



ITEM NO. 14

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Monday, January 13, 2025

4:00 PM

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

Committee Members: Young (Chair); Azevedo

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
TBD**

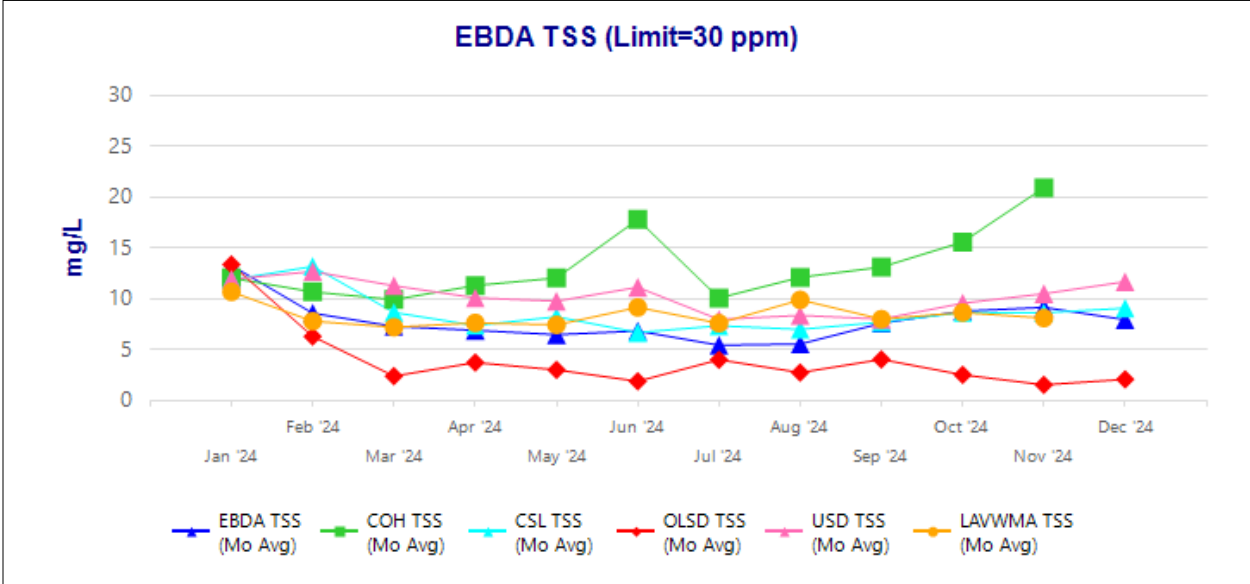
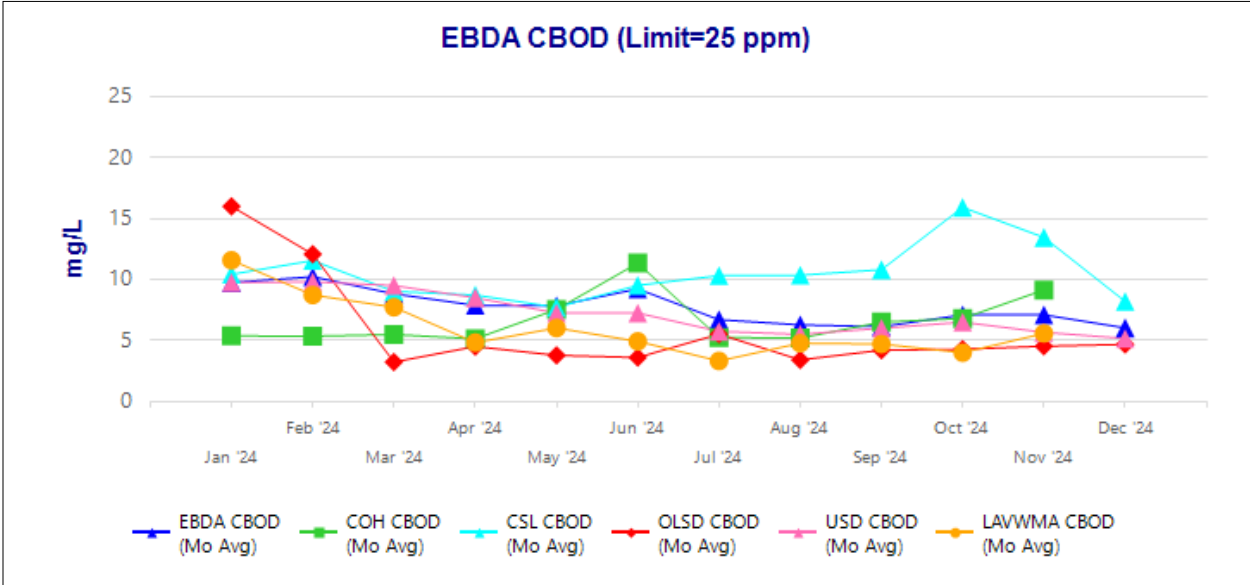
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

EBDA and its members continued our NPDES compliance in November, and preliminary December data indicates compliance as well. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators follows.



EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	1100
Limit (Geomean)	500	280
January 2024 Geomean	12	4
February 2024 Geomean	8	15
March 2024 Geomean	6	7
April 2024 Geomean	9	3
May 2024 Geomean	12	4
June 2024 Geomean	60	9
July 2024 Geomean	59	5
August 2024 Geomean	153	21
September 2024 Geomean	109	13
October 2024 Geomean	33	4
11/4/2024	23	< 2
11/5/2024	11	4
11/6/2024	NA	2
11/11/2024	17	< 2
11/12/2024	13	4
11/13/2024	NA	< 2
11/18/2024	79	4
11/19/2024	350	2
11/25/2024	8	2
11/26/2024	8	2
November 2024 Geomean	24	2
12/2/2024	23	6
12/3/2024	79	< 2
12/9/2024	2	4
12/10/2024	11	< 2
12/16/2024	< 2	10
12/17/2024	4	2
12/23/2024	2	2
12/24/2024	70	8
12/30/2024	3200	97
12/31/2024	220	8
December 2024 Geomean	22	5

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

As discussed last month, during startup testing of the two new HEPS pumps, one of the new pumps was making an unusual intermittent noise and was shut down. Based on testing in early December, the pump manufacturer recommended that EBDA continue to operate the new pump and monitor the noise. EBDA is currently waiting for a response from the pump manufacturer to recent communication that the noise is still occurring. Installation of the third new pump will be delayed until this issue is resolved.

Oro Loma Effluent Pump Station (OLEPS)

Station Control Upgrade

Recently, Calcon, EBDA's electrical and instrumentation contractor, resumed work on the OLEPS Pump Station Control Upgrade project. This phase of the project involves running signal wires to the two Electric Pump Variable Frequency Drive (VFD) cabinets and the force main vaults near OLEPS. These signal wires will be connected to the Programmable Logic Controllers (PLCs) in the pump station, and the information will be displayed on the SCADA system.

Skywest Pump Station

Recycled Water Production

During the month of December 2024, the Skywest Recycled Water System did not produce any recycled water. The total recycled water produced during 2024 was 9.21 MG. The peak day of recycled water production in 2024 was 570,100 gallons. A summary of the monthly recycled water produced for the last nine years is shown below:

Skywest Total Recycled Water									
	2024 Total Flow MG	2023 Total Flow MG	2022 Total Flow MG	2021 Total Flow MG	2020 Total Flow MG	2019 Total Flow MG	2018 Total Flow MG	2017 Total Flow MG	2016 Total Flow MG
January	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00
February	0.00	0.00	1.08	0.00	1.65	0.00	2.37	0.00	0.41
March	0.00	0.00	0.00	0.00	0.53	0.00	0.73	0.25	0.00
April	0.57	0.00	1.10	1.06	2.64	3.91	1.86	1.80	6.51
May	1.12	1.67	1.00	1.12	2.53	5.77	9.38	12.00	12.71
June	1.60	1.66	1.12	2.64	2.00	9.57	12.50	10.97	16.73
July	1.70	1.10	1.10	2.10	1.10	11.40	12.12	11.98	16.42
August	1.00	1.08	1.52	2.16	1.09	10.34	10.59	10.41	13.81
September	1.08	1.12	1.00	1.60	1.37	8.30	7.45	8.12	11.29
October	1.64	1.12	1.03	0.49	1.10	6.22	6.14	5.58	3.60
November	0.50	0.00	1.01	0.00	1.43	1.64	2.24	0.00	2.02
December	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00
Total	9.21	8.75	9.96	12.06	15.44	57.15	65.38	62.35	83.50

Communication Issues

For the last several months, the EBDA equipment at the Skywest property has experienced intermittent communication loss. On December 16, Calcon replaced the EBDA radio at the Skywest property, and the communication issue was resolved.

Marina Dechlorination Facility (MDF)

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

As discussed previously, EBDA’s new NPDES permit effluent limit for TRC, which took effect on January 1, 2024, is a one-hour average of 0.98 mg/L. On January 2, 2024, EBDA turned off its continuous feed of sodium bisulfite (SBS). The SBS savings at MDF have already been substantial.

The following table shows SBS usage before and after the new TRC effluent limit implementation:

Year	SBS Gallons Used	SBS Expenditure
2023	163,208	\$293,988
2024	12,230	\$22,793

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received fifteen (15) Underground Service Alert (USA) tickets during the month of December 2024. Eight required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the eight, two required field verification.

Wet Weather

During the month of December 2024, there were no significant rain events that required the operation of an OLEPS diesel pump, and there were no capacity exceedance events.

Total rainfall for the month of December 2024 (in inches) was as follows:

Oakland	Hayward	Livermore
3.11	4.88	2.98

Significant daily rainfall for the month of December 2024 (in inches) was as follows:

Date	Oakland	Hayward	Livermore
12/12/2024	0.62	0.96	0.40
12/14/2024	0.85	1.15	1.17
12/16/2024	0.37	0.47	0.00
12/24/2024	0.35	0.63	0.67
12/27/2024	0.32	0.61	0.16

Special Projects

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. Cargill is continuing to meet with landowners along the new proposed route. Cargill is also investigating an alternative that would upgrade and repurpose a former Shell pipeline.

Cargill’s preliminary schedule shows revised CEQA analysis in 2025, and construction beginning sometime between 2027 and 2030 depending on permitting, with operation commencing between 2031 and 2033. Cargill has requested that EBDA consider an interim Project Approval Agreement between the parties that would allow Cargill to begin construction on elements of the project that do not directly affect EBDA, such as reconfiguration of intakes and pond structures at Cargill’s Newark salt facility. Staff is currently working with Cargill to negotiate this agreement and expects to bring it to the Commission for consideration in the coming months. Once negotiated, the Project Approval Agreement would be superseded by the final Operating Agreement.

Advanced Quantitative Precipitation Information (AQPI) Project

The regional AQPI project continues to move forward with the goal of improving the 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, and data from the site became available in December 2023. The AQPI Program Management team developed an updated website and data management tools for the 2024-2025 wet season.