



EAST BAY DISCHARGERS AUTHORITY
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A Joint Powers Public Agency

Pursuant to the Governor's Executive Order N-25-20 the Operations & Maintenance Meeting scheduled for September 15th at 9:00 a.m. will be telephonic. The dial-in number for the meeting is +1 669 900 6833 with meeting I.D. #858 3905 8196. Members of the public are encouraged to dial in to the meeting using the same number. <https://us02web.zoom.us/j/85839058196>

ITEM NO. 14

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, September 15, 2020

9:00 A.M.

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

Committee Members: Cutter (Chair); Johnson

OM1. Call to Order

OM2. Roll Call

OM3. Public Forum

OM4. EBDA Performance

(The Committee will be updated on EBDA's NPDES report.)

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, please contact the Administrative Assistant at the EBDA office at (510) 278-5910 or juanita@ebda.org. 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>.)

**The next O&M Committee meeting will be held
Tuesday, October 13, 2020, at 9:00 a.m.**

ITEM NO. OM4 EBDA PERFORMANCE

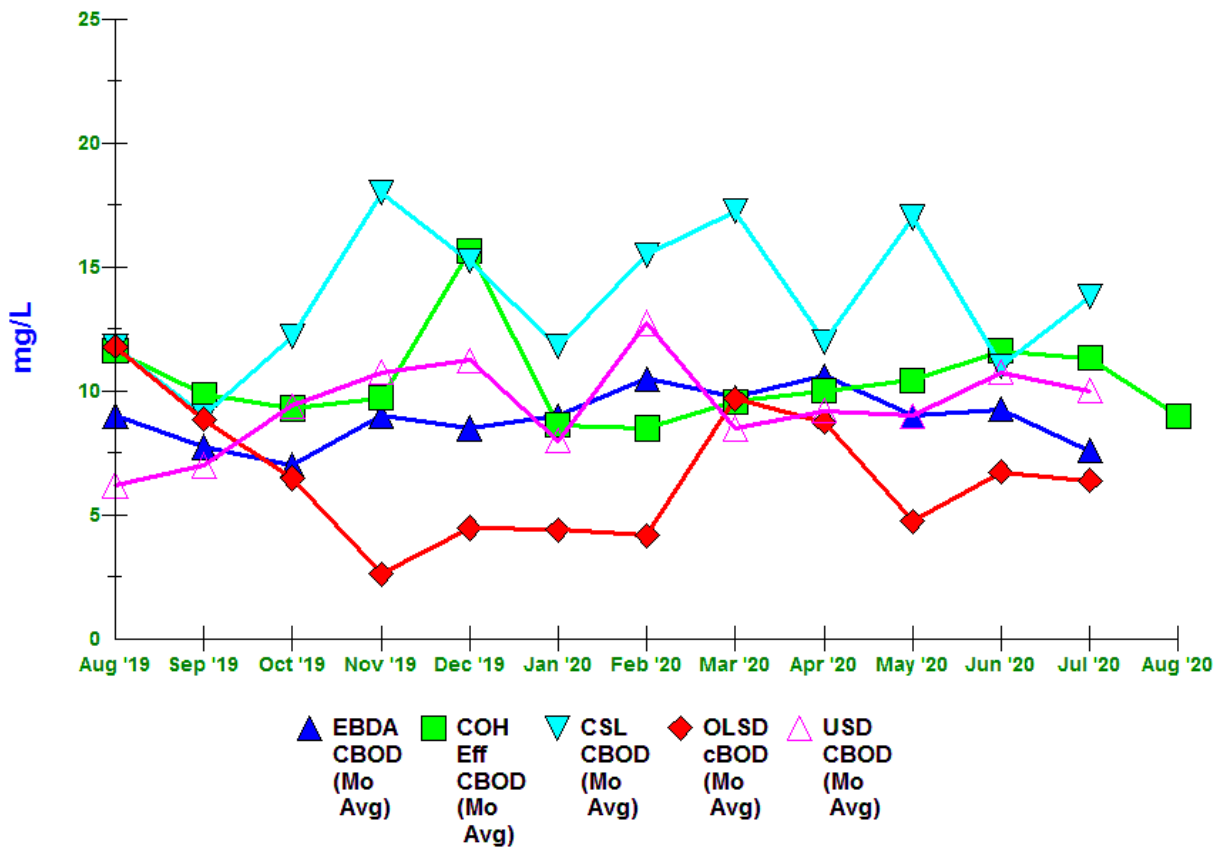
Recommendation

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

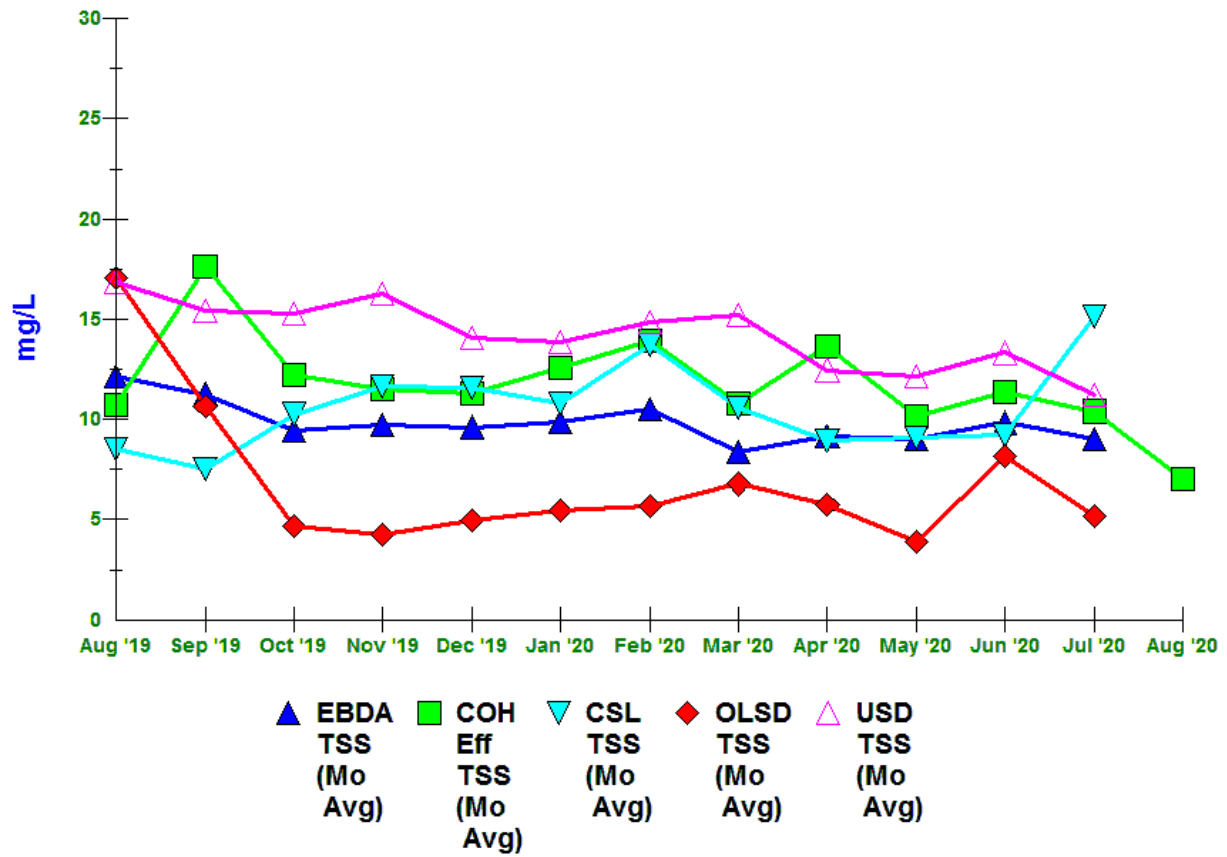
Permit Compliance Issues

There were no NPDES permit violations in August and preliminary data from September are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included. Sodium hypochlorite dosing has been increased as the temperatures have risen to prevent bacterial outbreaks during the summer months. As shown in the table, a high fecal coliform value was detected at the end of July, however, because the limit is based on the 90th percentile and geomean, compliance was not in jeopardy.

EBDA CBOD (Limit=25 ppm)



EBDA TSS (Limit 30 ppm)



