



ITEM NO. 14

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, November 14, 2023

1:30 P.M.

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

Committee Members: Johnson (Chair); Lathi

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.

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>.

**Next Scheduled Operations and Maintenance Committee is
Tuesday, December 19, 2023, at 2:00 p.m.**

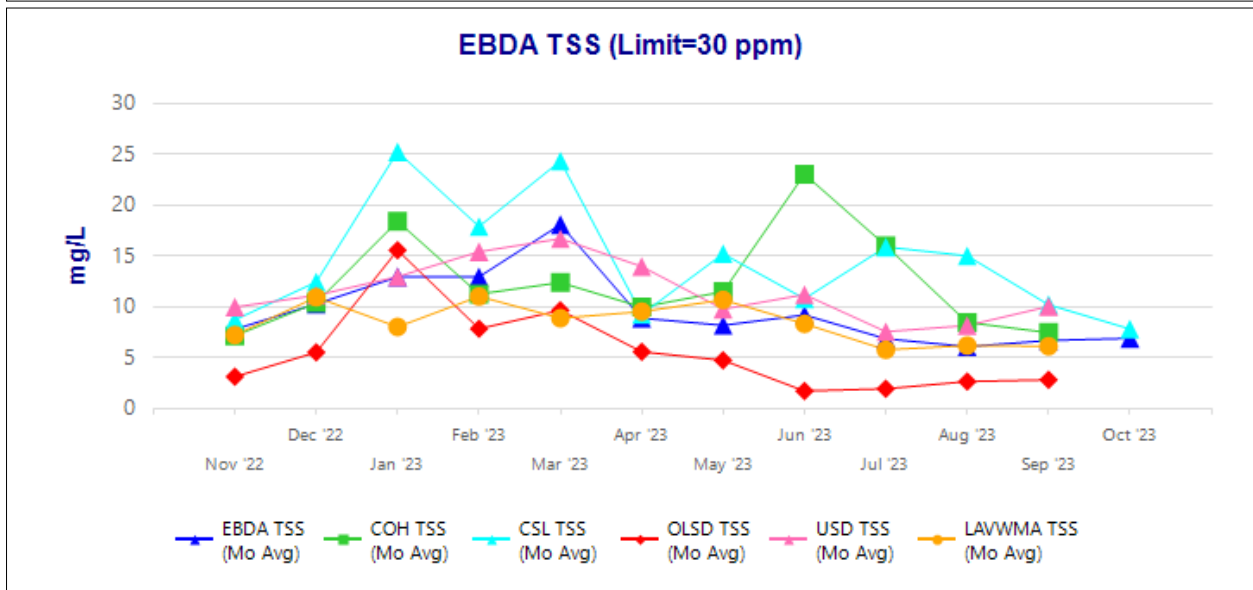
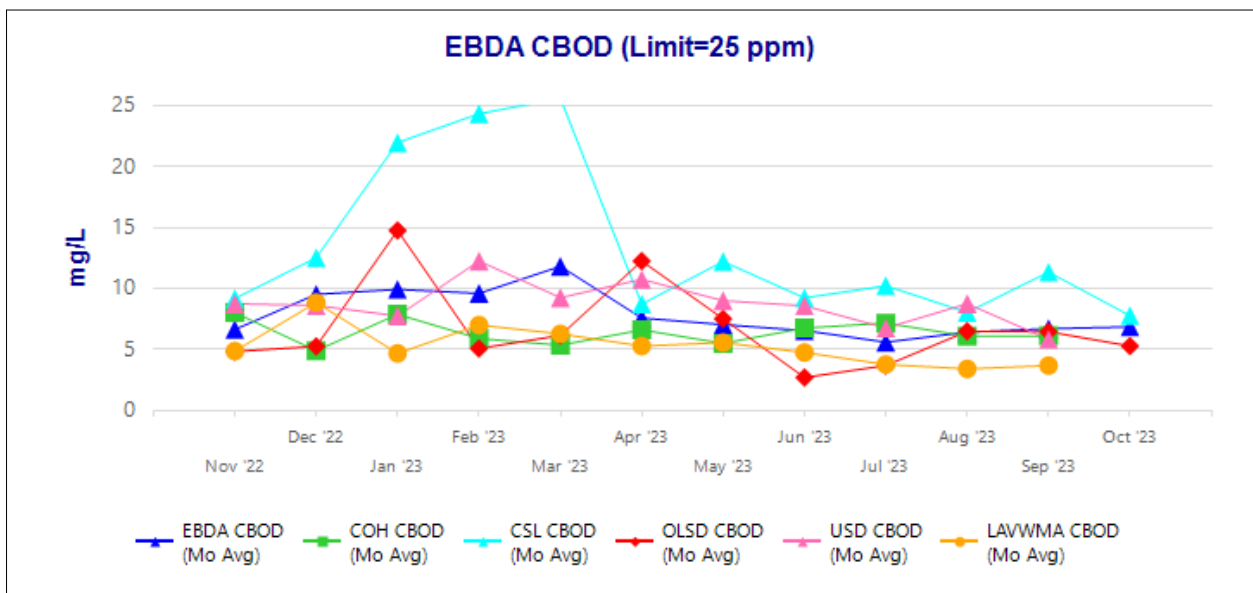
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

