



EAST BAY DISCHARGERS AUTHORITY
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A Joint Powers Public Agency

ITEM NO. 12

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, December 19, 2023

2:00 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, January 16, 2024, at 2:00 p.m.**

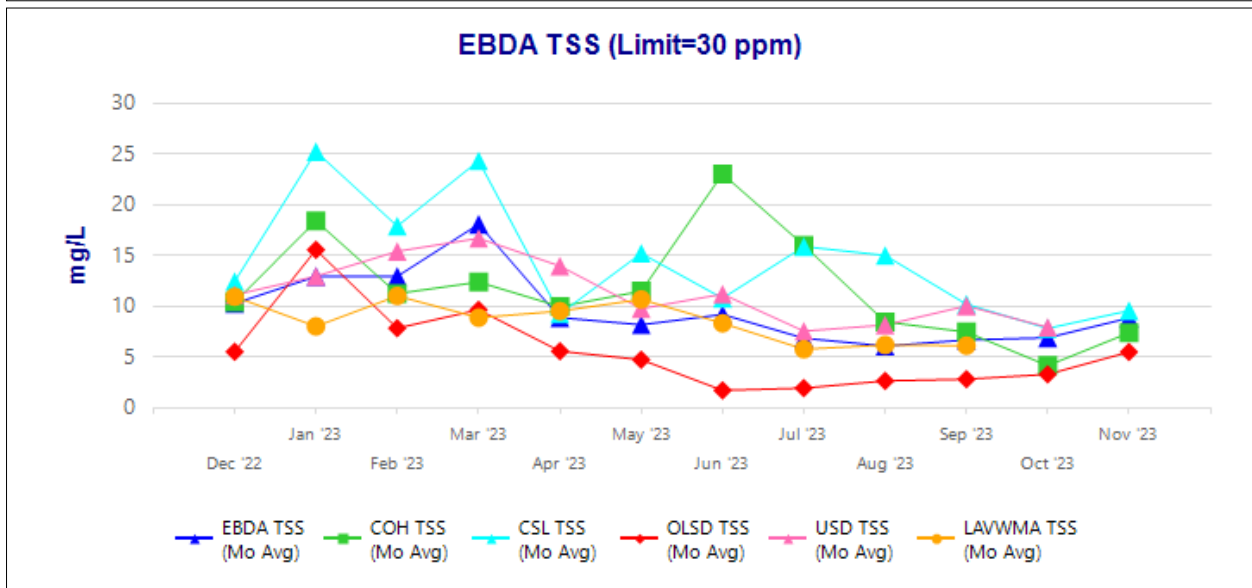
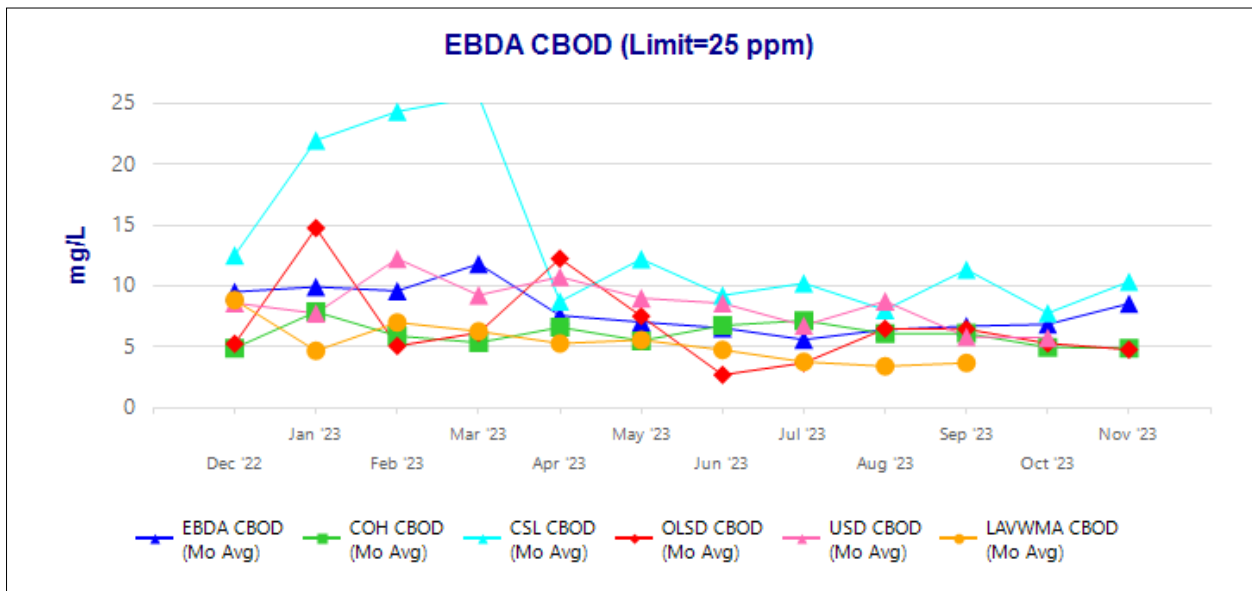
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

