EAST BAY DISCHARGERS AUTHORITY
2651 Grant Avenue
San Lorenzo, CA 94580-1841
(510) 278-5910
FAX (510) 278-6547

A Joint Powers Public Agency

Pursuant to the Governor's Executive Order N-25-20 the Operations & Maintenance Meeting scheduled for July 14th at 9:00 a.m. will be telephonic. The dial-in number for the meeting is +1 669 900 6833 with meeting I.D. #873 5394 5284. Members of the public are encouraged to dial in to the meeting using the same number. https://us02web.zoom.us/j/87353945284

ITEM NO. 16

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, July 14, 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 kyambao@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, August 18, 2020, at 9:00 a.m.

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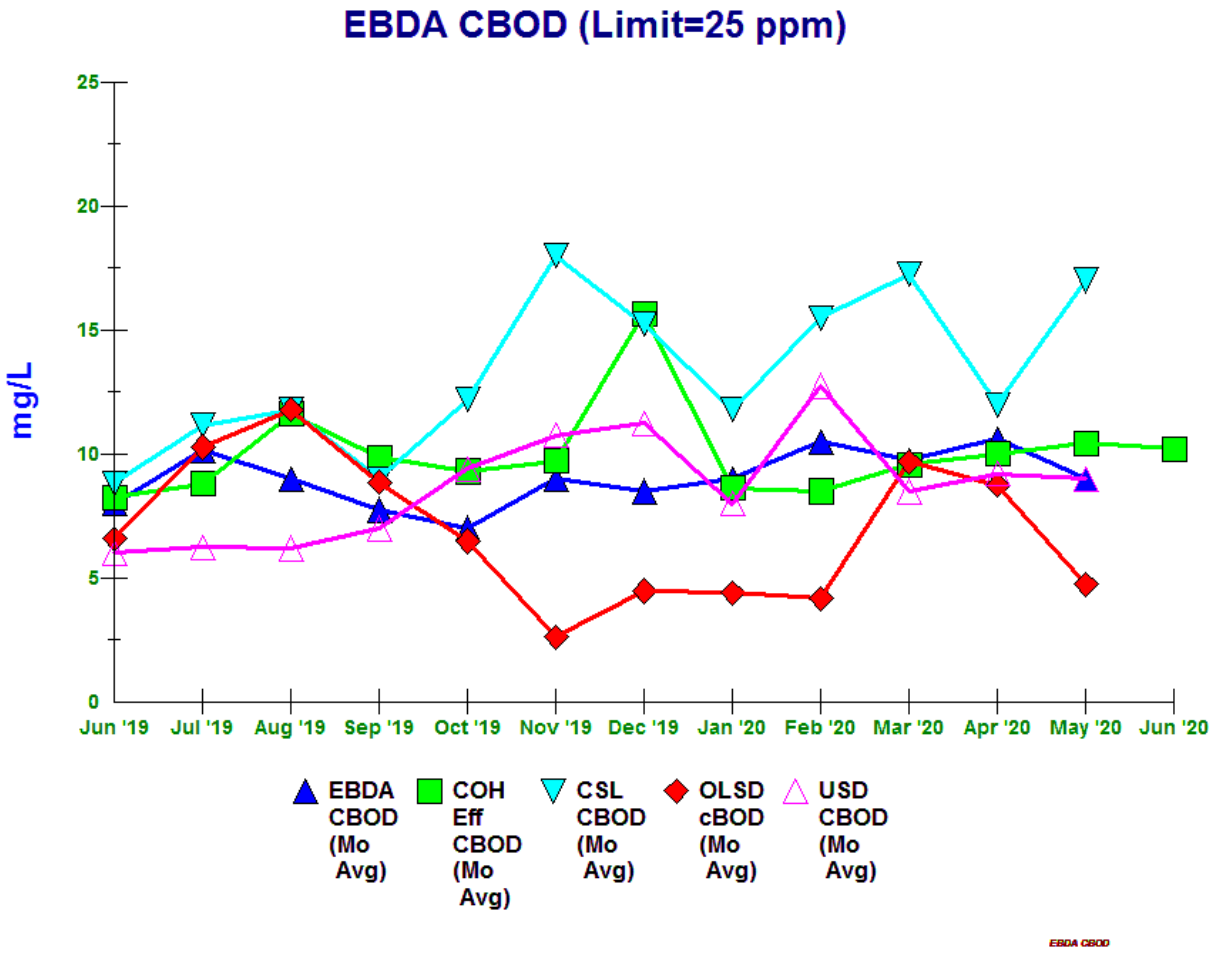
ITEM NO. OM4 EBDA PERFORMANCE

