

AGENDA

NOTICE OF REGULAR MEETING

TIME: 6 p.m.

DATE: Tuesday, October 1, 2019

PLACE: Shannon Community Center, Ambrose Hall
11600 Shannon Avenue, Dublin, CA 94568

Our mission is to protect public health and the environment by providing reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and fiscally responsible manner.

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Duarte, Halket, Johnson, Misheloff, Vonheeder-Leopold
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
 - New Employee Introduction
5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)

At this time those in the audience are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight's agenda. Comments should not exceed five minutes. Speaker cards are available from the District Secretary and should be completed and returned to the Secretary prior to addressing the Board. The President of the Board will recognize each speaker, at which time the speaker should proceed to the lectern, introduce him/herself, and then proceed with his/her comment.
6. REPORTS
 - 6.A. Reports by Staff
 - Event Calendar
 - Correspondence to and from the Board
 - 6.B. Joint Powers Authority and Committee Reports
 - 6.C. Agenda Management (consider order of items)
7. CONSENT CALENDAR

Matters listed under this item are considered routine and will be enacted by one Motion, in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board or the public prior to the time the Board votes on the Motion to adopt.

 - 7.A. Approve Regular Meeting Minutes of September 17, 2019
Recommended Action: Approve by Motion
 - 7.B. Affirm No Changes to Election and Rotation of Board Officers Policy
Recommended Action: Approve by Motion
 - 7.C. Affirm No Changes to Joint Powers Agency Rotation Policy
Recommended Action: Approve by Motion

8. BOARD BUSINESS

- 8.A. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists
Recommended Action: Approve by Motion
- 8.B. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists
Recommended Action: Approve by Motion
- 8.C. Approve Director Attendance at Monterey One Water Regional Treatment Plant Tour on October 4, 2019 and Dublin Chamber of Commerce State of the District Luncheon with Supervisor Scott Haggerty on October 10, 2019
Recommended Action: Approve by Motion
- 8.D. Public Hearing: Accept 2019 Report on Water Quality Relative to Public Health Goals
Recommended Action: Accept by Motion
- 8.E. Receive Presentation on the District Office Portico Mural and Provide Direction
Recommended Action: Receive Presentation and Provide Direction

9. BOARD MEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors
- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

10. CLOSED SESSION

- 10.A. Public Employee Performance Evaluation Pursuant to Government Code Section 54957
Title: General Manager
- 10.B. Public Employee Performance Evaluation Pursuant to Government Code Section 54957
Title: District General Counsel

11. REPORT FROM CLOSED SESSION

12. ADJOURNMENT

All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection at the front desk of the DSRSD Field Operations Facility at 7035 Commerce Circle, Pleasanton, during business hours, or by calling the District Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

**DUBLIN SAN RAMON SERVICES DISTRICT
MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS**

Item 7.A.

September 17, 2019

1. CALL TO ORDER

A regular meeting of the Board of Directors was called to order at 6:02 p.m. by President Misheloff.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting:

President Madelyne A. (Maddi) Misheloff, Vice President Edward R. Duarte, Director Ann Marie Johnson, Director Richard M. Halket, and Director Georgean M. Vonheeder-Leopold.

District staff present: Dan McIntyre, General Manager; Judy Zavadil, Engineering Services Manager/District Engineer; Jeff Carson, Operations Manager; Carl P.A. Nelson, General Counsel; and Nicole Genzale, Executive Services Supervisor/District Secretary.

4. SPECIAL ANNOUNCEMENTS/ACTIVITIES – None

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:03 p.m. No public comment was received.

6. REPORTS

6.A. Reports by Staff

- Event Calendar – General Manager McIntyre reported on the following:
 - o Monterey One Water will host a groundbreaking ceremony and tour for the first full-scale potable reuse project in Northern California. The Board can consider approving the training event as a day of service at the October 1 Board meeting if any Boardmembers are interested in attending.
 - o The California Special Districts Association is holding its annual conference September 25–28, 2019 in Anaheim.
- Correspondence to and from the Board on an Item not on the Agenda – None

6.B. Joint Powers Authority and Committee Reports

DSRSD/Central Contra Costa Sanitary District Liaison – September 4, 2019

President Misheloff invited comments on recent committee activities. Directors felt the available staff reports adequately covered the many matters considered at the committee meeting and made a few comments about some of the committee activities. Engineering Services Manager Zavadil provided a brief progress report on the wastewater diversion project which will provide a supplemental source for recycled water supply next spring.

6.C. Agenda Management (consider order of items) – No changes were made.

7. CONSENT CALENDAR

Director Halket MOVED for approval of the items on the Consent Calendar. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES.

7.A. Regular Meeting Minutes of September 3, 2019 – Approved

7.B. Accept Regular and Recurring Reports: Warrant List and Employee Reimbursements Greater than \$100 – Approved

8. BOARD BUSINESS

8.A. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

Engineering Services Manager Zavadil reviewed the item for the Board.

Director Vonheeder-Leopold MOVED to Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists. Vice President Duarte SECONDED the MOTION, which CARRIED with FIVE AYES.

8.B. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists

Operations Manager Carson reviewed the item for the Board. Upon Board inquiry of the budget outlook, he also reported that he will evaluate the estimated emergency repair costs for both facility phases (west side, which has been completed, and east side, which is in progress) to verify all repair work and costs have been identified and are within the DERWA Board's approved budget of \$1,000,000.

Vice President Duarte MOVED to Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES.

8.C. Receive Report on the HomeServe Agreement and Provide Direction

Customer Services Supervisor Galves reviewed the item for the Board. She also introduced Public Affairs Supervisor Sue Stephenson who reported that a May 2018 customer survey indicated DSRSD customer knowledge of water and sewer line responsibility was low, indicating HomeServe failed to provide the agreed upon customer education. She advised that staff is preparing a campaign to educate DSRSD customers about water and sewer lateral responsibilities.

The Board discussed the merits and concerns associated with the HomeServe agreement, and determined the District needs to enhance customer education regarding water and sewer line responsibilities.

Vice President Duarte MOVED that the District not Renew the HomeServe Agreement and Direct Staff to Design a Structured Customer Outreach Program to Reinforce the Customer Obligations for Water and Sewer Lines. Director Johnson SECONDED the MOTION, which CARRIED with FOUR AYES, and ONE NO (Vonheeder-Leopold).

