



EAST BAY DISCHARGERS AUTHORITY
2651 Grant Avenue
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A Joint Powers Public Agency

NOTICE: In compliance with AB 361 (2021), the meeting scheduled below will be conducted virtually via Zoom video conferencing.

- Members of the public may participate in the meeting by clicking on the following Zoom link: <https://us02web.zoom.us/j/83944888857>
- You may also participate via telephone by dialing 1(669) 900-6833 and entering Meeting ID number 839 4488 8857.

ITEM NO. 13

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Monday, October 17, 2022

9:00 A.M.

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

Committee Members: Johnson (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
October 17, 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
Monday, November 14, 2022, at 9:00 a.m.**

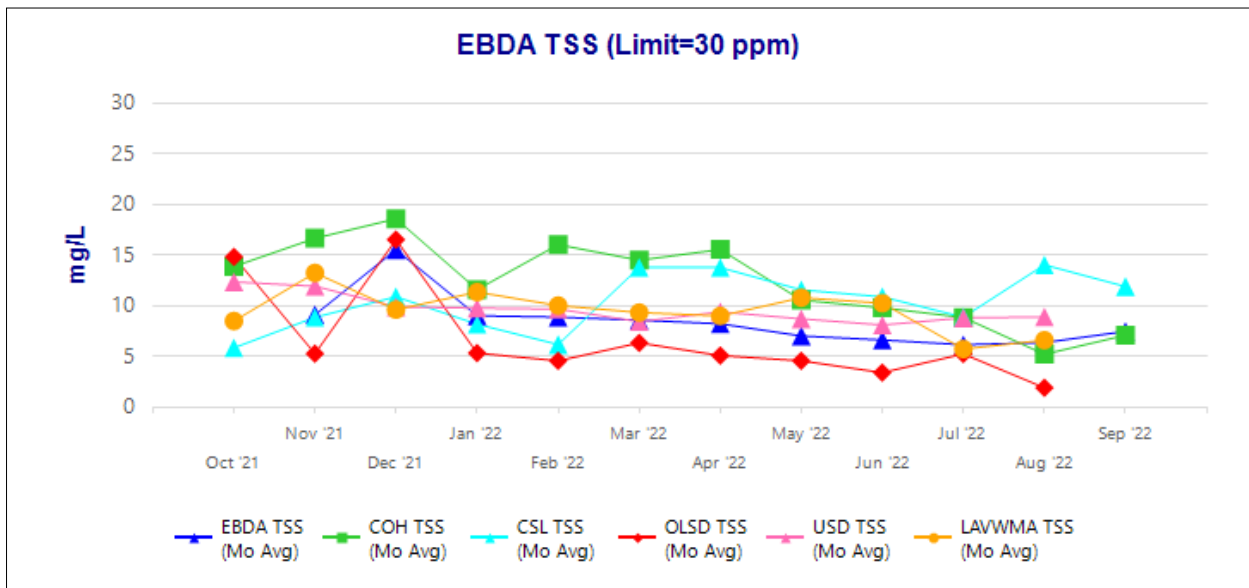
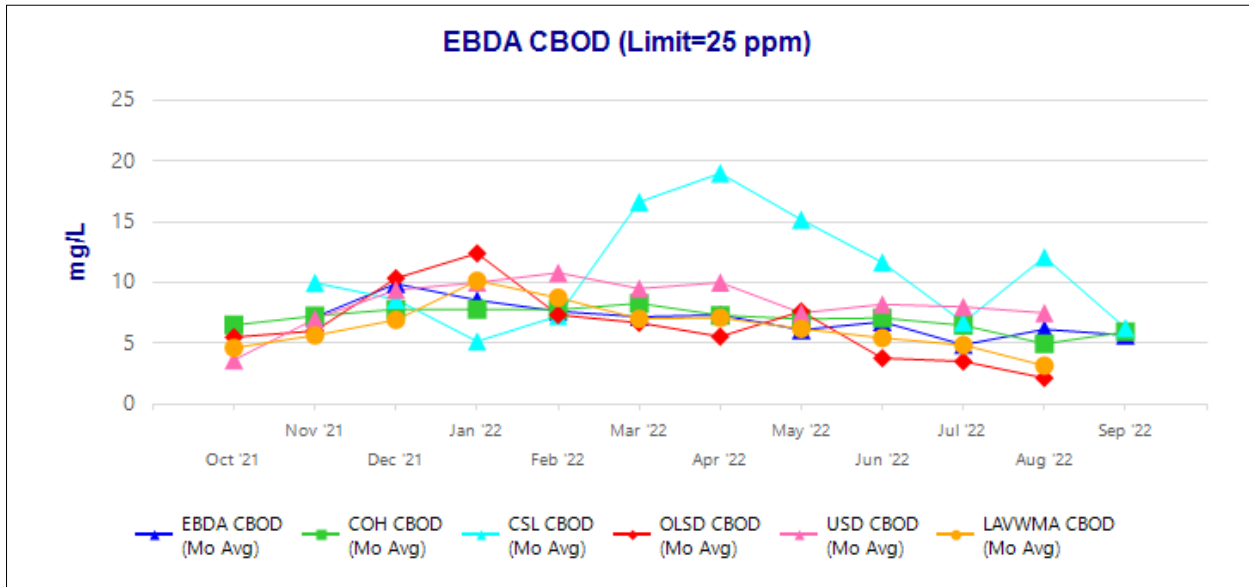
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