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

Permit Compliance Issues
There were no NPDES permit violations in May and preliminary data from June 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 started to rise to prevent bacterial outbreaks during the summer months. EBDA staff continues to appreciate Member Agency lab staff, and especially San Leandro lab staff for diligently continuing all sampling and analyses during the Shelter-in-Place order to ensure protection of the Bay.



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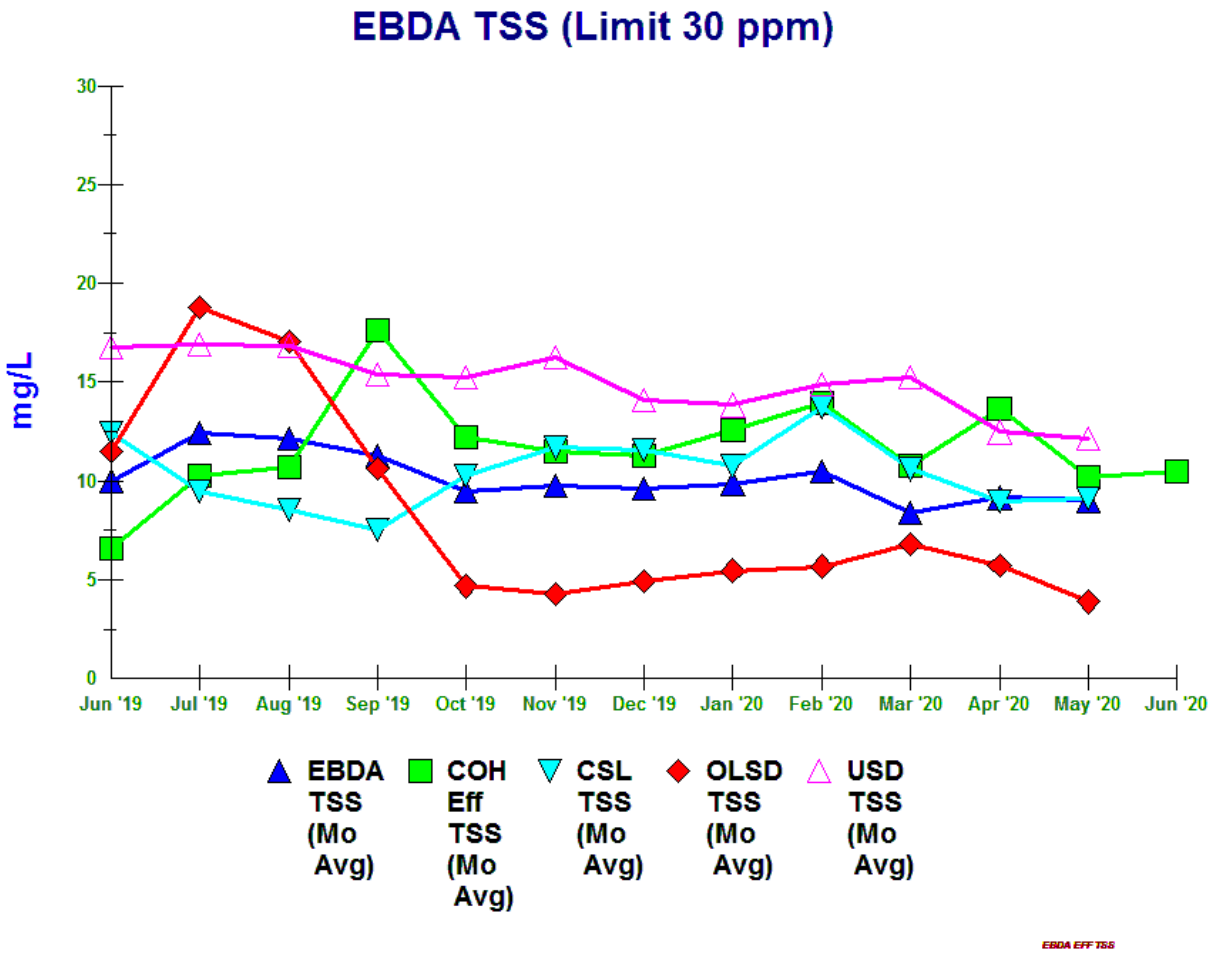

