



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 December 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. #: 860 0080 4021. Members of the public are encouraged to dial in to the meeting using the same number. <https://us02web.zoom.us/j/86000804021>

ITEM NO. 15

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, December 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. Motion to Accept Completion and Authorize the Filing of a Notice of Completion for the Hayward Effluent Pump Station Motor Control Center Replacement Project

(The Committee will consider the motion.)

OM7. 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 jvillasenor@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, January 19, 2021, at 9:00 a.m.**

ITEM NO. OM4 EBDA PERFORMANCE

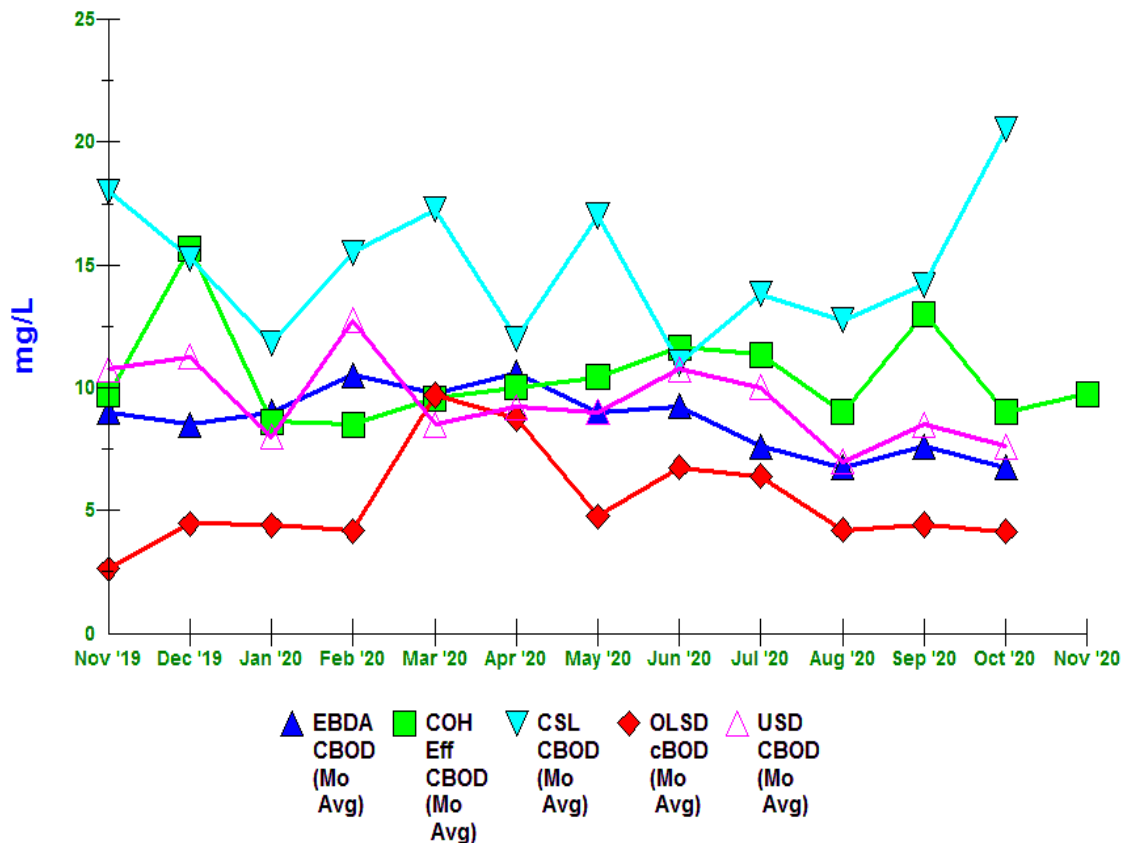
Recommendation

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

Permit Compliance Issues

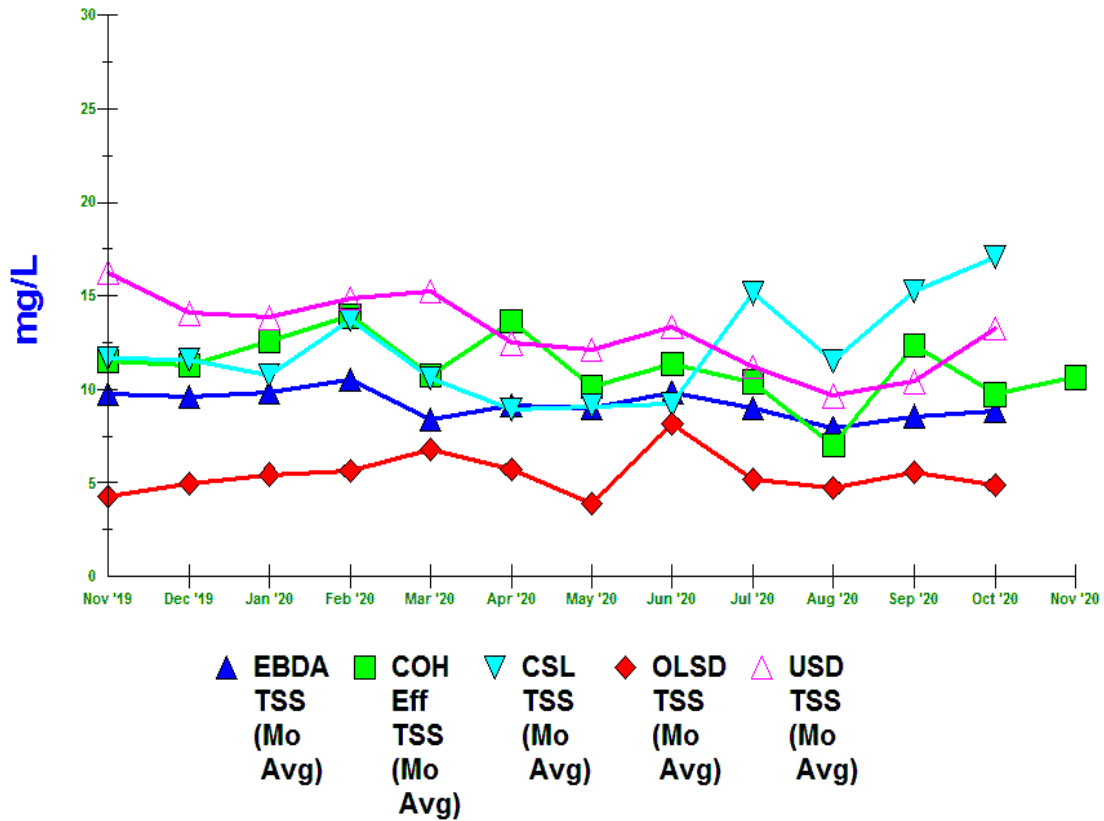
There were no NPDES permit violations in October and preliminary data from November are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included.

EBDA CBOD (Limit=25 ppm)