The Board clarified that by this action, it directs staff to provide contact information for various contractors or insurers on the DSRSD website, and to send at least one direct mailer on this topic to customers. General Manager McIntyre stated that staff will make this information a featured topic in an upcoming customer newsletter that is mailed separately from customer billing.

9. BOARDMEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors

Director Vonheeder-Leopold submitted a written report to Executive Services Supervisor/District Secretary Genzale. She reported that she attended the California Special Districts Association Alameda Chapter meeting held at the East Bay Regional Park District in Oakland on September 11, 2019. She summarized the activities and discussions at the meeting.

Director Johnson submitted a written report to Executive Services Supervisor/District Secretary Genzale. She reported she attended the DSRSD/Central Contra Costa Sanitary District (Central San) Liaison Committee meeting on Wednesday, September 4, 2019 held at Central San in Martinez.

- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda – None

10. CLOSED SESSION

At 6:33 p.m. the Board went into Closed Session.

10.A. Public Employee Performance Evaluation Pursuant to Government Code Section 54957
Title: General Manager

11. REPORT FROM CLOSED SESSION

At 7:43 p.m. the Board came out of Closed Session. President Misheloff announced that there was no reportable action.

12. ADJOURNMENT

President Misheloff adjourned the meeting at 7:44 p.m.

Submitted by,

Nicole Genzale, CMC
Executive Services Supervisor/District Secretary



TITLE: Affirm No Changes to Election and Rotation of Board Officers Policy

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, affirmation of no changes to the Election and Rotation of Board Officers policy.

SUMMARY:

All District policies are reviewed on a rotating four-year cycle to ensure that they remain current and that the Board seated at that time continues to concur with that policy. Staff recently reviewed the Election and Rotation of Board Officers policy (P100-15-2) and recommends no changes.

For convenience of the Board, a copy of the current policy, with updated review history, is attached. The policy will be calendared for review in 2023, unless a revision is deemed necessary after the 2020 general District election. If the 2020 election results in three new Directors, the Board may wish to consider revising the policy before the annual selection of Board officers in December of 2021 to determine an order for the new Directors to advance into the office of Vice President then President.

Originating Department: Administrative Services	Contact: N. Genzale	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Election and Rotation of Board Officers policy	



Policy

Policy No. P100-15-2	Type of Policy: Board Business
Policy Title: Election and Rotation of Board Officers	
Policy Description: Election of Board President and Vice President on District Board	
Approval Date: 4/7/2015	Last Review Date: 2015 2019
Approval Resolution No.: 19-15	Next Review Date: 2019 2023
Rescinded Resolution No.: 45-04	Rescinded Resolution Date: 8/17/2004

It is the policy of the Board of Directors of Dublin San Ramon Services District:

1. The election of Board officers, (President, Vice President), shall take place annually: The President shall be elected first, the Vice President second, each by separate motion.
2. The election of Board officers shall occur on:
 - a. In an election year, at the first regular Board Meeting after elected Boardmembers are sworn in.
 - b. In a non-election year, at the first regular Board meeting in December.
3. The President and Vice President must have been elected to the Board of Directors rather than appointed.
4. Eligibility for the office of President and Vice President occurs twelve (12) months following first election to the Board of Directors. (Assuming continuous service since first election.)
5. PRESIDENT:
 - a. The Vice President is the President-elect under normal rotation.
 - b. The elected member who has served the longest on the Board (in continuous service) without ever serving as President and who meets the requirements Nos. 3 and 4 above, shall rotate to the Presidency.
 - c. If all elected members of the Board have been President, the elected member who has served the longest on the Board (in continuous service) since last being President, and who meets the requirements Nos. 3 and 4 above, shall rotate to the Presidency.

Policy No. ~~P100-15-2~~

Policy Title: Election and Rotation of Board Officers

6. VICE PRESIDENT:

- a. When the position of the President is filled the elected member next in line shall be rotated to the position of Vice President in accordance with criteria 6(b) and 6(c).
- b. The elected member of the Board of Directors who has served longest on the Board (in continuous service) without ever serving as President and who meets requirements Nos. 3 and 4 above, shall rotate to the Vice Presidency.
- c. If all elected members of the Board have been President, the elected member who has served the longest on the Board (in continuous service) since last being President, and who meets requirements Nos. 3 and 4 above, shall rotate to the Vice Presidency.

7. If no member meets criteria 3, 4, 5, or 3, 4, and 6, or if there are members whose eligibility criteria are the same, then succession shall be determined by which member has served longest on the Board (in continuous service). If a tie still exists, the elected member who received the greatest number of votes at their last election shall be given preference in the rotation.

Policy is current and no changes need to be adopted by the Board of Directors. <u>Status Quo Chronology:</u>	
Date Adopted:	
April 7, 2015	
Reviewed by Committee or Board:	Date:
Board	October 1, 2019



TITLE: Affirm No Changes to Joint Powers Agency Rotation Policy

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, affirmation of no changes to the Joint Powers Agency Rotation policy.

SUMMARY:

All District polices are reviewed on a rotating four-year cycle to ensure that they remain current and that the Board seated at that time continues to concur with that policy. Staff recently reviewed the Joint Powers Agency Rotation policy (P100-15-3) and recommends no changes.

For convenience of the Board, a copy of the current policy, with updated review history, is attached. The policy will be calendared for review in 2023.

Originating Department: Administrative Services	Contact: N. Genzale	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Joint Powers Agency Rotation policy	



Policy

Policy No. P100-15-3	Type of Policy: Board Business
Policy Title: Joint Powers Agency Rotation	
Policy Description: Rotational Policy for District Directors Serving on Joint Powers Agencies' Boards of Directors	
Approval Date: 4/7/2015	Last Review Date: 2015 2019
Approval Resolution No.: 20-15	Next Review Date: 2019 2023
Rescinded Resolution No.: 46-04	Rescinded Resolution Date: 8/17/2004

It is the policy of the Board of Directors of Dublin San Ramon Services District:

