



ITEM NO. 16

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Monday, July 15, 2024

4:00 PM

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

**This meeting will be teleconferenced from the following location:
Library Entry Patio, 5630 N Lincoln Avenue, Chicago, IL**

**Teleconference link: <https://us02web.zoom.us/j/81674664794>
Call-in: 1(669) 900-6833 and enter Webinar ID number: 816 7466 4794**

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
July 15, 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, September 16, 2024, at 4:00 pm**

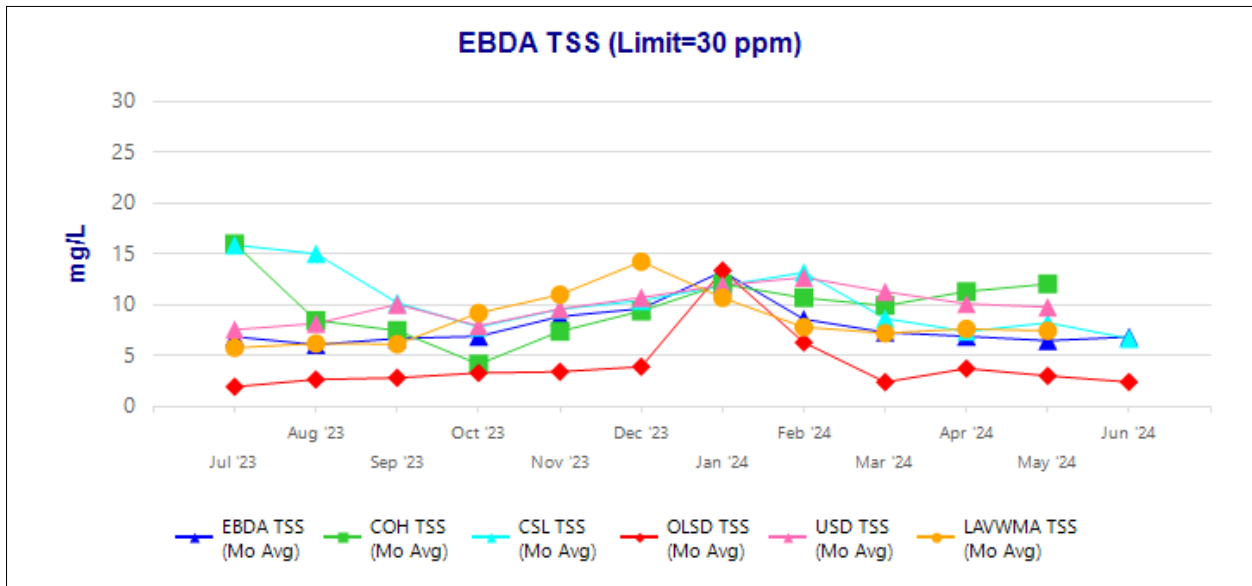
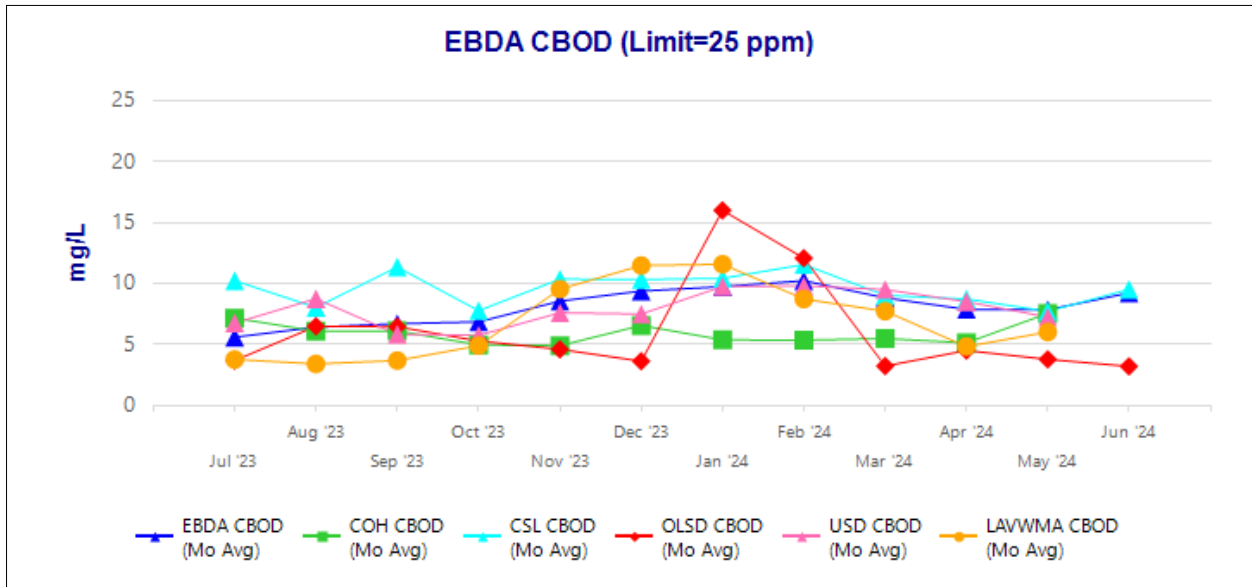
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