EBDA CBOD

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	
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	
July 2020 Geomean	27	3	
August 2020 Geomean	23	3	
September 2020 Geomean	41	5	
10/5/2020	43	<	2
10/6/2020	13	<	2
10/7/2020	22	6	
10/12/2020	43	15	
10/13/2020	920	82	
10/14/2020	7	10	
10/19/2020	4	4	
10/20/2020	70	8	
10/21/2020	13	6	
10/26/2020	101	139	
10/27/2020	11	5	
October 2020 Geomean	30	9	
11/2/2020	5	2	
11/3/2020	4	5	
11/4/2020	2	2	
11/9/2020	16	13	
11/10/2020	49	5	
11/11/2020	79	15	
11/16/2020	3	<	2
11/17/2020	8	4	
11/23/2020	4	<	2
11/24/2020	130	2	
11/30/2020	15	4	
November 2020 Geomean	11	4	

ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS – Formerly AEPS)

Radio Communications

EBDA has been experiencing issues receiving data communications from UEPS. Calcon Systems, Inc. (Calcon) attempted to repair the existing equipment but was unsuccessful. Calcon installed a new radio at the top of the UEPS surge tower and is in the process of installing a new radio on the OLEPS surge tower. It is expected that this will correct the problem and will be completed just after the first of the year.

