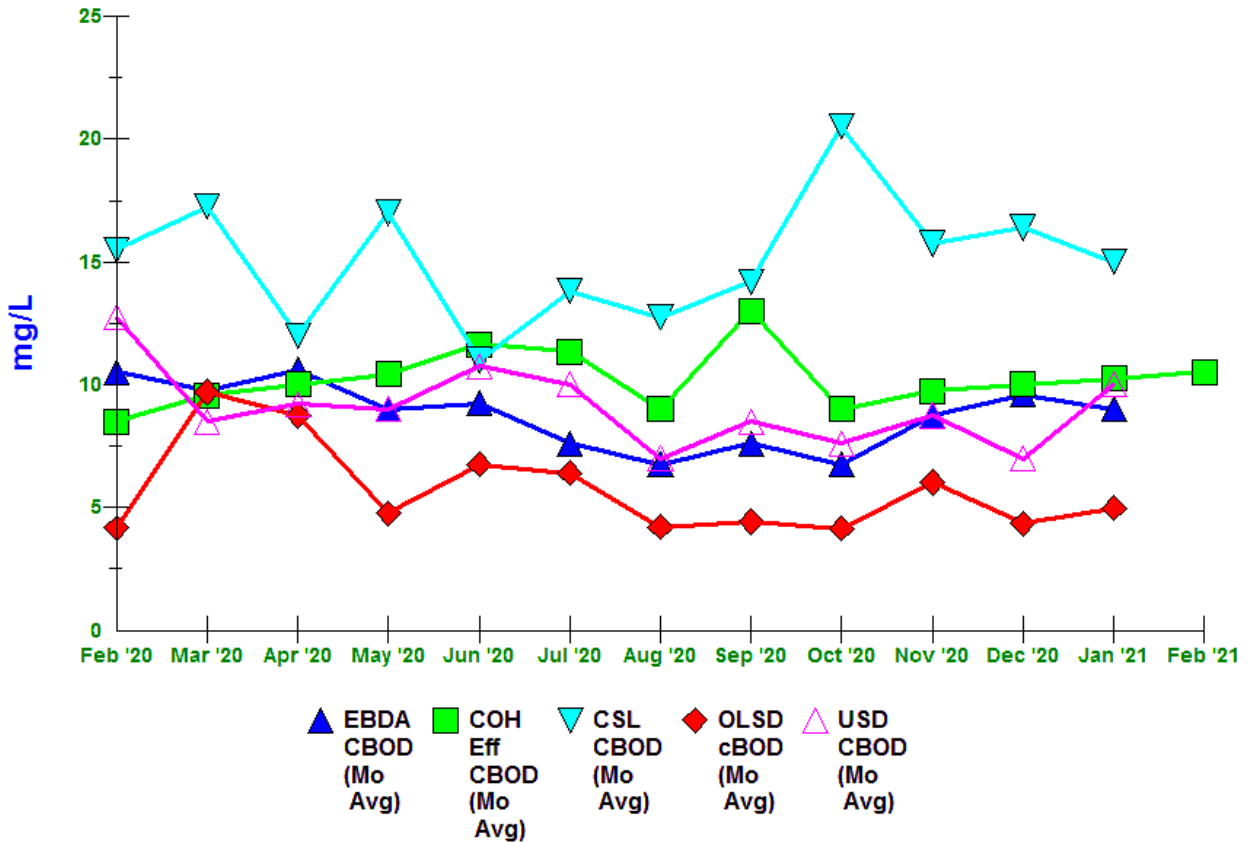
**Recommendation**

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

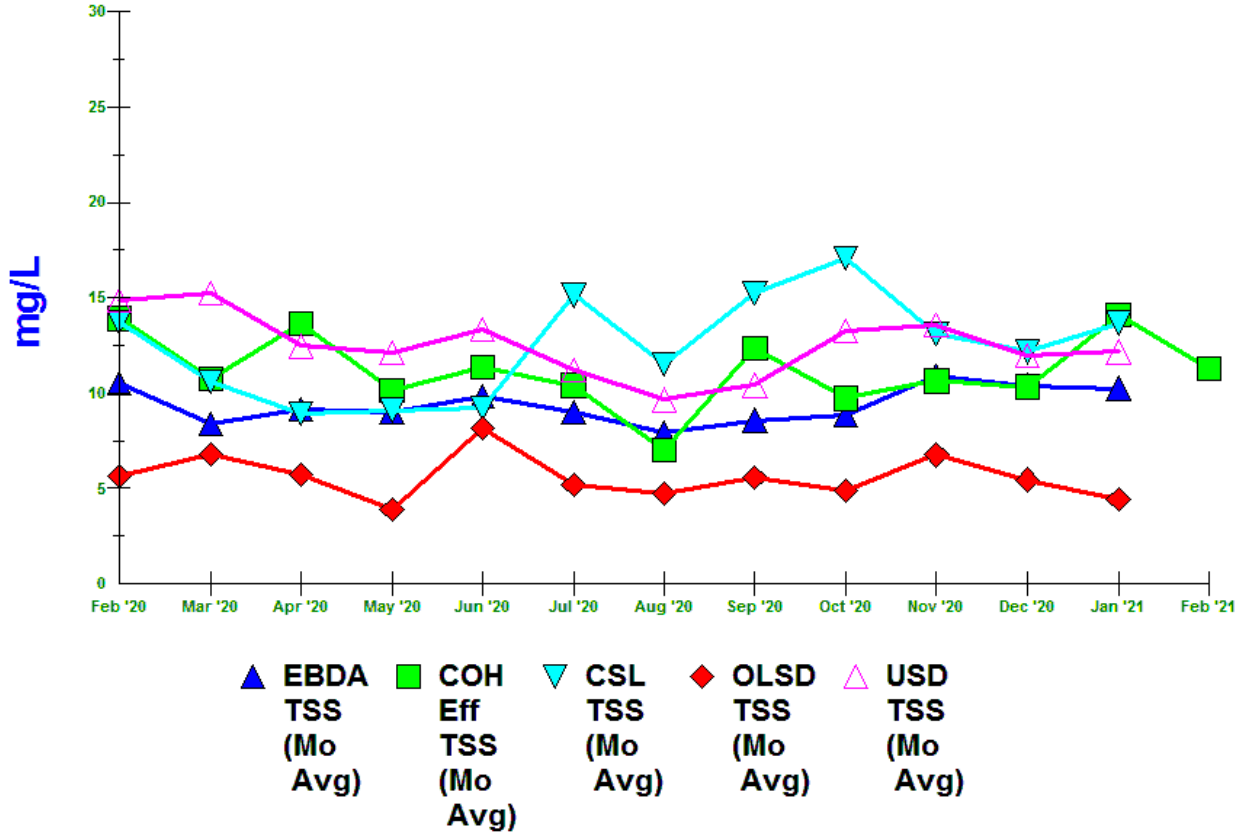
**Permit Compliance Issues**

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 EFF TSS

### EBDA Bacterial Indicators

Date	FECAL	ENTERO	
	MPN/ 100mL	MPN/ 100mL	
Limit (90th Percentile)	1100		
Limit (Geomean)	500		240
<b>March 2020 Geomean</b>	<b>8</b>	<	<b>2</b>
<b>April 2020 Geomean</b>	<b>4</b>		<b>2</b>
<b>May 2020 Geomean</b>	<b>40</b>		<b>2</b>
<b>June 2020 Geomean</b>	<b>28</b>		<b>3</b>
<b>July 2020 Geomean</b>	<b>27</b>		<b>3</b>
<b>August 2020 Geomean</b>	<b>23</b>		<b>3</b>
<b>September 2020 Geomean</b>	<b>41</b>		<b>5</b>
<b>October 2020 Geomean</b>	<b>30</b>		<b>9</b>
<b>November 2020 Geomean</b>	<b>11</b>		<b>4</b>
<b>December 2020 Geomean</b>	<b>9</b>		<b>2</b>
1/4/2021	4		4
1/5/2021	7	<	3
1/6/2021	2		12
1/11/2021	3	<	2
1/12/2021	4		3
1/13/2021	2		4
1/18/2021	2	<	2
1/19/2021	2	<	2
1/20/2021	70		2
1/25/2021	9		4
1/26/2021	8		2
<b>January 2021 Geomean</b>	<b>5</b>		<b>3</b>
2/1/2021	2	<	2
2/2/2021	9		3
2/3/2021	4	<	2
2/8/2021	109		2
2/9/2021	49	<	3
2/15/2021	< 3	<	2
2/16/2021	5		9
2/17/2021	2		2
2/22/2021	135	<	2
2/23/2021	7		3
2/24/2021	4	<	2
<b>February 2021 Geomean</b>	<b>6</b>		<b>3</b>

## **ITEM NO. OM5 STATUS REPORT**

### **Union Effluent Pump Station (UEPS – Formerly AEPS)**

#### **Radio Communications**

EBDA has been experiencing issues receiving data communications from UEPS. Calcon Systems, Inc. (Calcon) attempted to repair the existing equipment but was unsuccessful. Calcon