1. District Directors shall nominate, accept nomination, make seconds and vote in a manner that causes the result specified in this policy.
2. Except as provided herein, the District representatives to the board of a Joint Powers Agency (JPA) shall rotate between themselves the opportunity to hold the office of President (Chair) of the JPA board.
3. When two District Directors are concurrently appointed to a JPA board, that District Director with greater tenure on the District Board shall first serve, when the opportunity arises, as President (Chair) or in a position which leads to President (Chair) of the JPA board. When tenure is equal on the District Board, the District Director elected by the greater total vote count in the most recent District election in which they stood election shall first serve, when the opportunity arises, as President (Chair) or in a position which leads to President (Chair) of the JPA board.
4. In the event that one new representative of the District is appointed to a JPA board and in the further event that the remaining District representative to that JPA board has previously served as President (Chair) of that JPA board during that representative's current uninterrupted tenure on the District's Board, the new District representative shall first serve, when the opportunity arises, as President (Chair) or in a position which leads to President (Chair) of the JPA board. This shall apply provided that the new representative has served on the JPA Board for a period of at least one year at some time in the past when the opportunity arises.
5. In the event that one new representative of the District is appointed to a JPA board and in the further event that the remaining District representative to that JPA board has never served as President (Chair) of that JPA board, the remaining District representative shall first serve, when the opportunity arises, as President (Chair) or in a position which leads to President (Chair) of the JPA board.

Policy No. ~~P100-15-3~~

Policy Title: Joint Powers Agency Rotation

6. On a JPA board where the Vice President (Vice Chair), or any other officer, ascends to President (Chair) automatically or by policy or practice of that JPA board, this policy shall apply to the selection of Vice President (Vice Chair), or any other officer, of that JPA board.
7. The District Director in-line for the President (Chair) or Vice President (Vice Chair) in accordance with this policy may decline that office. In that case, the terms of this policy shall apply as to the second Director.
8. To the extent this policy does not result in the intended result due to the votes of other members of the JPA board, the District's representatives to the JPA shall report that outcome to the DSRSD Board.

Policy is current and no changes need to be adopted by the Board of Directors. <u>Status Quo Chronology:</u>	
Date Adopted:	
April 7, 2015	
Reviewed by Committee or Board:	Date:
Board	October 1, 2019



TITLE: Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, a continuation of the Emergency Action as declared in Board Resolution No. 53-18 and find that there exists a need for continuing the District Office flooding emergency which the Board last confirmed on September 17, 2019.

SUMMARY:

On Sunday, November 11, 2018, the District Office flooded due to a leak in the fire service line. The General Manager, as the District's Emergency Manager per the District's Emergency Response Plan policy, immediately proclaimed a District State of Emergency to reduce potential further property damage due to water exposure and to minimize the time to restore core business operations.

The District Office is closed for restoration and repair. Staff is requesting the Board of Directors find that there still exists a need for continuing the State of Emergency reflected by Board Resolution No. 53-18. Expedited action, including the emergency procurement of equipment, furnishings, services, supplies, and repairs, is necessary to bring about re-occupancy of the District Office by staff at the earliest opportunity, in order to restore normal operations and core services. Delay in restoration and repair will have an unacceptable adverse impact on the services provided by the District.

Further detail on the emergency and the current state of restoration is reflected in the attached staff report.

Originating Department: Engineering Services	Contact: J. Ching	Legal Review: Not Required
Cost: \$0	Funding Source: Insurance Claim	
Attachments: <input type="checkbox"/> None <input checked="" type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	12 of 28	

STAFF REPORT



District Board of Directors
October 1, 2019

Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

BACKGROUND

On Sunday, November 11, 2018, the District Office flooded due to a leak in the fire service line. The General Manager, as the District's Emergency Manager per the District's Emergency Response Plan policy, immediately proclaimed a District State of Emergency to reduce potential further property damage due to water exposure and to minimize the time to restore core business operations. As the Emergency Manager, the General Manager is charged with managing all emergency operations and making decisions to allocate resources and expend funds as necessary to meet the needs of the emergency.

Per the District's Purchasing policy, in case of an emergency and in accordance with Public Contract Code Section 22050, the General Manager may let contracts for any amount without giving notice for bids for repair or replacement of a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes. On November 20, 2018, the Board of Directors adopted Resolution No. 53-18 approving emergency action procurement by the General Manager for restoration of the District Office. Per the Public Contract Code, at every regularly scheduled meeting after the initial emergency action, the Board is to review and determine by a four-fifths vote, that there is a need to continue the emergency action.

DISCUSSION

RESTORATION AND RENOVATION UPDATE

Because the District Office is over 27 years old and much of the building systems and furnishing are original, staff recommended completing a building renovation along with the flood restoration work. On February 14, 2019, the Board approved an amendment to the Capital Improvement Program (CIP) to add the District Office Renovation Project (CIP 19-A005). In parallel, the District was in the midst of finalizing the design of a Boardroom renovation project, Board Meeting Audio/Video Improvements (CIP 16-A004). As a result of this timing, the District combined the flood restoration and the CIP renovation projects into one design and construction project. The restoration of the building will be paid for through an insurance claim, and the renovation work will be paid for through the CIP projects.

Through the emergency action procurement, the District can complete the work using an expedited design-build process. The District executed a task order with ID Architecture for architectural drawings and to provide an overall design and specification package for review by the City of Dublin. The District also issued a task order with Sausal Corporation for design-build services which included preparing mechanical, electrical, plumbing and safety system engineering drawings and specifications for the restoration and renovation work.

The District applied for a building permit on June 26, 2019. To address comments received from the City of Dublin, a revised set of drawings and specifications was submitted on July 31, 2019. The building permit was issued on August 23, 2019.

Sausal's not-to exceed cost estimate for the flood restoration work and the District CIP projects is \$4,060,700, including a \$250,000 contingency. The combined remaining budget of the CIP projects after design is approximately \$2,563,000. Staff is working closely with the insurance adjuster to segregate the costs between restoration and renovation work and anticipates the insurance reimbursement will cover the gap between the construction cost and the remaining budget. The insurance adjuster should provide the amount covered by insurance by early October. Construction is expected to be completed by February 2020.

