



EAST BAY DISCHARGERS AUTHORITY
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A Joint Powers Public Agency

ITEM NO. 17

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, September 19, 2023

2:00 P.M.

**East Bay Dischargers Authority
2651 Grant Avenue, San Lorenzo, CA 94580**

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, October 17, 2023, at 2:00 p.m.**

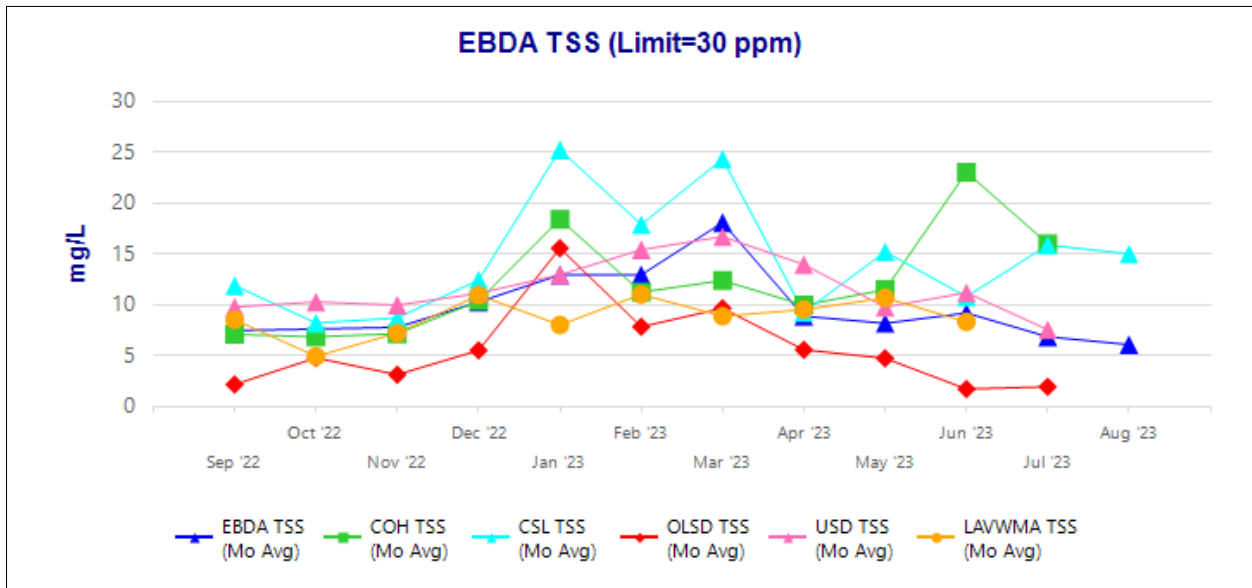
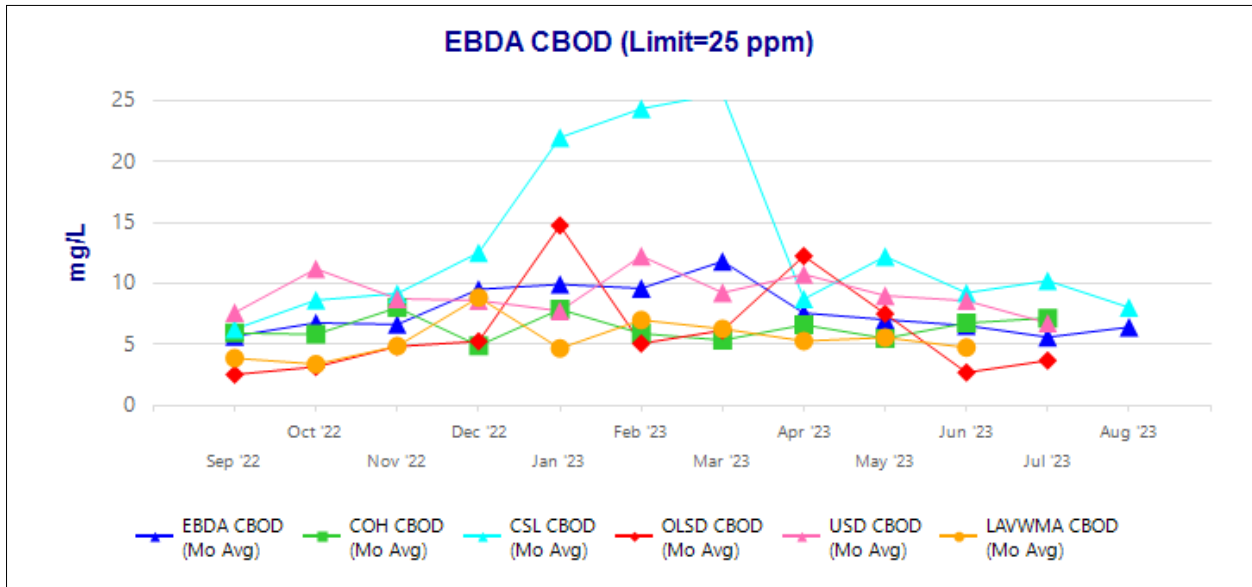
ITEM NO. OM4 EBDA PERMIT COMPLIANCE

Recommendation

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

Discussion

There were no NPDES permit violations in June or July, and preliminary data from August are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included.



