



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 April 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. #399 844 460. Members of the public are encouraged to dial in to the meeting using the same number.

ITEM NO. 12

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, April 14, 2020

9:00 A.M.

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

Committee Members: Cutter (Chair); Walters

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. Resolution Authorizing the General Manager to Issue Amendment No. 1 to the Agreement with Kermani Consulting Group for Disaster Cost Recovery Planning Services in the Amount of \$2,169 for a Total Not to Exceed Amount of \$52,169

(The Committee will consider a resolution amending the agreement.)

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 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, May 19, 2020, at 9:00 a.m.**

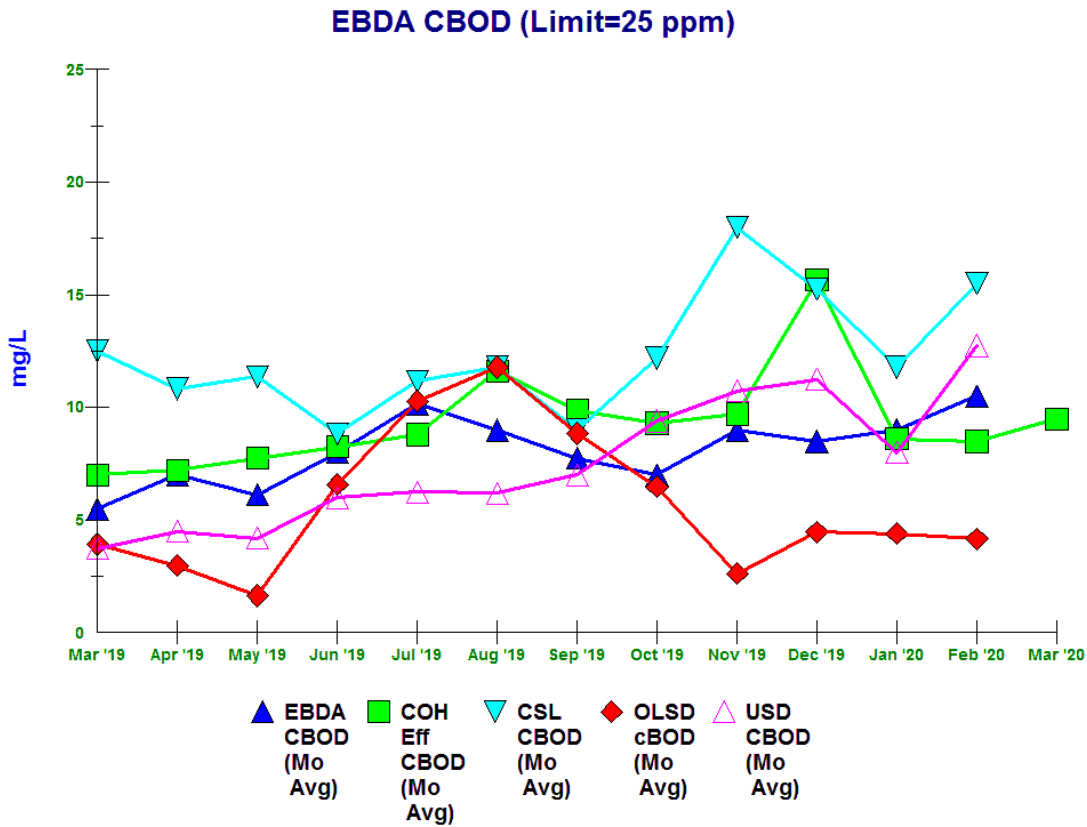
ITEM NO. OM4 EBDA PERFORMANCE

Recommendation

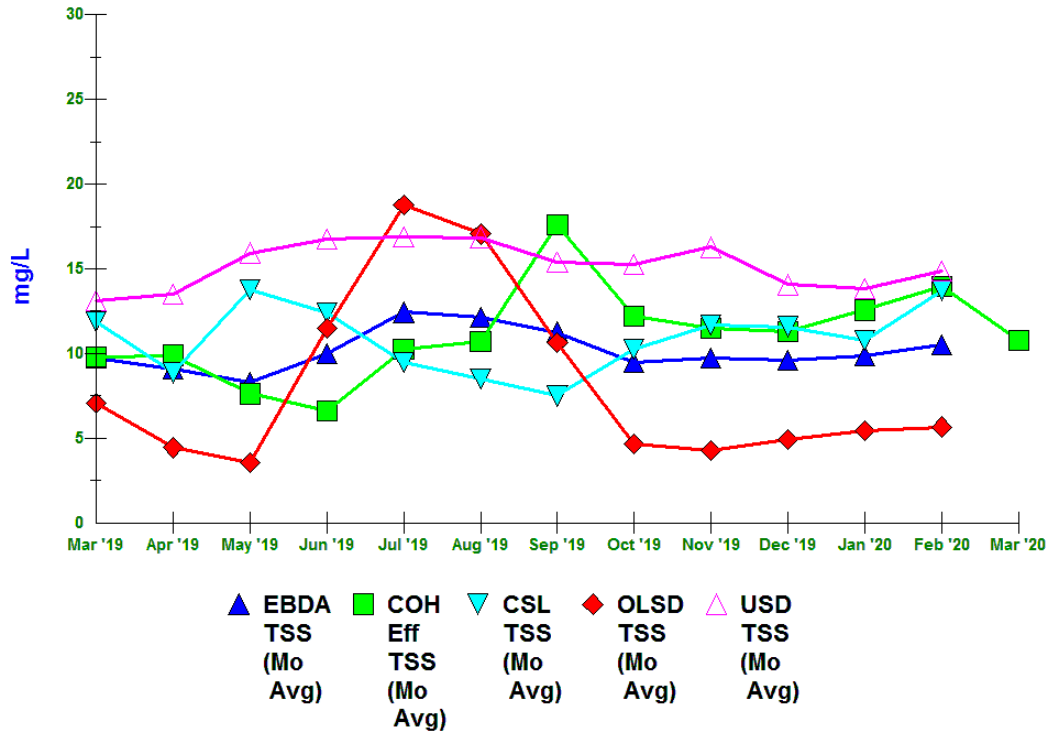
For the Committee’s information only; no action is required.

Permit Compliance Issues

There were no NPDES permit violations in February and preliminary data from March are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included. Following anomalous fecal coliform detections in November and December, results in January and February were back to expected levels for the lower temperature season, and March data continues that stable pattern. EBDA staff would like to thank 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.