NEED FOR CONTINUING EMERGENCY

The District Office is closed until further notice. Displaced District Office staff are now assigned to the Field Operations Facility. District administrative operations and customer service have been hampered in the following ways:

- The Board's customary meeting place for Board meetings is unavailable for use, inconveniencing the public who might wish to attend Board meetings;
- Customer service functions related to "in-person" bill payment have been suspended, because the Field Operations Facility where the Customer Services & Billing Division has been temporarily relocated to cannot accommodate in-person payment of water and sewer bills. Thus, one form of payment (in-person) is not available to the District's customers;
- There is minimal meeting space for staff for internal meetings, to meet with developer representatives and contractors, and to confer with other agency personnel;
- Natural work efficiencies are degraded with the Engineering Department, the Administrative Services Department, the Executive Services Division, and the Communications Division working in ad hoc work spaces at the Field Operations Facility;
- Many supervisory staff have lost use of their individual offices for confidential meetings pertaining to performance management, coaching, and recruiting; and
- Through relocation of some District staff to the Field Operations Facility Training Room, space for large group training activities has been lost. Moreover, meeting space for regional meetings has been lost (neither the Boardroom nor the Field Operations Facility Training Room are available).

Based on the above consequences of the District Office being closed for restoration and repair, staff is requesting the Board of Directors find that there still exists a need for continuing the State of Emergency reflected by Board Resolution No. 53-18. Expedited action, including the emergency procurement of equipment, furnishings, services, supplies, and repairs, is necessary to bring about re-occupancy of the District Office by staff at the earliest opportunity, in order to restore normal operations and core services. Delay in restoration and repair will have an unacceptable adverse impact on the services provided by the District.

RECOMMENDATION

Staff recommends the Board of Directors approve, by Motion, a continuation of the State of Emergency as declared by Board Resolution No. 53-18 and find that there exists a need for continuing the District Office flooding emergency which the Board confirmed at the previous regularly scheduled meeting on September 17, 2019. A four-fifths vote by the Board of Directors is required to continue the State of Emergency.



TITLE: Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, a continuation of the Emergency Action as declared in Board Resolution No. 16-19 and find that there exists a need for continuing the electrical power supply failure emergency at the Jeffrey G. Hansen Water Recycling Plant which the Board last confirmed on September 17, 2019.

SUMMARY:

On Sunday, April 7, 2019, a catastrophic power supply failure occurred at the Jeffrey G. Hansen Water Recycling Plant due to a ground fault in the external electrical bus ducting connection the main transformer to switchgear in Building M (also known as west cable bus duct). This loss of power primarily affected the Effluent Pumps (EPS2), the Tertiary Influent Pumps (TIPS), the recycled water ballasted flocculation and sand filters, and supervisory control and data acquisition (SCADA) equipment in Building M, reducing production output from the water recycling plant by approximately 80 percent.

At a special Board meeting on April 16, 2019, the DERWA Board of Directors authorized emergency actions and expenditures necessary to make all repairs, up to \$1,000,000.

The east cable bus duct concrete pad for the new transformer termination enclosure is complete. Staff relocated a conduit and an exterior light fixture that would have interfered with the installation of the cable bus duct. Staff performed three electrical shutdowns to allow contractor D.W. Nicholson to perform work in the microfiltration/ reverse osmosis building's motor control center. The wire pull and tie-in have been completed and the power feeder cables are now ready to power up the east side of the plant. All concrete and asphalt repair work has been completed. Staff issued a purchase order to Platt Electric for the procurement of the cable and connectors. The supply breaker for the newly installed cables was sent out for testing by Pacific Power Testing and returned passing all tests. Staff is now preparing for final connections, tests, and required safety labeling. The schedule for the November shutdown and the purchase order costs for contractor work are still on target.

To date, District staff has logged 645.5 hours of labor for this emergency. Purchase orders in the amount of \$718,132 have been issued to date, of which \$349,779 have been spent to date. These will be DERWA costs allocated to the DERWA partners. Attachment 1 provides the cost summary in detail.

A four-fifths vote is necessary to extend the emergency.

Originating Department: Operations	Contact: J. Carson	Legal Review: Not Required
Cost: \$718,132 expenses + \$113,426 staff labor	Funding Source: Water Replacement (Fund 610)	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Summary of Expenses to Date	
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DERWA EMERGENCY - SUMMARY OF EXPENSES TO DATE - 9/16/2019

Attachment 1 to S&R

VENDOR	DESCRIPTION	PO AMOUNT	PAID TO DATE
TJC AND ASSOCIATES, INC.	DERWA Recycled Water Treatment Facility Repair: Task Order No. 1 to Agreement dated 5/16/19 for Structural and Electrical Engineering Support for Emergency Bus Duct Replacement	\$17,846.50	\$10,937.04
PLATT ELECTRIC SUPPLY	DERWA EMERGENCY: PARTS & CABLES FOR NEW POWER FEEDS	\$10,961.12	\$0.00
HART HIGH-VOLTAGE	TESTING OF XFMR-6, REPLACEMENT OF THE MED VOLTAGE FUSES IN MVS-6A & B & OIL SAMPLE TESTING; TAX & FREIGHT NOT INCLUDED	\$4,854.60	\$4,854.60
D. W. NICHOLSON	DERWA EMERGENCY REPAIR: 06T001, 3200A CABLE-BUS SYSTEM INSTALLATION (WEST CABLE BUS)	\$100,217.00	\$84,673.52
D. W. NICHOLSON	REPLACE THE EXISTING BUS DUCT INTERCONNECT BETWN XFMR-7 AND DPN (EAST CABLE BUS)	\$213,496.00	\$0.00
D. W. NICHOLSON	INSTALL NEW DUCT BANK AND FEEDER FROM SWITCHGEAR SG-1 TO BLDG N	\$121,439.00	\$0.00
PETERSON POWER SYSTEMS INC.	RENTAL GENERATOR FOR THE DERWA EMERGENCY	\$245,770.40	\$245,767.05
TOTALS		\$714,584.62	\$346,232.21

In addition, invoices related to the DERWA emergency have been paid under existing blanket purchase orders.