In 2017, EBDA started a project to replace the serial port radios used for data communication between EBDA facilities. The project was put on hold shortly after it was started due to a number of considerations, including evaluation of whether internet or radio was a more appropriate technology to meet EBDA's needs. The full Communication System Upgrade at all facilities will be included in the RRF project list in the next several years. Staff is using the UEPS experience and other smaller projects to inform decision-making on systemwide upgrades.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project

Staff is recommending approval of a motion authorizing the filing of a Notice of Completion with the County. See Item No. OM6.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Hypochlorite (Hypo) System

In November, OLSD staff approved the equipment that EBDA plans to install, and Calcon ordered the equipment. Once the equipment arrives, a meeting will be scheduled to review the upcoming installation with OLSD staff. EBDA's new hypo pump and flow meter will be installed in close proximity to OLSD's hypo pumping equipment, and it is EBDA's desire to have the equipment fit in seamlessly.

Main Electrical Switchboard Upgrade

Staff is in the process of executing a contract with Graybar Electric Company, Inc. for the OLEPS Main Electrical Switchboard Upgrade, as approved by the Commission at last month's meeting.

Water System Upgrade

On November 12, 2020, Calcon completed installation of water piping at OLEPS to connect OLSD's plant water system to the OLEPS gear drive cooling water system. Phase I of the project was completed in November 2019 when the contractor working on OLSD's Nutrient Optimization Project completed installation of the two-inch #4 water line from OLSD to OLEPS. It was critical that the underground portion of the water line installation be completed prior to the paving between OLSD and OLEPS.

Phase II of the project, completed this November, was on the Renewal & Replacement Fund Project List for FY 2020/2021, with a budget of \$25,000. After additional water piping on the exterior of OLEPS was eliminated from the project, Calcon provided a not-to-exceed quote of \$17,000. Calcon completed the installation for \$15,500, thanks to efficient efforts.

In the past, if the OLEPS water system was out of service, OLSD staff had to drag hoses across the roadway to connect to OLSD's plant water system. Now, if the OLEPS water system is out of service, OLSD staff can connect the two water systems easily by operating several valves. OLSD staff will be labeling the new water lines, and a Standard Operating Procedure (SOP) will be developed to ensure staff is ready to utilize the new method of connecting the two water systems.

San Leandro Effluent Pump Station (SLEPS)

No change; all equipment is operational.

Skywest Pump Station

Recycled Water Production

During the month of November 2020, the Skywest Recycled Water System only operated three days and produced 1.43 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

No change; all equipment is operational.

Force Main

Manway Cover & Valve Replacement

As part of the Cargill Brine Project inspection (see below under Special Projects), the southern portion of the transport system will be shutdown to assess the condition of the concrete pipe in a second location, closer to the USD plant. EBDA is going to take advantage of this shutdown to replace the force main manway cover and the Air Relief Valve (ARV) isolation valve at this location.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received twenty-two (22) Underground Service Alert (USA) tickets during the month of November 2020. Five 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 secured foundation funding to develop a pop-up lab that can process 100 samples per day. The current grant also funds sample shipping and analysis, at least through Spring 2021. 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). More information on these regional efforts is at <https://www.covid-web.org/>.

EBDA staff has begun meeting with representatives from UC Berkeley, Alameda County Public Health Department (Public Health), and East Bay Municipal Utility District to develop a monitoring strategy for Alameda County. Public Health is still working to prioritize locations for which wastewater surveillance data will be most helpful and determine how they would use the data. On a December 3, 2020 call, EBDA and LAVWMA agency representatives pledged their interest and willingness to serve at the disposal of Public Health as they determine their needs. In the future, this may involve sampling to support understanding of trends in certain neighborhoods and/or school catchment areas.

Special Projects

Cargill Brine Project Due Diligence – Transport System Inspection

EBDA is in the process of scheduling a shutdown of the southern portion of the transport system to assess the condition of the concrete pipe in a second location, closer to the USD plant. This inspection will provide additional data on the potential of brine addition to accelerate corrosion of the transport system. The shutdown is scheduled for the morning of Saturday, December 19, 2020, from 2:00 am to 6:00 am.