EBDA TSS (Limit 30 ppm)



EBDA EFF TSS

EBDA Bacterial Indicators

	FECAL	ENTERO
Date	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
April 2019, Geomean	7	< 2
May 2019, Geomean	14	2
June 2019, Geomean	16	3
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
2/3/2020	6	2
2/4/2020	8	< 2
2/5/2020	8	< 2
2/10/2020	2	< 2
2/11/2020	2	3
2/12/2020	2	< 2
2/17/2020	4	< 2
2/18/2020	4	< 10
2/19/2020	2	8
2/24/2020	2	< 2
2/25/2020	240	< 2
February 2020 geomean	5	< 3
3/2/2020	13	2
3/3/2020	23	2
3/4/2020	13	< 2
3/9/2020	10	2
3/10/2020	8	2
3/16/2020	3	< 2
3/17/2020	2	7
3/23/2020	12	< 2
3/24/2020	4	< 2
3/30/2020	3	< 2
3/31/2020	33	< 2
March 2020 geomean	8	< 2

ITEM NO. OM5 STATUS REPORT

Alvarado Effluent Pump Station (AEPS)

Pump Cavitation Study & Station Optimization

On March 6, 2020, EBDA received the latest version of the Draft Cavitation Study Project Memorandum. Once the Memorandum is finalized, it will be sent to the MAC and USD staff for review and a meeting will be scheduled with USD to discuss implementation of the recommendations. Due the current COVID-19 Pandemic, this project is on hold.

Effluent Pump No. 6 Refurbishment

On December 19, 2019, the new Effluent Pump No. 6 impeller was ordered with a lead time of 12 to 16 weeks. The new impeller is scheduled to ship mid-April. Once the new impeller arrives, wet weather has ended, and the current Shelter-in-Place order is lifted, USD maintenance staff will install the new impeller.