VENDOR	DESCRIPTION	INVOICE AMOUNT	PAID TO DATE
PLATT ELECTRIC SUPPLY	DERWA EMERGENCY PARTS AND MATERIALS	\$1,492.02	\$1,492.02
AMERICAN METALS	DERWA EMERGENCY PARTS AND MATERIALS	\$199.02	\$199.02
MAAS BROTHERS POWDER COAT INC.	BLDG M EMERGENCY SWITCHGEAR PROJECT	\$250.00	\$250.00
RICHERT LUMBER	CRIBBING FOR EMERGENCY GENERATOR	\$415.03	\$415.03
GRAINGER, INC.	HEATER FOR OUTDOOR XFMR ENCLOSURE & INFARED INSPECTION WINDOW	\$1,191.27	\$1,191.27
TOTALS		\$3,547.34	\$3,547.34

\$718,131.96	\$349,779.55
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Total Cost to Date	Actual Spent
Not including labor	

Staff labor hours logged in to date:	645.5 hours	\$113,426.25
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LABOR HOURS

Employee	Position	Rate	Hours	Total
ATENDIDO, MAURICE	SENIOR ELECTRICAL ENGINEER-SUPERVISORY	\$244.86	22	\$5,386.92
BAKER, RUSSELL	SENIOR MECHANIC-CRANE CERTIFIED	\$179.16	1	\$179.16
CARSON, JEFFREY	OPERATIONS MANAGER	\$186.02	70	\$13,021.40
CASTRO, AARON	PROCESS LEAD OPERATOR IV	\$168.38	4	\$673.52
FREITAS, RONALD	FLEET MECHANIC	\$153.97	5	\$769.85
FULLER, LEVI	WASTEWATER TREATMENT PLANT OPERATIONS SUPERVISOR	\$267.24	27.5	\$7,349.10
HENDRYX, JEREMY	WATER/WASTEWATER SYSTEMS OPERATOR IV	\$156.05	4	\$624.20
JOHNSON, BRIAN	ELECTRICIAN II	\$161.39	254	\$40,993.06
LANKFORD, JUSTIN	MECHANIC I	\$144.47	2	\$288.94
LEONARDO, DANIEL	WATER/WASTEWATER SYSTEMS LEAD OPERATOR	\$208.12	4	\$832.48
LOHMAN, WILLIAM	ELECTRICIAN II	\$161.39	2	\$322.78
LOPEZ, DANIEL	ASSOCIATE CIVIL ENGINEER - SUBJECT MATTER EXPERT	\$145.58	13	\$1,892.54
LOPEZ, ISIDRO	MECHANIC II	\$158.89	2	\$317.78
MARTIN, DANIEL	WATER/WASTEWATER SYSTEMS OPERATIONS & MAINTENANCE SUPERVISOR	\$260.08	3	\$780.24
PARIERA, ERVIN	SENIOR ELECTRICIAN	\$177.53	161	\$28,582.33
PETTINICHIO, DAN	WATER/WASTEWATER SYSTEMS OPERATOR IV	\$156.05	4	\$624.20
PEZZONI, CHRISTOPHER	MECHANIC I	\$144.47	1.5	\$216.71
RAMOS, JOSE	ELECTRICIAN II	\$161.39	2	\$322.78
STODDARD, TODD	ELECTRICIAN II	\$161.39	63.5	\$10,248.27
Grand Total			645.5	\$113,426.25



TITLE: Approve Director Attendance at Monterey One Water Regional Treatment Plant Tour on October 4, 2019 and Dublin Chamber of Commerce State of the District Luncheon with Supervisor Scott Haggerty on October 10, 2019

RECOMMENDATION:

In accordance with the District's Day of Service policy, the Board may approve, by Motion, Director attendance at the following events:

1. Monterey One Water Regional Treatment Plant Tour on October 4, 2019, as a participant of an organized educational activity
2. Dublin Chamber of Commerce State of the District Luncheon with Supervisor Scott Haggerty on October 10, 2019, as a representative of the District

SUMMARY:

Pursuant to Government Code Section 61047, part of the Community Services District Law, only representation of the District at certain public meetings, public events, and training programs qualify for a day of service. The Day of Service policy (P100-19-2) lists activities and events pre-approved by the Board as eligible for day of service compensation. When an activity or event is not on the pre-approved list, a Director may attend without compensation or may seek Board approval at a Board meeting held prior to the activity or event.

The activities or events described herein are not on the pre-approved list, and thus, the Board must approve these events at this Board meeting in order for attendance by one or more Directors to be deemed a day of service eligible for compensation.

On October 4, 2019, Monterey One Water is hosting the Pure Water Monterey Ribbon Cutting & Celebration for the unveiling of its groundwater replenishment project, the first full-scale potable reuse project in northern California. While the private ceremony, lunch, and festivities are ineligible for compensation, the tour of the Monterey One Water Regional Treatment Plant qualifies for compensation as it provides a training and educational opportunity for the Board to learn more about potable reuse.

Then on October 10, 2019, Alameda County Supervisor Scott Haggerty will be delivering the State of District 1 address at a public event hosted by the Dublin Chamber of Commerce in Dublin. He will speak on Alameda County regional initiatives, including infrastructure, transportation, economic development and housing.

If an attending Director(s) is interested in receive compensation for attending either or both events, he or she must submit a written report at the October 15, 2019 Board meeting, the next Board meeting following the qualifying activity or event as required by Government Code Section 61047 and the Day of Service policy.

Originating Department: Office of the General Manager			Contact: D. McIntyre	Legal Review: Yes
Cost: \$146 per day of service per Director			Funding Source: Administrative Overhead (Fund 900)	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)			Attachment 1 – Pure Water Monterey Project Ribbon Cutting & Celebration Announcement Attachment 2 – State of the District Luncheon Registration Form	
			17 of 28	



**4TH
OCT**

**11
AM**

JOIN US TO CELEBRATE . . .

THE FUTURE OF WATER

18 of 28

RIBBON CUTTING & CELEBRATION



MONTEREY ONE WATER

5 Harris Court, Bldg D
Monterey, CA 93940

You are invited to the unveiling of Monterey County's new water resource and the first full-scale potable reuse project in Northern California

Pure Water Monterey

A Groundwater Replenishment Project

FRIDAY, OCTOBER 4, 2019

11:00 a.m. Ceremony

12:15 p.m. Lunch, Festivities & Tours

MONTEREY ONE WATER

Regional Treatment Plant

14811 Del Monte Blvd, Marina, CA 93933

RSVP

This is a private event. Please respond by **FRIDAY, SEPTEMBER 27** at:

purewatermonterey.com/rsvp

purewatermonterey.org

Dublin

CHAMBER OF COMMERCE



Supervisor Scott Haggerty



Dublin Chamber of Commerce presents

State of the District Luncheon

Supervisor Scott Haggerty

**DELIVERS THE STATE OF
DISTRICT 1, ALAMEDA COUNTY**

Thursday, October 10, 2019

Shannon Community Center
11600 Shannon Avenue, Dublin

11:30 am Networking
12:00 noon Lunch Served

\$45.00
Per Person (Member)