EBDA EFF TSS

EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
September 2019 Geomean	12	3
October 2019 Geomean	35	2
November 2019 Geomean	32	2
December 2019 Geomean	18	< 2
January 2020 Geomean	6	< 2
February 2020 Geomean	5	< 3
March 2020 Geomean	8	< 2
April 2020 Geomean	4	2
May 2020 Geomean	40	2
June 2020 Geomean	28	3
7/6/2020	10	< 2
7/7/2020	70	< 2
7/8/2020	79	< 2
7/13/2020	12	< 2
7/14/2020	22	2
7/15/2020	13	2
7/20/2020	15	17
7/21/2020	5	< 2
7/22/2020	13	8
7/27/2020	20	< 2
7/28/2020	1600	2
July 2020 Geomean	27	3
8/3/2020	8	< 2
8/4/2020	41	< 2
8/5/2020	22	2
8/10/2020	7	2
8/11/2020	11	9
8/12/2020	27	6
8/17/2020	89	2
8/18/2020	130	37
8/24/2020	14	< 2
8/25/2020	23	4
8/31/2020	14	< 2
Aug 2020 Geomean	23	3

ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS – Formerly AEPS)

Effluent Pump No. 2 Variable Frequency Drive (VFD)

On September 24, 2020, Rockwell Automation Field Service is scheduled to install the new VFD transformer for Effluent Pump No. 2 with assistance from USD Maintenance Staff.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project

This project is substantially complete, and staff and the contractor are currently processing the paperwork to finalize the project. A ribbon-cutting ceremony will be held when it is safe to hold in-person events.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Hypochlorite (Hypo) System

This project will allow for automatic control of hypo to the OLEPS wet well, reducing the cost of hypo, sodium bisulfite (SBS), and staff time. On July 30, 2020, a project kick-off meeting and site visit for the project was held and attended by EBDA, OLSD, and Calcon Systems, Inc. (Calcon). Calcon is in the process of procuring product information for the equipment that will be installed. Prior to purchase, OLSD staff will have an opportunity to review and comment on the selected equipment.