There were no NPDES permit violations in 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. 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
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
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
11/1/2023	NA	69
11/6/2023	33	< 2
11/7/2023	2	4
11/8/2023	NA	19
11/13/2023	11	6
11/14/2023	8	10
11/20/2023	2	26
11/21/2023	4	6
11/27/2023	23	8
11/28/2023	11	2
November 2023 Geomean	8	8

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 new HEPS Effluent Pump motors and pumps were delivered on December 1 and December 7, respectively. The new pumps and motors are being stored at the Hayward Water Pollution Control Facility until they are installed. On December 8, a coordination and scheduling meeting was held at HEPS. The concrete subcontractor is planning to start work in mid-January on the new concrete base for Effluent Pump No. 4. Because Effluent Pump No. 4 had previously been removed, starting this work during wet weather will not decrease the current capacity of the pump station. This work will involve demolishing the old concrete pump base, coring holes in the pump station to install new threaded rod pump anchors, installing new rebar, and pouring the new concrete pump base. The work also includes coating of the metal sleeve around the hole in the pump station that the pump sits in. Depending on the condition of the metal sleeve, it may need to be replaced with a new stainless-steel sleeve. Once the new Effluent Pump No. 4 is installed, it will be put in service and tested for several weeks before work is started on the next pump. Below is a photo of the new pumps being delivered.



Oro Loma Effluent Pump Station (OLEPS)

Emergency Outfall Upgrade

On December 8, D.W. Nicholson Corporation (DWN) completed the installation of the new OLEPS Emergency Outfall Weir. This project removed the old lumber weir and replaced it with a new permanent stainless-steel 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. After the old lumber weir was removed, it was found to be rotting on the bottom and inside, confirming the validity of the concern that a piece of the old lumber weir could have broken off and restricted flow to the Emergency Outfall. Along with the weir installation, DWN also repaired the expansion joint between the weir structure and the outfall structure. Below are the before and after photos.