installed a new radio at the top of the UEPS surge tower and at the EBDA office. The new radio at the EBDA office was defective, and the manufacturer provided a replacement. On February 18, 2021, Calcon installed the replacement radio. Data communication is now fully restored, and EBDA is receiving data from UEPS and USD is receiving data from the EBDA system.

### **Hayward Effluent Pump Station (HEPS)**

No change; all equipment is operational.

### **Oro Loma Effluent Pump Station (OLEPS)**

#### **Wet Well Hypochlorite (Hypo) System**

On March 2, 2021, Calcon installed the new hypo flow meter, and they are waiting for two backordered valves to complete the new hypo piping. Once the valves are received, Calcon will schedule the connection of the new hypo system to OLSD's hypo supply piping. This work is tentatively scheduled for the week of March 15<sup>th</sup>.

#### **Main Electrical Switchboard Upgrade**

EBDA has a signed contract with Graybar Electric Company, Inc. for the OLEPS Main Electrical Switchboard Upgrade. Staff will be scheduling an electrical shutdown at OLEPS with PG&E after the wet weather season to allow for the first phase of the project, which includes removing the front panels of the Main Electrical Switchboard for cleaning, inspection, and to take detailed measurements for the new replacement breakers. Prior to the electrical shutdown, a thermographic survey of the Main Electrical Switchboard will be completed.

### **San Leandro Effluent Pump Station (SLEPS)**

No change; all equipment is operational.

### **Skywest Pump Station**

#### **Recycled Water Production**

During the month of February 2021, the Skywest Recycled Water System did not produce any recycled water.

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

No change; all equipment is operational.

### **Force Main**

#### **San Leandro Force Main Shutdown**

On February 10, 2021, as part of the Cargill Brine Project inspection, the northern portion of the transport system was shut down to assess the condition of the concrete pipe. See Special Projects for additional details.

### **Operations Center**

No change; all equipment is operational.

### **Miscellaneous Items**

#### **Underground Service Alerts**

EBDA received six (6) Underground Service Alert (USA) tickets during the month of February 2021. Four required an Electronic Positive Response (EPR), and of the four, two required calls to the excavators, and one required field verification.

#### **Wet Weather**

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

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

Authority staff is continuing to implement the Pandemic Response Plan, which includes staff working from home and alternating time in the office to ensure social distancing. Signage regarding closure of the office to the public and the Authority's social distancing measures is posted on the office door. All meetings are being conducted by phone and web conference until further notice. Several staff members have received their first vaccine dose, and staff is continuing to monitor availability for all water and wastewater utility workers.