Air Supply Fan

On February 18, 2020, USD reported to EBDA that the pump station air supply fan needed to be replaced. USD received a quote of approximately \$4,000 for a replacement unit. The new fan has a four week lead time and USD staff will install the fan when it arrives.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project

The last major outstanding items on this project are the installation of the new stairs into the MCC building and the new platform around the generator. The stairs and platform were scheduled to arrive the last week of March but were rescheduled to mid-April. Following installation of the stairs and platform, the next steps on the project are thermographic imaging of the electrical equipment in the new MCC building and training on the new MCC equipment and pump station valves. The thermographic imaging and training are postponed until the current Shelter-in-Place order is lifted and Member Agency staff resume normal operations.

Oro Loma Effluent Pump Station (OLEPS)

Emergency Generator Tachometer Upgrade

Scot Campbell with Bay Power, LLC, identified the outdated cable-driven tachometer/speed switch on the OLEPS emergency generator as the cause of the recent OLEPS emergency generator failure. The speed switch sends a signal to the starter that the engine is running, causing the starter to disengage. Mr. Campbell believes that the faulty speed switch was signaling that the engine was not running

when it was, causing the starter to stay engaged and fail. A modern electronic tachometer/speed switch will be installed to match the ones on the diesel pump engines. Mr. Campbell was scheduled to replace the switch on March 19, 2020, however this upgrade was postponed due to the current Shelter-in-Place order. OLEPS continues to have one of OLSD's portable generators connected as backup in the interim.

Electrical Improvements

To ensure consistent power to OLEPS, EBDA is in the process of connecting the station to OLSD as a redundant emergency power supply. On April 3, 2020, Calcon Systems Inc. (Calcon) completed the installation of the new conduits inside OLEPS and the wires from just outside OLSD's new blower building to OLEPS. The next phase of the emergency power project entails having OLSD's Nutrient Optimization Project electrical subcontractor install a breaker in the new blower building and connecting the wires from just outside the building to the breaker. EBDA has requested a lead time from the contractor for the new breaker.

San Leandro Effluent Pump Station (SLEPS)

No change; all equipment is operational.

Skywest Pump Station

Recycled Water Production

During the month of March 2020, due to wet weather, the Skywest Recycled Water System only operated one day and produced 0.53 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

On March 27, 2020, the trees were trimmed at MDF. The main concern was the large trees behind MDF and next to the SBS Storage Building. Staff had received three quotes ranging from \$2,500 to \$13,050 and selected the lowest quote provided by New Image Landscaping Company, the landscape contractor used by OLSD.



Before

After



Before

After

Force Main

Transport System Repair Couplings & Seals

As part of the draft Transport System Seismic Reliability Plan, Brown & Caldwell (BC) included a recommended emergency spare parts inventory list. EBDA staff is in the process of obtaining quotes for 48-Inch and 60-Inch Encapsulating Couplings. Procurement of these items prior to the effective date of the new JPA was agreed to in the JPA Term Sheet and added to the Renewal and Replacement Fund (RRF) project list for FY 2019/2020. Per that agreement, staff also plans to procure a selection of flexible internal seals that can be deployed for pipe repair.

Operations Center

EBDA Office Dry Rot Repair & Window Replacement

The FY 2018/2019 RRF project list approved by the Commission included \$40,000 for office upgrades. One key upgrade project, which has been delayed due to other priorities, is to address dry rot and replace several windows.

Dry rot was discovered under the windows in the General Manager's and O&M Manager's offices. All of the EBDA office windows, except the two with the dry rot, have metal flashing outside at the bottom. These two windows have wood outside at the bottom allowing water to seep in causing the dry rot. Staff plans to replace the bottom portion of those two windows. In addition, none of the windows open, causing the office to have a musty odor. Staff plans to replace a total of four windows – the two with dry rot and an additional two in the common area – with windows that will open, allowing fresh air to circulate in the office.

Concurrent with the window replacement, the dry rot will be mitigated and metal flashing will be installed on the two windows to prevent the dry rot from returning. The cost of the new windows is approximately \$2,500 including installation, and the cost of the dry rot repair is approximately \$2,000. It should be noted that once the contractor starts the dry rot repair, the cost may increase because it is difficult to know the full extent of the rot until a portion of the subfloor is removed. Photos below show the dry rot concerns, as well as one of the additional common area windows that is slated for replacement.