EBDA’s new NPDES permit went into effect on September 1, 2022. There were no NPDES permit violations in August, and preliminary data from September 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
Permit Expiring Aug 31, 2022		
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
Permit Beginning September 1, 2022		
Limit (90th Percentile)	1100	1100
Limit (Geomean)	500	280
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
April 2022 Geomean	2	7
May 2022 Geomean	5	48
June 2022 Geomean	5	57
July 2022 Geomean	20	6
8/1/2022	23	6
8/2/2022	11	31
8/3/2022	8	< 2
8/8/2022	7	8
8/9/2022	170	15
8/15/2022	13	19
8/16/2022	33	46
8/22/2022	5	15
8/23/2022	240	2407
8/29/2022	2	38
8/30/2022	4	1226
August 2022 Geomean	15	34
9/5/2022	170	19
9/6/2022	1100	8
9/7/2022		34
9/12/2022	4	10
9/13/2022	13	63
9/14/2022		15
9/19/2022	22	51
9/20/2022	350	37
9/26/2022	13	24
9/27/2022	13	115
September 2022 Geomean	43	28

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 Notice Inviting Bids for this project was advertised on October 4 and 11, 2022, a pre-bid conference is scheduled for October 18, 2022, at HEPS and the bids are due on November 15, 2022.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Preventative Maintenance Activities

During the weeks of September 26th and October 3rd, staff coordinated with the OLSD Operations and Maintenance Departments to isolate and pump down the North and South wet wells at OLEPS to facilitate preventative maintenance activities.

While the wet wells were pumped down, the OLSD Maintenance Department performed confined space entries to inspect the heat exchangers on the No. 2 and 3 Effluent Pumps. The heat exchangers were found to be in good condition. Staff would like to thank the OLSD Operations and Maintenance Departments for their assistance completing these preventative maintenance activities.

Effluent Pump No. 2 Inlet Gate

In the process of completing the preventative maintenance activities described above, the Effluent Pump No. 2 Inlet Gate got stuck in the closed position when the actuator drive threads failed. OLSD Maintenance staff disassembled the gate actuator, opened the gate using the OLEPS Bridge Crane, and sent the old actuator part out to have a new one custom fabricated. With the Bridge Crane holding the Inlet Gate open, the pump is fully operational and ready for wet weather.

Emergency Outfall Upgrade

Carollo Engineers (Carollo) completed an evaluation of the OLEPS emergency outfall 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. Carollo recommended that the existing lumber weir be replaced with a permanent concrete weir at an increased elevation. On September 16, 2022, Carollo Engineers completed the drawing and specifications that will be used for construction of the new elevated weir. Staff plans to request bids for this project next month.

Main Electrical Switchboard Upgrade

There are two outstanding items that still need to be addressed prior to completing the OLEPS Main Electrical Switchboard Upgrade Project. Schneider Electric, the project contractor, must fabricate and install new blanks or spacers to cover the space between the new breakers and the front panels. Schneider Electric also needs to issue a credit of approximately \$4,800 to reimburse EBDA for expenses incurred during the June 23, 2022, shutdown that was cancelled due to their oversights.

Skywest Pump Station

Recycled Water Production

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

Marina Dechlorination Facility (MDF)

Sodium Bisulfite (SBS) Storage Building Heating System Replacement

The SBS Storage Building is heated because the chemical SBS will crystalize in cold temperatures. One of the heaters in the SBS Building recently failed, and staff recommended a project to replace both heaters and the heating control system. The Commission approved the project as part of the FY 2022/2023 Renewal and Replacement Fund project list. On September 19, 2022, B.A. Morrison, EBDA's HVAC contractor, installed the two new heaters in the SBS Storage Building at MDF. Calcon, EBDA's electrical and instrumentation contractor, assisted with the integration to the new heating control system. The new heaters are operational and the last item to be completed is to connect the new heating system to the SCADA system.

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received eleven (11) Underground Service Alert (USA) tickets during the month of September 2022. Five required an Electronic Positive Response (EPR), and of the five, two required calls/emails to the excavators, and three required field verification.

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.

EBDA Vehicle

On September 16, 2022, a Purchase Order was submitted to National Auto Fleet Group for EBDA's new F-150 Truck. On September 26, 2022, staff traded in EBDA's 2008 Ford Ranger for \$9,100. Due to the high trade-in value, it was necessary to trade-in the truck as soon as possible before the trade-in value was reduced. The new F-150 is on order, and EBDA is waiting for an estimated delivery date from Ford.

Special Projects

Roof Replacement Projects

On September 26, 2022, the Agreement with Garland/DBS, Inc. for the roof replacements at the EBDA Administration Building, the MDF Sodium Bisulfite (SBS) Storage Building, and OLEPS was signed. The contractor is planning on starting the project in two to four weeks.

Cargill Brine Project

Staff is continuing to work with the Authority's CEQA consultant, Ascent Environmental, on preparation of the Environmental Impact Report (EIR) for the project. A draft of the EIR is currently undergoing internal review, and staff expects to release it for public comment this Fall. Information about the project and the CEQA process are being kept up to date here: <https://ebda.org/projects/cargill-partnership/>.

Staff has begun negotiations with Cargill on a Project Development and Operating Agreement, which would be brought to the Commission for consideration coincident with EIR certification, likely in Spring 2023. A draft technical addendum has been developed that outlines water quality limitations and monitoring requirements to ensure EBDA's continued compliance with our NPDES permit once brine discharge commences. The addendum will also include a corrosion monitoring plan, with triggers for action if accelerating corrosion is observed.

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 additional delays relating to contractor approval by American Tower, who controls the Rocky Ridge site via lease from EBMUD. A new contractor has now been identified, and the team is awaiting American Tower's approval. The installation is now estimated for this Fall.