EBDA and its members continued our NPDES compliance in May, and preliminary June 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
June 2023 Geomean	8	83
July 2023 Geomean	7	18
August 2023 Geomean	17	5
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
5/1/2024	NA	8
5/6/2024	< 2	6
5/7/2024	13	2
5/8/2024	NA	4
5/13/2024	4	< 2
5/14/2024	70	6
5/20/2024	33	< 2
5/21/2024	13	6
5/27/2024	13	4
5/28/2024	11	8
May 2024 Geomean	12	4
6/3/2024	49	6
6/4/2024	40	15
6/5/2024	NA	13
6/10/2024	1600	< 2
6/11/2024	4	15
6/12/2024	NA	6
6/17/2024	130	4
6/18/2024	920	91
6/24/2024	8	6
6/25/2024	14	6
June 2024 Geomean	60	9

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 May 10, the new Effluent Pump No. 4 was placed on the new concrete pump pad. Unfortunately, the pump contractor ordered the wrong length discharge couplings, so the pump could not be permanently installed. The correct length discharge couplings were ordered and recently arrived. EBDA staff is waiting for an installation date from the contractor. Once the couplings are installed, the new pump will be electrically connected, and then the new pump will be put in service and tested for several weeks. Because wet weather has ended, work to install the second new pump will begin as soon as the first new pump is operational.

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 began installation of the new Pond 3 valve actuator. Calcon, EBDA's contract electrical and instrumentation contractor, is scheduled to complete the installation on July 17 & 18. Calcon's work includes installing new radios and a new Programmable Logic Controller (PLC) that will communicate with and control the new valve actuator, as well as associated SCADA programming.

Oro Loma Effluent Pump Station (OLEPS)

Automatic Transfer Switch Upgrade

Todd Beecher, EBDA's contract electrical engineer, has commenced the design of two new automatic transfer switches (ATs) at OLEPS. The two new ATs will improve reliability of the pump station in the event of a power outage. If PG&E power fails, the OLEPS emergency generator is the primary source of backup power. Currently, if the emergency generator fails to start, operators can manually switch to the secondary source of backup power from OLSD. The installation of two new ATs will allow the switch

from primary to secondary backup to occur automatically. This ATS work is being completed as part of Phase 2 of the OLEPS Electrical Upgrades. Replacement of the breakers and refurbishment of the Main Switchboard was completed in Phase 1 of the OLEPS Electrical Upgrades last year.

Skywest Pump Station

Recycled Water Production

During the month of June 2024, the Skywest Recycled Water System operated for three days and produced 1.6 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

Main Breaker Replacement

On June 28, 2024, a PG&E power shutdown was scheduled at MDF to replace the facility's main breaker. The shutdown was scheduled for 4 hours, but the breaker was replaced without any issues, and the PG&E power was restored within 1 hour and 45 minutes. This was the first phase of the MDF Electrical Upgrade Project. The next phase includes replacement of the Automatic Transfer Switch (ATS) electronic controls.

Force Main

No change; all equipment is operational.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received eight (8) Underground Service Alert (USA) tickets during the month of June 2024. Two required an Electronic Positive Response (EPR), calls/emails to the excavators, and 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 Meyers Nave to review and revise a draft 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 (see photo below) 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 will be 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 is planned for August 27, 2024.