There were no NPDES permit violations in September, and preliminary data from October are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included. Staff notes that the spike observed in CBOD at San Leandro in the Spring of 2023 was primarily the result of repeated non-compliant discharges to the plant by an industrial discharger.



EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	1100
Limit (Geomean)	500	280
November 2022 Geomean	6	6
December 2022 Geomean	21	9
January 2023 Geomean	12	14
February 2023 Geomean	4	2
March 2023 Geomean	3	2
April 2023 Geomean	10	7
May 2023 Geomean	15	122
June 2023 Geomean	8	83
July 2023 Geomean	7	18
August 2023 Geomean	17	5
9/4/2023	540	6
9/5/2023	17	< 2
9/6/2023	NA	< 2
9/11/2023	33	6
9/12/2023	17	6
9/18/2023	79	2
9/19/2023	33	6
9/20/2023	NA	4
9/25/2023	13	6
9/26/2023	140	6
September 2023 Geomean	47	4
10/2/2023	23	6
10/3/2023	79	2
10/9/2023	110	2
10/10/2023	2	< 2
10/16/2023	4	2
10/17/2023	4	< 2
10/23/2023	4	< 2
10/24/2023	540	6
10/30/2023	13	4
10/31/2023	23	6
October 2023 Geomean	18	3

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

On November 3, EBDA received the factory performance testing results for the new HEPS pumps. The results are currently under review, and the manufacturer is planning to ship the pumps in December. EBDA will install the pumps in phases, beginning when they arrive.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Preventative Maintenance Activities

During the weeks of October 23 and October 30, 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.

Emergency Outfall Upgrade

This project will remove the existing lumber weir and replace it with a new permanent weir at an increased height, increasing system detention time and delaying or preventing an unanticipated bypass in the event of a catastrophic failure at OLEPS. The new stainless steel weir is currently being fabricated. Once the weir is fabricated, it will be installed, weather permitting.

Wet Well Sluice Gate Repairs and Preventative Maintenance

During the week of August 28, the OLEPS North Wet Well was isolated and pumped down. On August 31, GSE Construction Co., Inc. (GSE) entered the North Wet Well and removed the broken guide-bearing and the bent shaft on the North Wet Well Influent Gate. EBDA had a new guide-bearing and shaft fabricated, and GSE installed the new parts on October 25. OLSD Maintenance Staff also replaced the bearings and refurbished the North Wet Well Influent Gate actuator. On November 27, a crane is scheduled to assist in an inspection of the newly installed guide-bearing. This inspection will ensure that the guide-bearing is operating properly. While the initial intent had been to clean the remaining OLEPS Sluice Gates this Fall, because it took so long to fabricate the new shaft, that cleaning has been postponed until after the wet weather.