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EBDA Bacterial Indicators

Date	FECAL MPN/ 100mL		ENTERO MPN/ 100mL
Limit (90th Percentile)	1100		
Limit (Geomean)	500		240
July 2019, Geomean	**9**	**<**	**3**
August 2019, Geomean	**32**	**<**	**3**
Sept 2019, Geomean	**12**		**3**
Oct 2019, Geomean	**35**		**2**
Nov 2019, Geomean	**32**		**2**
Dec 2019, Geomean	**18**	<	**2**
January 2020 Geomean	**7**	**<**	**2**
February 2020 Geomean	**5**	<	**3**
March 2020 Geomean	**8**	<	**2**
April 2020 Geomean	**4**		**2**
5/4/2020	402		4
5/5/2020	11		2
5/6/2020	4	<	2
5/11/2020	244	<	2
5/12/2020	9		3
5/13/2020	8		4
5/18/2020	20	<	2
5/19/2020	350		2
5/20/2020	33		2
5/25/2020	435		2
5/26/2020	13		2
May 2020 Geomean	**40**		**2**
6/1/2020	12		2
6/2/2020	13	<	2
6/3/2020	110		2
6/8/2020	40		2
6/9/2020	33		4
6/15/2020	120		6
6/16/2020	17		2
6/22/2020	49	<	2
6/23/2020	8		2
6/29/2020	26		4
6/30/2020	17		2
June 2020 Geomean	**28**		**3**

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ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS – Formerly AEPS)

Effluent Pump No. 2 Variable Frequency Drive (VFD)
The new VFD transformer for Effluent Pump No. 2 was ordered and is scheduled to arrive in late July.

Effluent Pump No. 6 Impeller
In June, the new replacement impeller for Effluent Pump No. 6 was delivered to USD. USD maintenance staff will install the impeller when time permits, before the start of wet weather.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project
In June, staff training on the new pump station valves was completed. Additionally, thermographic imaging and stress testing of the electrical equipment inside the MCC building was completed. The training on the MCC building equipment was postponed until late July because the instructor was ill. After completion of the training, only some minor "punch list" items will remain, such as repair of the west end MCC building doors and completion of the as-built plans.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Hypochlorite System
As part of the Renewal and Replacement Fund (RRF) project list for FY 2020/2021, the Commission approved $40,000 for the installation of a new hypochlorite (hypo) pump, flow meter, and programmable logic controller (PLC) to allow EBDA to automatically add hypo to the OLEPS wet well for bacteria control. Currently, EBDA staff has to text or call OLSD operations staff to start and stop the hypo to the wet well. The automatic control of hypo to the OLEPS wet well will help to optimize the addition of hypo and reduce the cost of hypo, sodium bisulfite (SBS), and staff time.

For the new hypo pump, EBDA plans to match the SBS pumps at the Marina Dechlorination Facility (MDF). The City of San Leandro (CSL) also currently uses these pumps to pump hypo into their effluent. Initially, EBDA will install an existing spare pump shared by EBDA and CSL in the new OLEPS system. Once the system is operating and the pump is tested, EBDA plans to purchase and install a new pump and return the spare. A Purchase Order for approximately $13,000 for the new pump will be brought to the Commission for approval.

Staff plans to use Calcon Systems, Inc. (Calcon), EBDA's instrumentation contractor, to complete the design, installation, and programming for the new OLEPS hypo system. In June 2019, the Commission approved Resolution 19-26 authorizing a three-year contract with Calcon for $150,000 per year. Calcon provided a quote of $22,300 to complete this project, and staff proposes to authorize the work under the existing contract.