Advanced Quantitative Precipitation Information (AQPI) Project

The regional AQPI project, with a goal of improving 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 and wildfires. Sonoma Water was slated to approve the East Bay agreement, as well as the lease agreement with American Tower for the site, in November, however the contracts have been pushed back again until early 2021. The team is readying plans for installation of the X-band at Rocky Ridge as they await approval of the agreement, in hopes that the radar will be installed to capture as much as

possible of the upcoming wet season. In the meantime, scientists with the National Oceanographic and Atmospheric Administration (NOAA) will begin providing precipitation forecasts to agencies at locations of their choosing using data from the already-installed portions of the AQPI radar system.

**ITEM NO. OM6 MOTION TO ACCEPT COMPLETION AND AUTHORIZE THE FILING
A OF NOTICE OF COMPLETION FOR THE HAYWARD EFFLUENT PUMP STATION
MOTOR CONTROL CENTER REPLACEMENT PROJECT**

Recommendation

Adopt a motion accepting completion of the project and authorizing staff to file the Notice of Completion with the County.

Background

On April 19, 2018, the Commission adopted a resolution authorizing the General Manager to enter into a contract with GSE Construction Company Inc. (GSE) to remove and replace the existing Motor Control Center (MCC) at the Hayward Effluent Pump Station (HEPS). The contract amount for all labor, materials, and support was \$2,546,355. This included \$2,425,100 based on GSE's quote, plus authorization for the General Manager to execute change orders, as needed, in an amount not to exceed 5%, which equaled \$121,255.

Under the contract, GSE also provided all labor, materials, and support to complete the following site improvements:

- Construct a pond influent flow dissipater structure
- Install piping from the pump station to the dissipater structure
- Install new valves and motorized valve actuators
- Install an access platform around the existing generator
- Install stairs into the new MCC Building
- Pipe coatings
- Repave the existing site
- Install new perimeter fencing

Discussion

The project was completed on December 2, 2020, with the receipt of GSE's Conditional Waiver and Release. EBDA would like to thank City of Hayward staff for their contributions to making the project a success.

The total of all change orders for this project was \$97,916 or 4%, less than the authorized 5%. EBDA was also able to negotiate \$37,748 in change order credits from the contractor, allowing additional scope to be added to the project, such as paving a larger area of the pump station and installation of additional storm drains. For example, EBDA received a credit of \$22,037 on the access platform around the existing generator and the new MCC Building stairs.

Photos of the site before and after the project are included on the following pages. A ribbon-cutting event will be held when it is safe to do so.

A Certification of Completion from EBDA's contract Construction Manager and GSE's Conditional Waiver and Release are attached. A formal filing with the County will be completed upon adoption of the proposed motion.



Before



After



Before



After



Before



After



East Bay Dischargers Authority
Hayward Effluent Pump Station Motor Control Center
Replacement Project (Project No. 2017-03)

CERTIFICATE OF COMPLETION



I, Evan Currie, Construction Manager for the East Bay Dischargers Authority, Alameda County, California, do hereby certify that the work and improvements described in the contract which was entered into by and between East Bay Dischargers Authority and GSE Construction Company, Inc., dated April 19, 2018, was completed to my satisfaction on December 2, 2020.

That said work and improvements are more particularly described in the contract, approved by the Commission of said Authority on April 19, 2018.

I understand that neither the determination of completeness of the work, nor the acceptance of the work by the Authority, shall operate to bar claims against the Contractor under the terms of the guarantee provisions of the Contract Documents.

Dated: December 8, 2020

By: 
Evan Currie, PE – Construction Manager

CONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT'S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT HAS RECEIVED PAYMENT.

Identifying Information

Name of Claimant: GSE Construction Co., Inc.

Name of Customer: East Bay Dischargers Authority

Job Location: 3700 Enterprise Rd., Hayward, CA 94545

Owner: East Bay Dischargers Authority

Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. This document is effective only on the claimant's receipt of payment from the financial institution on which the following check is drawn:

Maker of Check: East Bay Dischargers Authority

Amount of Check: \$ 96,150.80

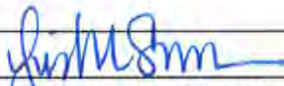
Check Payable to: GSE Construction Co., Inc.

Exceptions

This document does not affect any of the following:
Disputed claims for extras in the amount of: \$

Signature

Claimant's Signature:



Claimant's Title: Secretary/Accounting Manager

Date of Signature: 12/02/2020