\$55.00
Per Person (Non-Member)

\$600.00
Table Sponsor of Eight
(Includes table sign and
recognition at event)

CORPORATE SPONSORS



ValleyCare

RESERVATIONS REQUIRED:

Please fax, e-mail, or mail your reservation with payment to the Dublin Chamber of Commerce office by October 2, 2019

Please reserve: _____ Individual @ \$45 each _____ Table of eight @ \$600 _____ Number of Vegetarian Meals

Business: _____

Address/City/State Zip: _____

Contact: _____

Phone: _____

E-mail: _____

☐ Check Enclosed

Please charge my Credit Card:

- ☐ Visa
☐ Mastercard
☐ American Express

Credit Card #: _____

Name on Card: _____

Expires: _____ CVC Code: _____

Signature: _____

Dublin Chamber of Commerce

7080 Donlon Way, Suite 110
Dublin, CA 94568
(925)828-6200

Fax reservation to:
FAX: (925) 828-4247

E-mail reservation to:
info@dublinchamberofcommerce.org

Reservation can also be made online:
<http://bit.ly/StateoftheDistrict>



CHAIRMAN'S LEVEL



PLATINUM LEVEL



GOLD LEVEL



SILVER LEVEL





TITLE: Public Hearing: Accept 2019 Report on Water Quality Relative to Public Health Goals

RECOMMENDATION:

Staff recommends the Board of Directors hold a public hearing to receive comments on the 2019 Report on Water Quality Relative to Public Health Goals, and, by Motion, accept the report, after consideration of comments.

SUMMARY:

The California Health and Safety Code Section 116470 requires water utilities with more than 10,000 service connections to prepare a special report every three years if constituents in their drinking water have exceeded any Public Health Goals (PHGs). PHGs are non-enforceable goals set by the California Office of Environmental Health Hazard Assessment (OEHHA), a division of the California Environmental Protection Agency (Cal-EPA). If OEHHA has not adopted a PHG for a drinking water constituent, the law requires water utilities to use the Maximum Contaminant Level Goal (MCLG) adopted by the United States Environmental Protection Agency (USEPA).

If a constituent is detected in a water utility's drinking water at a level exceeding an applicable PHG (or MCLG), the report must provide the following information:

- The numerical public health risk associated with the Maximum Contaminant Level (MCL) and the PHG or MCLG, if possible to quantify
- The category or type of health risk that could be associated with each constituent
- The best treatment technology available that could be used to reduce the level of the constituent in the drinking water
- An estimate of the cost to install that treatment if it is appropriate and feasible

A PHG represents a level of concentration of a constituent that would not cause significant adverse health effects in people who drink that water every day for 70 years. OEHHA must also consider any evidence of immediate and severe health effects when setting the PHG. For cancer-causing chemicals, OEHHA typically establishes the PHG at the "one-in-one million" risk level. At that level, not more than one person in a population of one million people drinking the water daily for 70 years would be expected to develop cancer as a result of exposure to that chemical. PHGs are based solely on public health risk. In setting PHGs, OEHHA does not consider any of the practical risk-management factors used by the USEPA and the California Division of Drinking Water when it sets the MCLs in enforceable drinking water standards. These practical factors include the capability to detect and analyze constituents at very low levels, technologies available to reduce constituents to these levels, and the benefits and costs of doing so. PHGs are not enforceable, and no public water systems are required to meet them.

DSRSD's water distribution system meets all federal and state drinking water standards. However, the following constituents were detected in the DSRSD drinking water distribution system at levels above the PHG (or MCLG) for Total Coliform Bacteria, Escherichia coli bacteria, lead, copper, uranium, and fluoride. These exceedances are discussed in the attached public health goals report, which has been made available to the public from September 16, 2019, through October 1, 2019, for written comments by 5 p.m. on the day of the public hearing on October 1, 2019. The law requires that water systems exceeding the PHG hold a public hearing for the purpose of accepting and responding to public comment on the report. No comments have been received on the report to date.

Originating Department: Operations	Contact: J. Carson	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – 2019 Report on Water Quality Relative to Public Health Goals	



2019 Report on Water Quality Relative to Public Health Goals

Background

The California Health and Safety Code¹ requires water utilities with more than 10,000 service connections to prepare a special report every three years if constituents in their drinking water have exceeded any Public Health Goals (PHGs). PHGs are non-enforceable goals set by the California Office of Environmental Health Hazard Assessment (OEHHA), a division of the California Environmental Protection Agency (Cal-EPA). If OEHHA has not adopted a PHG for a drinking water constituent, the law requires water utilities to use the Maximum Contaminant Level Goal (MCLG) adopted by United States Environmental Protection Agency (USEPA). This report addresses only constituents that have a California primary drinking water standard (a Maximum Contaminant Level, MCL) and either a PHG or MCLG.² The current report is due by July 1, 2019.

If a constituent was detected in the district's water supply between 2016 and 2018 at a level exceeding an applicable PHG or MCLG, this report provides the following information required by law:

- The numerical public health risk associated with the MCL and the PHG or MCLG, if possible to quantify
- The category or type of health risk that could be associated with each constituent
- The best treatment technology available that could be used to reduce the level of the constituent in our drinking water
- An estimate of the cost to install that treatment if it is appropriate and feasible

Public Health Goals

A Public Health Goal represents a level of concentration of a constituent that poses no significant health risk if consumed over a lifetime. PHGs are based solely on public health risk. In setting PHGs, OEHHA does not consider any of the practical risk-management factors used by the USEPA and the California Division of Drinking Water when they set enforceable drinking water standards (MCLs). These practical factors include the capability to detect and analyze constituents at very low levels, technologies available to reduce constituents to these levels, and the benefits and costs of doing so. PHGs are not enforceable, and no public water systems are required to meet them. MCLGs are the federal equivalent to PHGs.

Water Quality Data

DSRSD considered all of the water quality data collected for the district's water system between 2016 and 2018 for the purpose of determining compliance with drinking water standards. This data is summarized in our 2016, 2017, and 2018 Annual Water Quality Reports.³

Report Guidelines

The Association of California Water Agencies (ACWA) formed a workgroup that prepared guidelines for water utilities to use in preparing the required report. DSRSD staff used the ACWA guidelines to prepare this report. No guidance was available from state regulatory agencies.