Main Electrical Switchboard Upgrade

As part of the Renewal and Replacement Fund (RRF) project list for FY 2020/2021, the Commission approved \$260,000 for the replacement of the breakers and refurbishment of the main switchboard, and installation of two new automatic transfer switches (ATS's). Replacement of the 75 kW generator is also included and will be evaluated further as the project proceeds. These upgrades will improve the electrical reliability of the station, particularly in the event of a power outage.

Beecher Engineering, Inc., EBDA's contract electrical engineering firm, produced single-line drawings and a draft scope of work for the OLEPS main electrical switchboard upgrade project. EBDA staff received two quotes for the switchboard upgrade and will be discussing the project at this month's MAC meeting. A motion will be presented to the Commission pending the outcome of the MAC meeting discussion.

Paving Repair/Upgrade

OLSD is starting their Pavement Reconstruction and Rehabilitation Project. As part of that project, the asphalt behind OLEPS next to the 8,000 gallon above-ground diesel storage tank will be replaced. In the interest of matching the rest of the plant, EBDA has requested a quote for additional paving around OLEPS, specifically to the east and west of the pump station.

San Leandro Effluent Pump Station (SLEPS)

No change; all equipment is operational.

Skywest Pump Station

Recycled Water Production

During the month of August 2020, the Skywest Recycled Water System only operated two days and produced 1.09 million gallons of recycled water.

Recycled Water Pipeline Leak

An insurance claim was filed for reimbursement of the costs associated with the Skywest recycled water pipeline leak and the embankment repair. On August 7, 2020, a meeting/site visit was conducted with EBDA, OLSD, and the Claims Examiner. The Claims Examiner noted that the claim documentation was complete and that he would request authority from the CSRMA Executive Board to approve the claim. The next CSRMA Executive Board meeting at which this claim can be considered is October 2, 2020.

Marina Dechlorination Facility (MDF)

No change; all equipment is operational.

Force Main

Transport System Repair Coupling & Seals

Under the Amended and Restated Joint Powers Agreement (JPA), Member Agencies will be taking responsibility for failures on the segments of the force main they use. As part of the negotiations, the Authority agreed to purchase encapsulating couplings and flexible internal seals that can be used to repair the force main in the event of a failure to mitigate that increased risk. In the Draft Transport System Seismic Reliability Plan, Brown & Caldwell recommended procurement of 48-inch and 60-inch encapsulating repair couplings for the San Leandro and Union/Hayward segments of the force main, respectively. San Leandro requested that in lieu of purchasing the 48-inch encapsulating coupling on their behalf, the Authority credit the City for the dollar value associated with the coupling. The 60-inch encapsulating coupling was ordered and is scheduled to ship at the end of October.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received twenty-nine (29) Underground Service Alert (USA) tickets during the month of August 2020. Two required field verification.

COVID-19 Response

Authority staff is continuing to implement the Pandemic Response Plan, which includes staff working from home and alternating time in the office to ensure social distancing. Signage regarding closure of the office to the public and the Authority's social distancing measures has been posted on the office door. All meetings are being conducted by phone and web conference until further notice.

Staff is also continuing to track research efforts utilizing data on the prevalence of SARS-CoV-2 virus in wastewater influent to identify and anticipate COVID-19 community trends, termed wastewater-based epidemiology. Researchers at UC Berkeley have secured foundation funding to develop a pop-up lab that can process 100 samples per day starting in September. They are still working to identify funding for the sample analysis, which they estimate at \$200/sample. A Working Group has been created to inform regional efforts and ensure coordination. The group includes representatives from UC Berkeley, Stanford, county public health offices, and wastewater treatment plants, coordinated by the Bay Area Clean Water Agencies (BACWA). Coordination on concepts and funding also continues with state and federal agencies including the California Department of Public Health (CDPH), US Environmental Protection Agency (EPA), and US Centers for Disease Control (CDC) through the California Association of Sanitation Agencies (CASA). CASA and a long list of associations and university researchers also submitted letters to the Rockefeller Foundation and the Gates Foundation requesting funding support for sewage surveillance efforts nationally.

Special Projects

Advanced Quantitative Precipitation Information (AQPI) Project

The regional AQPI project to improve prediction of rainfall events in the Bay Area continues to move forward. The Cooperative Agreement for installation of the X-band radar in the East Bay has been approved by the East Bay agencies, but approval by Sonoma County Water District (Sonoma Water), the implementing agency, was slowed by the COVID-19 emergency. Sonoma Water is expected to approve the East Bay agreement, as well as the lease agreement with American Tower for the site, in September. Installation of the X-band at Rocky Ridge is still estimated for this Fall but may slip. A Working Group has been formed to develop a media outreach plan associated with the installation.