EBDA Bacterial Indicators

| Date | FECAL | ENTERO |
|-------------------------------|------------|------------|
| | MPN/ 100mL | MPN/ 100mL |
| Limit (90th Percentile) | 1100 | 1100 |
| Limit (Geomean) | 500 | 280 |
| September 2022 Geomean | 43 | 28 |
| October 2022 Geomean | 12 | 4 |
| 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 |
| 7/3/2023 | 2 | 113 |
| 7/4/2023 | < 2 | 124 |
| 7/5/2023 | NA | 15 |
| 7/10/2023 | 8 | 8 |
| 7/11/2023 | 17 | 6 |
| 7/17/2023 | 4 | 15 |
| 7/18/2023 | 33 | 27 |
| 7/24/2023 | 4 | 17 |
| 7/25/2023 | 7 | 8 |
| 7/31/2023 | 23 | 6 |
| July 2023 Geomean | 7 | 18 |
| 8/1/2023 | 1600 | < 2 |
| 8/2/2023 | NA | 17 |
| 8/7/2023 | 33 | 17 |
| 8/8/2023 | 7 | 8 |
| 8/14/2023 | 8 | 2 |
| 8/15/2023 | 8 | 2 |
| 8/21/2023 | 8 | 4 |
| 8/22/2023 | 23 | 4 |
| 8/28/2023 | 9 | 2 |
| 8/29/2023 | 4 | 10 |
| August 2023 Geomean | 17 | 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

The new Effluent Pumps are currently on order with the lead time quoted as 28 weeks, which would have the pumps arriving in late December 2023 or January 2024, assuming no further supply chain delays. EBDA would most likely postpone the installation of the new pumps until the end of the wet season in April or May of 2024.

Oro Loma Effluent Pump Station (OLEPS)

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 contractor, D.W. Nicholson Corporation (DWN), provided EBDA with shop drawings for the new stainless steel weir. EBDA sent the shop drawings to Carollo Engineers, Inc. (Carollo), EBDA's engineers on this project. Carollo provided comments back to EBDA/DWN and DWN is in the process of incorporating the comments in the shop drawings. Once Carollo approves the final shop drawings, the new stainless steel weir will be fabricated and installed.

Wet Well Sluice Gate Repairs and Preventative Maintenance

For a number of years, the OLEPS North Wet Well Influent Gate has had a broken guide-bearing and a bent shaft. Because it was still operational, staff elected to defer repair until a larger related need arose. Last Fall, in the process of completing preventative maintenance activities at OLEPS, the Effluent Pump No. 2 Inlet Gate got stuck in the closed position when the actuator drive threads failed. Newly fabricated actuator drive threads were installed, and the Effluent Pump No. 2 Inlet Gate was fully operational. Following that failure, staff added a project to the FY 2023/2024 Renewal and Replacement Fund List to repair the North Wet Well Influent Gate and perform inspections and preventative maintenance on all seven OLEPS Wet Well Sluice Gates.

During the week of August 28th, the OLEPS North Wet Well was isolated and pumped down. On August 31st, GSE Construction Co., Inc. (GSE) entered the North Wet Well and removed the broken guide-bearing and the bent shaft and inspected and cleaned two additional North Wet Well Sluice Gates. EBDA is in the process of having a new guide-bearing and shaft fabricated. Once the new parts are fabricated, they will be installed.

Skywest Pump Station

Recycled Water Production

During the month of July 2023, the Skywest Recycled Water System operated for two days and produced 1.10 million gallons of recycled water.

In August 2023, the Skywest Recycled Water System also operated for two days and produced 1.08 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 seventeen (17) Underground Service Alert (USA) tickets during the month of July 2023. Eleven required an Electronic Positive Response (EPR) and calls/emails to the excavators, and of the eleven, six required field verification.

EBDA received seven (11) Underground Service Alert (USA) tickets during the month of August 2023. Two required an Electronic Positive Response (EPR), calls/emails to the excavators, and field verification.

EBDA Vehicle

On September 16, 2022, a Purchase Order was submitted to National Auto Fleet Group for EBDA's new F-150 truck. In September 2022, staff also traded in EBDA's 2008 Ford Ranger for \$9,100. Due to the high trade-in value, it was necessary to trade-in the truck as soon as possible before the trade-in value was reduced. As discussed at the July Commission meeting, after ten months of waiting without a vehicle, Ford informed EBDA that the standard engine and the running boards that we ordered were not available. Ford proposed to change the order to include a smaller engine, remove the running boards, and increase the cost of the new truck by \$1,080.

Hearing of EBDA's plight, USD offered to sell EBDA a 2020 F-150 that no longer fit their business needs. The USD truck is a Super Crew Cab that has four full-size doors and can seat six very comfortably. This is an upgrade from the Super Cab that EBDA had

ordered. EBDA was able to cancel the order with Ford for the new pickup truck and receive the \$9,100 trade-in value as cash to offset the cost of the USD truck. EBDA purchased the truck from USD for \$34,812. Overall, EBDA received a superior truck and saved approximately \$10,000. Staff wishes to thank USD for their out-of-the-box thinking and working collaboratively with EBDA on this. Photos of EBDA's new truck and the old truck that was traded in are below.



EBDA's New 2020 Ford F-150

EBDA's Old 2008 Ford Ranger

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.

Cargill Brine Project

As discussed at the July Commission Meeting, 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. There was some operational delay due to data communications issues, but those issues have now been resolved. The team is also installing a new buried power line to provide electricity to the radar. 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. 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 shared in the coming months.