Treatment Technologies and Estimated Costs

Both the USEPA and California Division of Drinking Water adopt what are known as Best Available Technologies. These are the best known methods of reducing contaminant levels to the MCL. Costs can be estimated for using such technologies. However, many PHGs and all MCLGs are set much lower than the MCL. It is not always possible or feasible to determine a treatment that could reduce the level of a constituent down to the level of PHG or MCLG, many of which are set at zero. Estimating the cost to reduce a constituent to zero is difficult, if not impossible, because it is not possible to verify by analytical means that the level has been lowered to zero. In some cases, installing treatment to try and further reduce very low levels of one constituent may adversely affect other aspects of water quality.

Constituents that Exceeded a PHG or MCLG

The following constituents were detected in our drinking water distribution system at levels above the PHG or MCLG.

Total Coliform Bacteria

During 2016, 2017, and 2018, the District collected 80 to 127 samples each month for coliform analysis. Coliform bacteria exceeded the MCLG of zero percent positive in 12 of the 36 months. Of these twelve, two exceeded the MCL of 5% in September 2016 with 6.1% and November 2016 with 7.4%. Results for the three years covered by this report are summarized below:

2016: Seven months with total coliform positive samples;
The highest monthly percentage of positives was 7.4%

2017: Three months with total coliform positive samples;
The highest monthly percentage of positives was 3.1%

2018: Two months with total coliform positive samples;
The highest monthly percentage of positives was 1.1%

Health risk category: Regulators created the coliform drinking water standard (MCL) to minimize the possibility of pathogens in tap water. Pathogens are organisms that cause waterborne disease. Coliform bacteria are not pathogens; rather they are surrogate indicators of the potential presence of pathogens. It is not possible to state a specific numerical health risk for coliform. While USEPA normally sets MCLGs "at a level where no known or anticipated adverse effects on persons would occur," they indicate they cannot do so with coliforms.

Coliform bacteria are ubiquitous in nature and are not generally considered harmful. Laboratories use them as indicator organisms because they are easy to monitor and analyze. If a positive sample is found, it indicates a potential problem that needs to be investigated through follow-up sampling. It is not unusual for a water system to have an occasional positive sample. It is difficult, if not impossible, to assure a system will never have a positive sample.

Best available treatment technology: DSRSD's wholesale water provider, Zone 7 Water Agency, adds chloramine at the source to assure the water is microbiologically safe. DSRSD may add supplemental chloramine to boost the chlorine residual within its water distribution system. DSRSD carefully controls chloramine residual levels to provide the best health protection without causing undesirable taste and odor or increasing the level of disinfection byproducts. DSRSD and Zone 7 carefully balance treatment processes to continue supplying safe drinking water.

We use other equally important measures to prevent waterborne disease, including: implementing an effective cross-connection control program, maintaining disinfectant residual throughout our system, flushing water main dead ends, and maintaining positive pressures in our distribution system. DSRSD has already taken all of the steps described by the Division of Drinking Water as best available technology for coliform bacteria in the California Code of Regulations, Section 64447, Title 22.

Escherichia coli (E. coli) Bacteria

When samples test positive for total coliform bacteria, *E. coli* analysis is conducted. *E. coli* are bacteria found in the environment, foods, and intestines of people and animals. *E. coli* are a large and diverse group of bacteria. In 2016 and 2018, no *E. coli* were detected. In 2017, *E. coli* was found to be present in two samples. Although the MCL was not exceeded, the MCLG of zero positive samples was exceeded.

Health risk category: Most *E. coli* are harmless and actually are an important part of a healthy human intestinal tract. However, some *E. coli* are pathogenic, meaning they can cause illness, such as diarrhea, urinary tract infections, respiratory illness and pneumonia, or other illnesses. The types of *E. coli* that can cause diarrhea can be transmitted through contaminated water or food, or through contact with animals or persons.

Best available treatment technology: Exceeding zero *E. coli* bacteria at any one time, in and of itself, does not normally constitute the need for any treatment or action. There is no action that could be taken with absolute certainty that could ensure that the system would always have zero-percent *E. coli* every single time. The same measures to control the overgrowth of total coliform bacteria are used to prevent *E. coli* growth. As described above, DSRSD has implemented steps to ensure the potential for *E. coli* growth is minimized.

Fluoride

DSRSD has detected fluoride at levels up to 1.1 milligrams per liter (mg/L) in the water supplied through our distribution system. The state of California MCL is 2.0 mg/L and the PHG is 1.0 mg/L. Our water system is in full compliance with the federal and state drinking water standards for fluoride, but the fluoride level in the system at times exceeds the PHG.

Health risk category: Some people who drink water containing fluoride above the MCL over many years may experience tooth mottling or dental fluorosis. This is why regulators adopted a drinking water standard for fluoride.

Best available treatment technology: DSRSD adds fluoride to assure our water provides optimal dental health. Fluoride's effect is topical. Small amounts of fluoride maintained in the mouth in saliva and dental plaque keeps tooth enamel strong by preventing the loss of important minerals. DSRSD carefully controls fluoride levels to provide the best protection for dental health without causing undesirable health risks. In addition, the district routinely maintain the pumps that inject fluoride throughout our system and flush water mains in our distribution system.

Lead and Copper

Currently, regulators have not established MCLs for lead or copper. Instead, regulations require that the 90th percentile value of all samples collected from a predetermined number of household taps in the distribution system not exceed an Action Level. The Action Level for lead is 15 parts per billion (ppb). The PHG for lead is 0.2 ppb. The Action Level for copper is 1.3 mg/L. The PHG for copper is 0.3 mg/L. Regulators require DSRSD to test tap water samples from selected homes for lead and copper every three years. In water samples collected in 2016, the 90th percentile value for lead was 3 ppb, which is below the Action Level of 15 ppb but over the PHG of 0.2 ppb. The 90th percentile value for copper was 0.37 mg/L, which is below the Action level of 1.3 mg/L but over the PHG of 0.3 mg/L.

Health risk category: The category of health risk for lead includes chronic toxicity (adverse effects that usually develop gradually from low levels of chemical exposure over a long period of time—months to years). The cancer risk cannot be calculated at this time by OEHHA, the state agency responsible for providing that information.