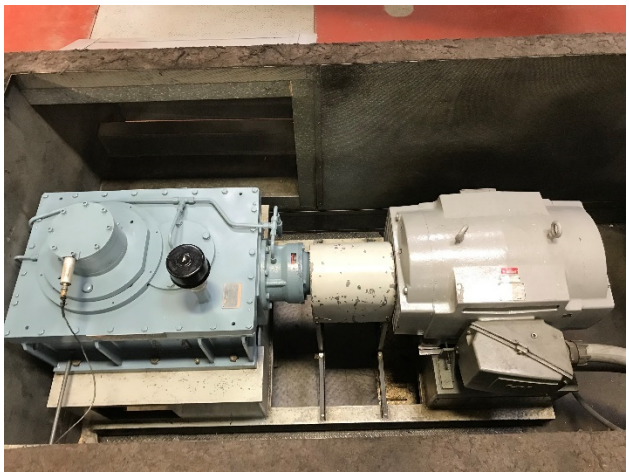
Exterior Painting

In June, the exterior equipment on the east side of OLEPS was painted. This equipment was included as part of a larger OLSD painting project. The cost to EBDA was $9,640 and included the OLEPS water system pumps, piping, and screen hoists as well as the wet well valve actuator pedestals.

OLEPS Water System Before Painting

OLEPS Water System After Painting

Effluent Pump No. 1 Right Angle Gear Drive Refurbishment
On July 2, 2020, OLSD maintenance staff completed a refurbishment of the Effluent Pump No. 1 right angle gear drive. The output shaft seal had become hard and brittle and started leaking oil. This refurbishment was complex and required the disassembly of the gear drive from the pump shaft and motor. The gear drive was then moved to the maintenance shop and the seals and gaskets were replaced. The refurbishment was completed in seven working days. Later this year, OLSD maintenance staff will refurbish the Effluent Pump No. 4 right angle gear drive.



OLEPS No. 1 Effluent Pump Right Angle Gear Drive & Motor

San Leandro Effluent Pump Station (SLEPS)

Transfer Agreement
The Transfer Agreement for San Leandro Effluent Pump Station and San Leandro Pipeline approved by the Commission in June was executed and went into effect on July 1, 2020. SLEPS is now under the management of City of San Leandro (CSL) staff, and EBDA staff will continue to work collaboratively with them to ensure that ongoing projects are completed and the transition goes smoothly.

Emergency Generator Repair
CSL staff is now coordinating the generator repair per the transfer of the pump station. The Sunbelt Rentals portable generator is still connected to the pump station in the interim, and CSL took responsibility for the rental as of July 1, 2020.

Skywest Pump Station

Recycled Water Production
During the month of June 2020, the Skywest Recycled Water System produced 2.0 million gallons of recycled water.

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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. EBDA and OLSD are in the process of providing additional information requested by the claim's adjuster.

Marina Dechlorination Facility (MDF)

Recently, one of the two sample pumps in the meter vault at MDF failed and was replaced by CSL maintenance staff. These pumps pump the dechlorinated sample from the meter vault near the shore back to MDF. A second pump was ordered and placed in stock as a spare.

Force Main

Transport System Repair Coupling & Seals
Following approval by the Commission in May 2020, EBDA purchased three WEKO-Seals (14.5" wide) and one EPDM Sleeve (48" wide) for each of the different force main sizes: 48-inch, 60-inch and 96-inch. This stockpile of parts will allow EBDA to repair several different combinations of leaks or failures. On June 22, 2020, the seals and sleeves were delivered to OLEPS. The next day, the 48-Inch seals and sleeve were delivered to CSL. The 96-Inch seals and sleeve will be stored at OLEPS, and the storage location of the 60-Inch seals and sleeve will be discussed at the July MAC meeting.

Operations Center

EBDA Office Dry Rot Repair & Window Replacement
On June 12, 2020, the window installer returned to repair the top portion of the window in the General Manager's office. This window was replaced a long time ago, and at that time, some of the weather stripping was missing and replaced with caulk. The caulk was in poor condition, and this repair will ensure that the window is watertight.