Dry Rot Inside The GM's Office

Wood Outside The O&M Manager's Office



Common Area Window

Miscellaneous Items

Underground Service Alerts

EBDA received thirty-eight (38) Underground Service Alert (USA) tickets during the month of March 2020. Four required field verification.

Wet Weather

During the month of March 2020, there were no significant rain events that required the operation of an OLEPS diesel pump or discharge to the Hayward Ponds.

Special Projects

COVID-19 Response

Authority staff is implementing its Pandemic Response Plan, which includes staff primarily 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.

The Authority is not currently incurring any costs that are expected to be recoverable through FEMA. Staff therefore does not recommend that the Authority declare a State of Emergency at this time, but will continue to monitor the situation, including state and federal guidance on eligibility for cost recovery. Information on eligible disaster costs can be found here: <https://www.fema.gov/news-release/2020/03/19/coronavirus-covid-19-pandemic-eligible-emergency-protective-measures>

PG&E Large Integrated Audit Program

EBDA is participating in PG&E's Large Integrated Audit (LIA) program. The LIA Program is a PG&E-sponsored assessment of customer facilities, with a goal of creating an energy action plan that identifies and prioritizes potential energy and demand savings from energy conservation, energy efficiency, time-of-use management, demand response, and self-generation measures. EBDA's study is being conducted by Alternative Energy Systems Consulting, Inc. (AESC). On December 18, 2019, EBDA staff provided AESC with the data that they requested. Staff is awaiting AESC's analysis.

EBDA Facilities Electrical Evaluation

Beecher Engineering, Inc. will provide a final draft of the EBDA Facilities Electrical Evaluation Report following the incorporation of the OLEPS Standby Power Assessment Report.

Disaster Cost Recovery Planning

On March 8, 2020, Kermani Consulting Group (KCG) delivered a final Disaster Cost Recovery Plan for EBDA. Staff is recommending approval of amendment No. 1 to the agreement with KCG in the amount of \$2,169. See Item No. OM6.

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 been slowed due to the COVID-19 emergency. Approval is now slated for June, with installation of the X-band at Rocky Ridge now estimated for later this summer. 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. A User Group to discuss format and delivery of data for maximum benefit to wastewater agencies is also being formed.

EAST BAY DISCHARGERS AUTHORITY
MONTHLY OPERATION AND MAINTENANCE REPORT
Mar-2020

1. Summary sheets from the NPDES Report submitted to the RWQCB and EPA are attached for the month of: Feb-20
2. Number of violations reported in the above NPDES Report: **None to Report**
3. The violations included the following: **None Noted**
4. Preventive Maintenance for the month of: Feb-20

LOCATION	NO. TASKS SCHEDULED	NO. TASKS COMPLETED	# TASKS UNFINISHED	PERCENT COMPLETED
San Leandro Pump Station	4	4	0	100%
Oro Loma Pump Station	88	88	0	100%
Sky West Pump Station	9	9	0	100%
Hayward Pump Station	24	24	0	100%
Alvarado Pump Station	9	9	0	100%
Marina Dechlorination Facility	55	55	0	100%
EBDA Responsibility	24	24	0	100%
Force Main - USD	4	4	0	100%
Force Main - San Leandro	66	66	0	100%
Total	283	283	0	100%

5. Unscheduled Maintenance for the month of: Mar-20

LOCATION	NO. OF WORK ORDERS
San Leandro Pump Station	0
Oro Loma Pump Station	1
Hayward Pump Station	1
Alvarado Pump Station	0
Marina Dechlorination Facility	1
Skywest Pump Station	0
Force Main	0

6. Other Items of significance: Mar-20

- a. FM: Transport System Repair Couplings & Seals
- b. AEPS: Air Supply Fan Replacement
- c. OLEPS: Electrical Improvements / Generator Repair
- d. MDF: Tree Trimming
- e. HEPS: MCC Replacement Project
- f. SLEPS: No Items

ITEM NO. OM6 RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ISSUE AMENDMENT NO. 1 TO THE AGREEMENT WITH KERMANI CONSULTING GROUP FOR DISASTER COST RECOVERY PLANNING SERVICES IN THE AMOUNT OF \$2,169, FOR A TOTAL NOT TO EXCEED AMOUNT OF \$52,169

Recommendation

Adopt a resolution authorizing the General Manager to issue Amendment No. 1 to the agreement with Kermani Consulting Group (KCG) for Disaster Cost Recovery Planning Services in an amount not to exceed \$2,169.