The California Division of Drinking Water, which sets drinking water standards, has determined that copper is a health concern at certain exposure levels. A reddish brown metal, copper is often used to plumb residential and commercial structures that are connected to water distribution systems. Copper can contaminate drinking water as a byproduct of corrosion that occurs when copper pipes remain in contact with water for a prolonged period of time. Copper is an essential nutrient, but at high doses it has been shown to cause stomach and intestinal distress, liver and kidney damage, and anemia.

The PHGs for lead and copper are set at levels believed to cause no significant public health risk to individuals exposed to these metals over a lifetime.

Best available treatment technology: The DSRSD water system is in full compliance with the federal and state *Lead and Copper Rule*. Samples the district analyzed according to regulatory requirements have been below the Action Levels for lead and copper since 2001. The California Division of Drinking Water reviewed past residential tap results and determined that DSRSD meets “optimized corrosion control” requirements for both constituents.

In general, optimizing corrosion control is considered to be the best available technology to deal with corrosion issues and with any lead or copper findings above Action Levels. Zone 7 continues to monitor water quality parameters related to corrosivity, which include pH, hardness, alkalinity and total dissolved solids. DSRSD, in cooperation with Zone 7, maintains system conditions for “optimized corrosion control.”

Since the district, in cooperation with Zone 7, is meeting requirements for “optimized corrosion control,” it is not prudent to initiate additional corrosion control treatment at this time to lower the lead level. These treatments would involve adding other chemicals, which could raise additional water quality issues. Therefore, we have not included a cost estimate for additional treatment.

Uranium

The PHG for uranium is 0.43 picoCuries per liter (pCi/l) and the MCL is 20 pCi/l. Uranium is a naturally occurring metallic element which is weakly radioactive and is ubiquitous in the earth’s crust. Uranium is found in ground and surface waters due to its natural occurrence in geological formations. The average uranium concentrations in surface and ground water are not detected and 1 pCi/l respectively. The uranium intake from water is about equal to the total from other dietary components.

Uranium was below the MCL for all water sources at all times during the period covered in this report, however four of five groundwater sources in the Zone 7 production fields exceeded the PHG at least once during this period. Uranium results for the period covered by this report ranged from non-detect to a high of 4.0 pCi/l in the water supplied by the various well fields. Annual averages for the water coming from groundwater also ranged from non-detect to 4.0 pCi/l for calendar years 2016 - 2018.

Health risk category: The category for health risk associated with uranium is that people who drink water containing uranium above the MCL for many years could experience an increased cancer risk. OEHHA has determined that the numerical cancer risk for uranium at the PHG level is 1×10^{-6} , or one additional theoretical cancer cases in one million people drinking two liters of water a day for 70 years.

Best available treatment technology: The available treatment technologies for uranium are ion exchange, reverse osmosis (RO), lime softening, and coagulation/filtration. The most effective treatment system to consistently remove uranium to the PHG is RO treatment installed at the select groundwater and surface water connection sites where the water exceeds the PHG. Since the levels are already well below the MCL, reverse osmosis would likely be required to attempt to reduce the levels to below the PHG. Please note that accurate cost estimates are difficult, if not impossible, and are highly speculative and theoretical. All costs including annualized capital, construction, engineering, planning, environmental, contingency, and O&M are included, but only very general assumptions can be made for most of these items. Costs estimating guides from the Association of California Water Agencies (ACWA) guidance report were used in determining the estimated cost to implement the BAT.

According to the ACWA Cost Estimates for Treatment Technology BAT, to install and operate an RO system would cost approximately \$3.24 - \$7.33 per 1,000 gallons of water treated. The estimated annualized capital and operation and maintenance costs, based on the current wellfield average of 5.0 million gallons per day, to install and operate reverse osmosis systems would be between \$6 million and \$13.5 million/year for the life of the system. The cost per customer service connection could range from \$85 to \$192 per year. There would be additional costs for water conditioning to ensure water treated by reverse osmosis is optimized for distribution system corrosion control.

Recommendations for Further Action

The drinking water within the DSRSD distribution system meets all quality standards set by the California Division of Drinking Water and USEPA to protect public health. It would require additional costly treatment processes to further reduce the levels of the constituents identified in this report, which are already significantly below the health-based Maximum Contaminant Levels established to provide “safe drinking water.” It is uncertain if additional treatment processes could effectively reduce constituent levels, which are already low. The health protection benefits of these further hypothetical reductions are not at all clear and may not be quantifiable. Therefore, no action is proposed.

References

1. California Health & Safety Code, Section 116470 (b), accessed July 1, 2019, http://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=116470&lawCode=HSC
2. “MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants,” California State Water Resources Control Board Division of Drinking Water, last updated March 13, 2019, https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/mclreview/mcls_dlr_phgs.xls
3. Dublin San Ramon Services District’s 2016, 2017 and 2018 Annual Water Quality Reports, accessed on July 1, 2019, <https://www.dsrds.com/about-us/library/environmental-permits-monitoring-reports>



TITLE: Receive Presentation on the District Office Portico Mural and Provide Direction

RECOMMENDATION:

Staff recommends the Board of Directors receive a presentation on the District Office portico mural and provide direction.

SUMMARY:

Staff has approached muralist Darren Greenwood to paint a mural on the District Office portico ceiling and the insides of the four portico pillars which surround and shield the main entrance. The theme of the mural is *Oscar the Otter and Friends*. Standing within the portico, it is as if one is in Oscar the Otter's home, under the surface of the water with lots of fish, starfish, sea urchins, and otters cavorting about. At the apex of the ceiling, the mural breaks above the surface of the water.

In addition to contributing to art in the City of Dublin, this mural will serve as a learning tool. Discreetly buried among the seaweed will be pollutants: gum wrapper, soda can, juice box, cigarette butts, pull tabs (from soda cans), plastic straw, candy wrapper, granola bar wrapper, plastic bag, wet wipes, plastic water bottle, banana produce sticker, plastic netting produce bag, and plastic rings that carry six-packs of beverages. Public Affairs staff will produce a handout that will challenge visitors to see if they can find all the human trash that is polluting Oscar's home.

Staff will bring a three-dimensional draft model of the mural to show the Board.

Originating Department: Office of the General Manager	Contact: S. Stephenson	Legal Review: Not Required
Cost: \$35,000	Funding Source: Regional Sewer Operations (Fund 300)	
Attachments: <input checked="" type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	28 of 28	