Staff is also continuing to track research efforts utilizing data on the prevalence of SARS-CoV-2 virus in wastewater influent to identify and anticipate COVID-19 community trends, termed wastewater-based epidemiology. Alameda County Public Health is still working to prioritize locations for which wastewater surveillance data will be most helpful and determine how they would use the data. As a pilot program, Union Sanitary District continues to sample twice weekly in their Alvarado basin, which encompasses the City of Union City, with samples analyzed by UC Berkeley.

**Special Projects**

**Cargill Brine Project Due Diligence**

Working with San Leandro, EBDA implemented a shutdown of the northern portion of the transport system for eight hours, during the day, on February 10, 2021 to perform an inspection. During the inspection, core samples of the concrete pipe were collected and will be analyzed to assess chloride penetration and the susceptibility of the concrete to corrosion induced by the brine addition. Based on the results of the core samples, a plan for further inspections will be developed.



Transport System Inspection



Inside Manhole Before Force Main Entry



Inside Force Main



Core Samples

EBDA staff is continuing to work with Cargill to assess risks of adding brine to the EBDA transport system, particularly with respect to accelerating corrosion. The team is taking a two-pronged approach to addressing corrosion risks:



- Condition and Vulnerability Assessment: Inspections of the transport system such as the core sampling event conducted on February 10 are intended to understand the current state of the pipe and delineate which conditions and locations might be at greatest risk for accelerating corrosion and thus require mitigation such as lining. Laboratory results from the core samples are expected in the next few weeks, and based on those results, a plan for further inspections will be developed.
- Corrosion Mitigation Strategy: In parallel, with funding from Cargill, Brown and Caldwell, EBDA’s transport system consultant, is develop a strategy and cost estimate for lining, coating, or bypassing vulnerable sections of the transport system to protect against corrosion.

EBDA staff is also continuing to work with Cargill to plan for installation of a pipeline connecting Cargill’s Newark facility to the EBDA system. The team is coordinating with the City of Union City, whose planned bike path project on Union City Boulevard corresponds with the proposed alignment for the pipeline. Vice Chair Cutter, along with EBDA’s General Manager, presented an overview of the project to the Union City Council on March 9, 2021.

**Advanced Quantitative Precipitation Information (AQPI) Project**

The regional AQPI project, with a goal of improving prediction of rainfall events in the Bay Area, continues to move forward. The Cooperative Agreement for installation of the X-band radar in the East Bay has been approved by the East Bay agencies, but approval by Sonoma County Water District (Sonoma Water), the implementing agency, was slowed by the COVID-19 emergency and wildfires. The East Bay agreement, as well as the lease agreement with American Tower for the site, will likely be approved by Sonoma Water in April 2021. As they await approval of the agreement, the team is preparing for installation of the X-band at Rocky Ridge.

As implementation of this current phase continues, the AQPI team is actively seeking federal and state funding for the long-term implementation of the program. Informational meetings have been planned with California state legislators. The table below provides a summary of currently scheduled meetings.

Date	Time	Legislator	District
3/15	11:00 – 11:30	Quirk	AD 20 - Alameda Co.: Fremont, Hayward, Pleasanton
3/15	3:00 – 4:00	Wieckowski	SD 10 - Alameda, Santa Clara Co. - Fremont, Hayward, Milpitas, San Jose
3/25	12:30 – 1:00	Grayson	AD 14 - Alameda, Contra Costa, Napa, Solano Co. - Vallejo, Concord
4/15	12:00 – 12:30	Wicks	AD 15 – Alameda, Contra Costa Co. - Pinole, Richmond, Berkeley
4/21	11:00 – 12:00	Mullin	AD 22 – San Mateo Co. - South San Francisco, Redwood City, Pacifica, Moss Beach