Old Lumber Emergency Outfall Weir



New Stainless-Steel Emergency Outfall Weir



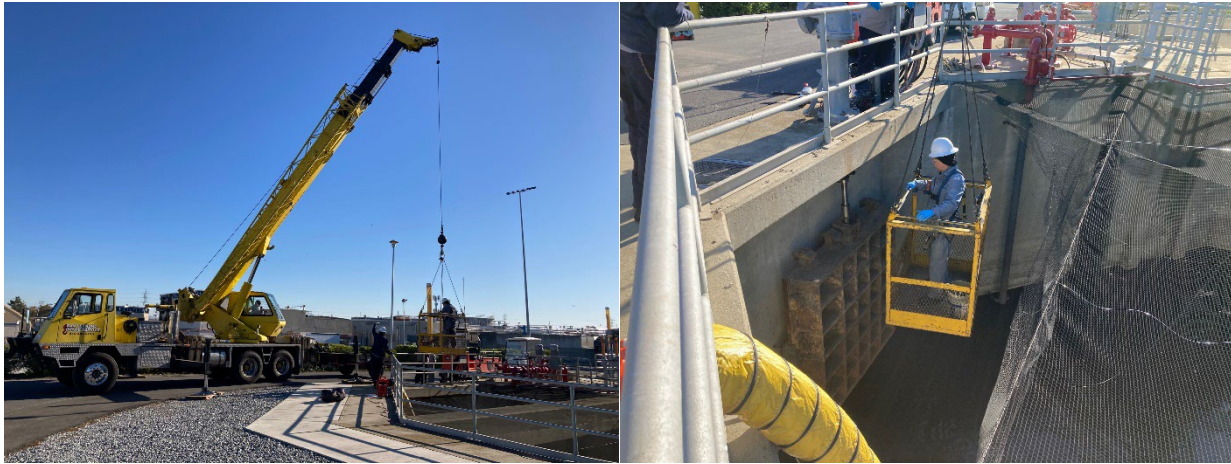
Old Lumber Weir & Expansion Joint



New Stainless-Steel Weir & Expansion Joint

Wet Well Sluice Gate Repairs and Preventative Maintenance

On November 27, a crane was used to assist with the inspection of the OLEPS North Wet Well Influent Gate new shaft and guide-bearing, which were installed in October. This inspection was conducted to ensure that the new shaft and guide-bearing are operating properly.



OLEPS North Wet Well Influent Gate New Shaft & Guide-Bearing Inspection

Skywest Pump Station

Recycled Water Production

During the month of November 2023, the Skywest Recycled Water System did not produce any recycled water.

Marina Dechlorination Facility (MDF)

Total Residual Chlorine (TRC) Effluent Limit Implementation and Automation Upgrades

As discussed previously, on November 8, the Regional Water Quality Control Board adopted a blanket permit amendment revising the TRC effluent limits for all wastewater dischargers to San Francisco Bay. The permit amendment 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. The new limit will take effect on January 1, 2024. On November 28, Calcon restarted work 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

No change; all equipment is operational.

Operations Center

Office Health & Safety Improvements

During the EBDA Administration Building flooring replacement, mold was observed on subfloors in some areas. On the recommendation of Chair Lathi, EBDA staff contacted RestCon Environmental (RestCon) to evaluate the EBDA office for mold. On November 10, RestCon inspected the EBDA office building and collected air samples. RestCon found that mold levels in all air samples were at or below background. The summary of their visual inspection noted that “No elevated moisture was detected in the building materials,” and “Visible moisture was observed in the soil throughout the crawlspace.” RestCon’s overall conclusion was as follows: “Based upon the analytical data and observation accumulated during the inspection, RestCon Environmental recommends: No Mold remediation is recommended at this time.”

In parallel with the RestCon inspection, EBDA staff is procuring quotes for the installation of additional vents and a fan that is controlled automatically with a moisture sensor for the crawl space of the EBDA Administration Building.

Miscellaneous Items

Underground Service Alerts

EBDA received fourteen (14) Underground Service Alert (USA) tickets during the month of November 2023. Two required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the two, one 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, all three roofs were inspected. There are still several outstanding items that the roofing contractor 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. On December 11, 2023, EBDA staff participated in a briefing for regulatory agencies on the revised pipeline route and timeline. The briefing was attended by staff from the Regional Water Quality Control Board, California Department of Fish and Wildlife, U.S. Army Corps of Engineers, and Bay Conservation and Development

Commission. Cargill committed to continuing the dialogue with the agencies as project details are developed.

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. Staff may bring an interim agreement between EBDA and Cargill to the Commission for consideration in 2024, as the parties continue to negotiate the final operating agreement.

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 Las Trampas Regional Wilderness Park in December 2022. Data from the Rocky Ridge site finally became available in early December 2023, and can be viewed and downloaded from the [NOAA](#) or [Colorado State](#) websites. 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.