



EAST BAY DISCHARGERS AUTHORITY
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A Joint Powers Public Agency

ITEM NO. 15

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Monday, September 16, 2024

4:00 PM

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

**This meeting will be teleconferenced from the following location:
Hyatt Hotel Lobby, 1 Market Place, San Diego, CA**

**Teleconference link: <https://us02web.zoom.us/j/85748282191>
Call-in: 1(669) 900-6833 and enter Webinar ID number: 857 4828 2191**

Committee Members: Simon (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.

Agenda Explanation
East Bay Dischargers Authority
O&M Agenda
September 16, 2024

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
Monday, October 14, 2024, at 4:00 pm**

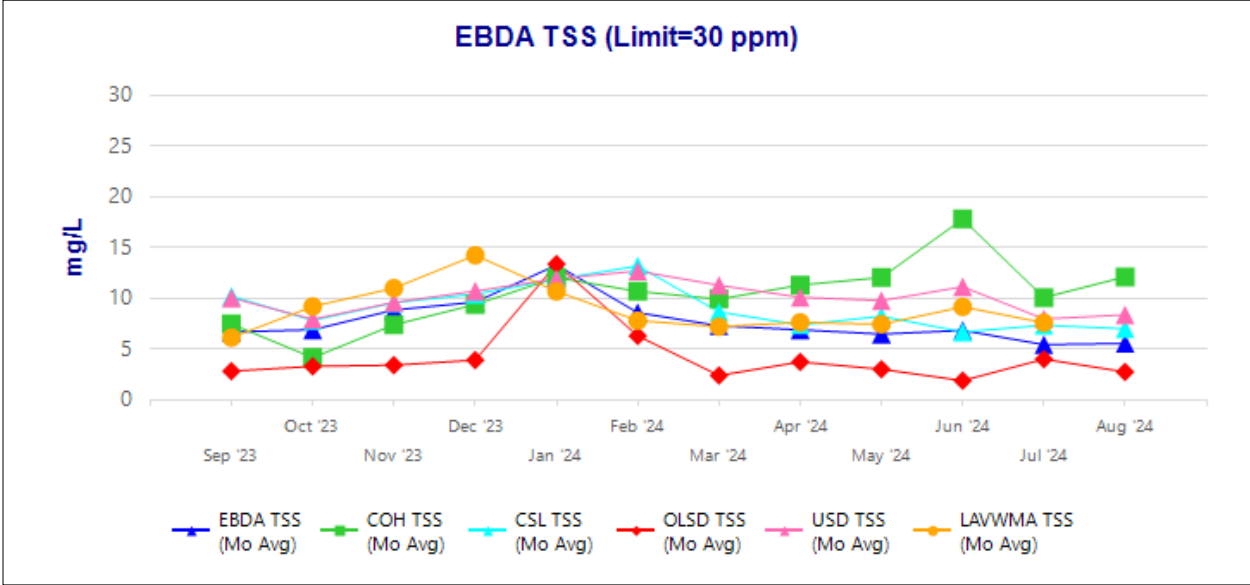
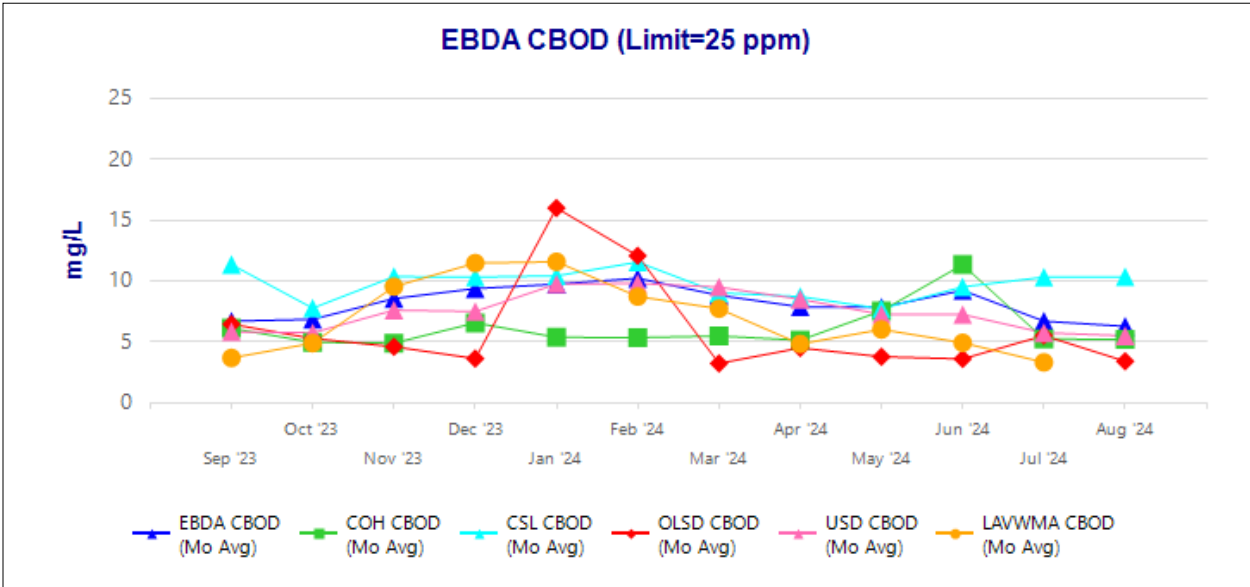
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

EBDA and its members continued our NPDES compliance in July, and preliminary August data indicates compliance as well. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators follows. Nitrogen data requested by the Commission will be provided with next month’s Regulatory Affairs Committee agenda.



EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	1100
Limit (Geomean)	500	280
September 2023 Geomean	47	4
October 2023 Geomean	18	3
November 2023 Geomean	8	8
December 2023 Geomean	7	5
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
7/1/2024	17	2
7/2/2024	170	6
7/8/2024	220	4
7/9/2024	32	15
7/15/2024	11	6
7/16/2024	17	10
7/22/2024	23	6
7/23/2024	240	4
7/29/2024	27	4
7/30/2024	920	6
July 2024 Geomean	59	5
8/5/2024	70	10
8/6/2024	13	17
8/7/2024	NA	20
8/12/2024	350	10
8/13/2024	130	20
8/14/2024	NA	86
8/19/2024	350	24
8/20/2024	920	24
8/26/2024	49	17
8/27/2024	460	24
August 2024 Geomean	153	21

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 July 23 & 24, the first new effluent pump discharge coupling and motor were installed, and the second old effluent pump was removed. The new pump was tested for several days and was experiencing a slight vibration. The pump was turned off, and vibration testing will be scheduled after the second new pump is installed. On July 31, a new concrete pump base was installed for the second new pump. The second new pump will be installed in the next several weeks.

Pond 3 Valve Actuator Replacement

As part of the FY 2022/2023 RRF project list, EBDA agreed to split the cost of a new Pond 3 valve actuator with the City of Hayward (City). The actuator is the property of the City, but replacing it will benefit both the City and EBDA. The current actuator does not have a feedback loop, so the information displayed on SCADA is limited. During wet weather storm events, having better information on SCADA will greatly improve EBDA operations. The ability to automatically divert flow to Pond 3 will save EBDA the cost of pumping the flow to Pond 7, which requires using the HEPS pumps. The ability to automatically divert flow to Pond 3 will also save the City the cost of adding sodium hypochlorite to the diverted flow. This project also includes the programming necessary to add the valve operations to SCADA.

In June, the City's maintenance staff mounted the new actuator on the Pond 3 valve. On July 18, Calcon, EBDA's electrical and instrumentation contractor, completed the installation of the new radios and a new Programmable Logic Controller (PLC) that communicates with and controls the new valve actuator. On August 15, Frank Olsen Company, the new actuator's supplier, completed commissioning of the new actuator, and Calcon completed the associated SCADA programming. The new Pond 3 valve actuator is now fully operational, allowing the diversion of flow automatically to Pond 3.

Oro Loma Effluent Pump Station (OLEPS)

Water System Upgrade

As part of a past project, EBDA connected a #4 water line from OLSD to OLEPS. This line brought water to the station, but it had to be manually connected by operations for use. In August, Calcon completed the second phase of the project by installing a new line that runs along the East side of building. With this new extension and additional fittings, the #4 water from OLSD is connected to the OLEPS water system and available to automatically supplement the pump gear drives' cooling water. This new #4 line will also

be used to hose the OLEPS wet wells when they are taken down for preventive maintenance activities.

Diesel Engine #1 (Pump #2) Major Service

On August 13, 2024, Peterson Caterpillar completed a major service on OLEPS Diesel Engine #1 (Pump #2). The major service included replacing all filters, fluids, thermostats and hoses, replacing the oil cooler, performing valve adjustments, and checking injector timing. Peterson Caterpillar completed this same major service on OLEPS Diesel Engine #2 (Pump #3) on October 11, 2023. In preparation for wet weather, Peterson Caterpillar also serviced all of EBDA's diesel generators at OLEPS, HEPS, and MDF.

Effluent Pump #4 Motor

During the course of performing normal preventative maintenance activities, an issue was discovered with the Effluent Pump #4 Motor. OLSD maintenance staff removed the motor, and it was sent to Vincent Electric for refurbishment. The motor was returned, and OLSD maintenance staff reinstalled the motor on July 18.



OLEPS Effluent Pump #4 Motor & Right Angle Gear Drive

Skywest Pump Station

Recycled Water Production

During the month of July 2024, the Skywest Recycled Water System operated for three days and produced 1.7 million gallons of recycled water.

In August 2024, the Skywest Recycled Water System operated for two days and produced 1.0 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

No change; all equipment is operational.

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received sixteen (16) Underground Service Alert (USA) tickets during the month of July 2024. Eleven required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the eleven, seven required field verification.

EBDA received eight (8) Underground Service Alert (USA) tickets during the month of August 2024. Four required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the four, one required field verification.

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. The Project Approval Agreement would be superseded by the final Operating Agreement, once negotiated.

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 AQPI [website](#). Commissioners and staff attended a site visit at Rocky Ridge on the afternoon of June 28, 2024 and were able to see the radar close up.

Program Management of AQPI has shifted from Colorado State University to the Center for Western Weather and Water Extremes (CW3E) at Scripps Institution of Oceanography, UC San Diego. CW3E is developing an updated website and data management tools, which they expect to make available before the 2024-2025 wet season. A user feedback meeting to inform development of the website and tools was held at Zone 7 Water Agency on August 27, 2024 and was attended by EBDA staff and several Member Agency Managers, as well as staff from Contra Costa Flood Control, East Bay Municipal Utility District, and Alameda County Water District.