Background

On February 19, 2019, following a Request for Proposals and selection process, the Commission adopted a resolution authorizing an agreement with KCG for Disaster Cost Recovery Planning Services. KCG has extensive experience assisting municipalities in recovering costs through the Public Assistance Process administered by the California Office of Emergency Services (OES) and Federal Emergency Management Agency (FEMA). The Authority engaged KCG to provide training on disaster cost recovery for Authority staff and to deliver a Disaster Cost Recovery Plan. This training and plan place the Authority in a strong position to recover costs in the event of a disaster that impacts the agency, including an earthquake.

Discussion

In addition to development of the plan and training for Authority staff, staff and KCG, working with the MAC, determined that conducting a training for Member Agency staff on disaster cost recovery would add value. The Member Agency training was held on February 5, 2020 and was well-attended by agency staff. Feedback was that the training was dense – a lot of information was presented in a short time – but valuable. The training materials provided can be used as a resource for the members in the event of a disaster.

This training session was not explicitly called for in the scope of work approved in KCG’s agreement. Working with Authority staff, KCG agreed to share costs of the training with the Authority. KCG is seeking reimbursement for expenses incurred the day of the training. They are willing to cover the costs for development of the training materials and coordination with Authority staff. The reimbursement requested breaks down as follows:

6 hours @ \$195	\$1,170
6 hours @ \$155	\$930
138 miles @ \$0.50	\$69
Total	\$2,169

Agenda Explanation
East Bay Dischargers Authority
O&M Agenda
April 14, 2020

KCG has also agreed to provide phone assistance at no additional charge in the event that Member Agencies have questions on disaster cost recovery and the information covered in the training.

The Disaster Cost Recovery Plan was delivered on March 8, 2020. This concludes the KCG engagement. Next steps for staff include developing and issuing Requests for Proposals (RFPs) for services that are likely to be required during a disaster, as well as pre-populating FEMA forms to the extent practical.

EAST BAY DISCHARGERS COMMISSION
EAST BAY DISCHARGERS AUTHORITY
ALAMEDA COUNTY, CALIFORNIA

RESOLUTION NO. 20-03

INTRODUCED BY _____

**RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ISSUE AMENDMENT
NO. 1 TO THE AGREEMENT WITH KERMANI CONSULTING GROUP FOR
DISASTER COST RECOVERY PLANNING SERVICES IN THE AMOUNT OF \$2,169
FOR A TOTAL NOT TO EXCEED AMOUNT OF \$52,169**

WHEREAS, EBDA and its Member Agencies risk significant financial losses as a result of natural disasters such as fires and earthquakes; and

WHEREAS, EBDA and its Member Agencies are eligible to be reimbursed for such losses through state and federal public assistance programs; and

WHEREAS, it is in EBDA and its Member Agencies' interest to be as prepared as possible for seeking reimbursement through public assistance programs in the event of a disaster to mitigate financial risks; and

WHEREAS, on March 6, 2019, EBDA entered into an agreement with Kermani Consulting Group (KCG) to provide Disaster Cost Recovery Planning Services; and

WHEREAS, in addition to providing training and planning for EBDA, KCG provided training for Member Agency staff; and

WHEREAS, the Operations & Maintenance Committee has recommended amendment of KCG's agreement to reimburse KCG for the cost to deliver the Member Agency Training.

NOW, THEREFORE BE IT RESOLVED, that the Commission of the East Bay Dischargers Authority hereby approves Amendment No. 1 to the Agreement with KCG.

BE IT FURTHER RESOLVED, that the Commission authorizes the General Manager to execute Amendment No. 1 with KCG on behalf of the Authority in the amount of \$2,169 for a total not to exceed amount of \$52,169.

SAN LORENZO, CALIFORNIA, APRIL 16, 2020, ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSENT:

ABSTAIN:

CHAIR
EAST BAY DISCHARGERS COMMISSION

ATTEST: _____
GENERAL MANAGER
EAST BAY DISCHARGERS AUTHORITY
EX OFFICIO SECRETARY