The contractor that is repairing the dry rot ordered the flashing for under the windows in the General Manager's and O&M Manager's offices. The contractor removed the rotted window sills and is in the process of fabricating new sills and repairing the rotted subfloor.

Miscellaneous Items

Underground Service Alerts
EBDA received thirty-one (31) Underground Service Alert (USA) tickets during the month of June 2020. Three required field verification.

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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 to identify and anticipate COVID-19 community trends, termed wastewater-based epidemiology. Researchers at UC Berkeley, in collaboration with researchers at other universities, are working to scale up lab capabilities and standardize testing methods with a goal of processing 100 samples per day starting in September. They are pursuing foundation grant funding and envision a program that would roll out Bay Area-wide as a model for other regions. Local wastewater agencies would be responsible for sampling, but analysis costs would be covered through the program. Working through the Bay Area Clean Water Agencies, EBDA staff will continue to engage with the coalition of researchers, public health officials, and wastewater professionals who are working to create this program.

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, the implementing agency, has slowed due to the COVID-19 emergency. Installation of the X-band at Rocky Ridge is still estimated for September.

Planning is also underway on a regional partnership agreement to fund the O&M of the system beyond 2021, when the original Department of Water Resources grant concludes. The attached letter requesting federal funding was submitted to Speaker Pelosi's office in June. A User Group to discuss format and delivery of data for maximum benefit to wastewater agencies is also being formed.

June 18, 2020

The Honorable Nancy Pelosi
Speaker of the U.S. House of Representatives
1236 Longworth House Office Building
Washington, D.C. 20515

Re: SF Bay Area AQPI Local Participating Agencies Committee (LPAC) Request for Appropriations Funding in Fiscal Year 2021

Dear Speaker Pelosi:

On behalf of the organizations who together form the SF Bay Area Advanced Quantitative Precipitation Information (SF Bay Area AQPI) system Local Partner Agency Committee (LPAC), we write to ask for your support for an FY 2021 appropriation of an additional $2 million in the NOAA Weather Service account for a critical new weather forecasting tool, known as the San Francisco Bay Area Advanced Quantitative Precipitation Information system (SF Bay Area AQPI).

The SF Bay Area AQPI system consists of improved weather radar data for precipitation estimation; additional surface measurements of precipitation, streamflow and soil moisture; and a suite of forecast modeling systems to improve lead time on precipitation and coastal bay inundation from extreme storms—especially high moisture laden atmospheric rivers.

SF Bay Area AQPI is necessary for the success and growth of our region, particularly because current weather forecasting technology does not meet the current need in the face of climate change. Better forecasting is needed for public safety, and advanced warning of storms can minimize economic costs associated with disaster recovery.

When large atmospheric rivers hit California, our current technology does not provide forecasters with the detailed information needed to inform reservoir operations and combined sewer-stormwater systems and to enhance flood protection and emergency preparedness. Standard weather radars, originally designed to look up into Midwest thunderstorms, are often unable to give an accurate picture of what is happening just above the complex landscape of California's coastal mountain ranges, where precipitation can be heaviest.

Accurate and timely precipitation information is critical for making decisions regarding public safety, infrastructure operations, and resource allocations. Improved precipitation monitoring and

prediction in the San Francisco Bay region can enhance public safety through early warning and storm tracking when hazardous weather events come onshore.

We appreciate your ongoing leadership in supporting our region's economy and we thank you for considering our appropriations request which is critical to ensuring our region can remain safe and vigilant and continue to prosper. The list of the SF Bay Area AQPI Local Partner Agencies Committee (LPAC) making this request is below.

SF Bay Area AQPI Local Partner Agency Committee (LPAC)

Alameda County Flood Control & Water Conservation District
Alameda County Water District
Contra Costa County Flood Control & Conservation District
East Bay Dischargers Authority
East Bay Municipal Utility District
San Francisco Public Utilities Commission
Sonoma Water
Valley Water

Sincerely,

John Coleman, CEO
Bay Planning Coalition