Skywest Pump Station

Recycled Water Production

During the month of October 2023, the Skywest Recycled Water System operated for two days and produced 1.1 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

External Painting & Rust Repair

On October 16, exterior painting started at MDF. This project includes external painting of the trim, doors, and other metal surfaces on the exterior of the MDF buildings, as well as the stucco. The brick walls, including the whale mural, will not be painted, and internal painting of the SBS Building will be completed next fiscal year.



MDF New Exterior Paint



MDF New Exterior Paint

Force Main

No change; all equipment is operational.

Operations Center

EBDA Administration Building Improvements

The interior painting and flooring at EBDA's Administration Building was completed on October 24. As shown in the photo below, the new flooring and paint have greatly improved the look of the EBDA office. As described last month, during the floor replacement, dry rot was found in one area and mold was found in another area. The dry rot was repaired and the mold was removed. The evidence of mold prompted staff to engage contractors to evaluate air flow in the crawl space under the EBDA office building and to assess the ongoing presence of mold. This work is proceeding under a new project - Office Health & Safety Improvements (see next section).



EBDA Office New Paint & Flooring

Office Health & Safety Improvements

On October 13, B.A. Morrison, EBDA's HVAC contractor, inspected the EBDA office building and recommended the installation of additional vents and a fan that is controlled automatically with a moisture sensor for the crawl space. B.A. Morrison is scheduled to come to the office on November 9 to develop a quote for the recommended work.

In parallel, on the recommendation of Commissioner Lathi, EBDA staff contacted RestCon Environmental (RestCon) to evaluate the EBDA office for mold. RestCon is scheduled to inspect the EBDA office building on November 10.

Miscellaneous Items

Underground Service Alerts

EBDA received fourteen (14) Underground Service Alert (USA) tickets during the month of October 2023. Four required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the four, three required field verification.

Special Projects

Roof Replacement Projects

The Administration Building, the MDF Sodium Bisulfite (SBS) Building, and the OLEPS roofs are all complete. The roofing contractor is currently working on punch list items and a final inspection will be scheduled once the items are completed.

On November 8, an inspection of all three roofs is scheduled. There are at least four outstanding items that the roofing contractor still needs to complete.

Cargill Brine Project

As discussed at previous Commission Meetings, following certification of the Final Environmental Impact Report (EIR) for the proposed project, Cargill informed EBDA staff that they have made the decision to re-evaluate the “Bayside” pipeline route. Cargill is continuing to refine the route and expects it to be very similar to the Bayside alternative outlined in the EIR. Since Cargill is entirely re-engineering the pipeline and route, EBDA staff has requested they take another look at connecting at or after MDF instead of OLEPS, which would alleviate EBDA’s concerns about corrosion. Cargill and their engineering consultants conducted a site visit to MDF with EBDA staff in early August, and they are working on engineering concepts. Cargill expects to make a decision on this extension in Spring 2024.

Cargill’s preliminary schedule shows revised CEQA analysis in 2025, and construction beginning sometime between 2027 and 2029 depending on permitting, with operation commencing between 2031 and 2033. In the interim, staff will continue at a measured pace negotiating the operating agreement between Cargill and EBDA.

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. Following a series of delays, the East Bay radar was installed at Rocky Ridge in December 2022. EBDA members can access regional data through AQPI’s data portal. Program Management of AQPI is shifting from Colorado State University to the Center for Western Weather and Water Extremes (CW3E) at Scripps Institution of Oceanography, UC San Diego. CW3E will be developing an updated website and data management tools, which they expect to make available before the 2024-2025 wet season. Sonoma Water and the AQPI team will also be seeking local funding to install a C-Band radar to complete the regional system. More information on the cost-share proposal will be provided in the coming months.