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Danita Hirsh, Assistant Secretary  
SOCWA and the Board of Directors thereof

*Regular Meeting of The  
South Orange County Wastewater Authority  
Board of Directors*

February 1, 2024  
8:30 a.m.

PHYSICAL MEETING LOCATION:  
South Orange County Wastewater Authority  
34156 Del Obispo Street  
Dana Point, CA 92629

THE BOARD OF DIRECTORS MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST SUCH ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. MEMBERS OF THE PUBLIC HAVE THE OPTION TO PARTICIPATE IN AND MAY JOIN THE MEETING REMOTELY VIA VIDEO CONFERENCE FOR VISUAL INFORMATION ONLY (USE ZOOM LINK BELOW) AND BY TELECONFERENCE FOR AUDIO PARTICIPATION (USE PHONE NUMBERS BELOW). THIS IS A PHONE-CALL MEETING AND NOT A WEB-CAST MEETING, SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. FOR PARTIES PARTICIPATING REMOTELY, PUBLIC COMMENTS WILL BE TAKEN DURING THE MEETING FOR ORAL COMMUNICATION IN ADDITION TO PUBLIC COMMENTS RECEIVED BY PARTIES PARTICIPATING IN PERSON. COMMENTS MAY BE SUBMITTED PRIOR TO THE MEETING VIA EMAIL TO ASSISTANT SECRETARY DANITA HIRSH AT [DHIRSH@SOCWA.COM](mailto:DHIRSH@SOCWA.COM) WITH THE SUBJECT LINE "REQUEST TO PROVIDE PUBLIC COMMENT." IN THE EMAIL, PLEASE INCLUDE YOUR NAME, THE ITEM YOU WISH TO SPEAK ABOUT, AND THE TELEPHONE NUMBER YOU WILL BE CALLING FROM SO THAT THE COORDINATOR CAN UN-MUTE YOUR LINE WHEN YOU ARE CALLED UPON TO SPEAK. THOSE MAKING PUBLIC COMMENT REQUESTS REMOTELY VIA TELEPHONE IN REAL-TIME WILL BE ASKED TO PROVIDE YOUR NAME, THE ITEM YOU WISH TO SPEAK ABOUT, AND THE TELEPHONE NUMBER THAT YOU ARE CALLING FROM SO THE COORDINATOR CAN UNMUTE YOUR LINE WHEN YOU ARE CALLED UPON TO SPEAK. ONCE THE MEETING HAS COMMENCED, THE CHAIR WILL INVITE YOU TO SPEAK AND ASK THE COORDINATOR TO UNMUTE YOUR LINE AT THE APPROPRIATE TIME.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY ADMINISTRATIVE OFFICE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE") OR BY PHONE REQUEST MADE TO THE AUTHORITY OFFICE AT 949-234-5452. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS AND SENT TO ANY REMOTE PARTICIPANTS REQUESTING EMAIL DELIVERY OR POSTED ON SOCWA'S WEBSITE. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE MEETING ROOM OR IMMEDIATELY UPON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES PARTICIPATING REMOTELY.

**THE PUBLIC MAY PARTICIPATE REMOTELY BY VIRTUAL MEANS. FOR AUDIO OF MEETING USE THE CALL IN PHONE NUMBERS BELOW AND FOR VIDEO USE THE ZOOM LINK BELOW.**

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Agenda

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ORAL COMMUNICATIONS

*Members of the public may address the board regarding an item on the agenda or may reserve this opportunity during the meeting at the time the item is discussed by the board. There will be a three-minute limit for public comments.*

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

ACTION Board Discussion/Direction and Action.

PAGE NO

5. CONSENT CALENDAR

A. Minutes of Board of Directors..... 1

- Board of Directors Special Meeting of January 11, 2024

ACTION The Board will be requested to approve the subject Minutes.

B. Minutes of Finance Committee ..... 5

- Finance Committee Meeting of December 1, 2023

ACTION The Board will be requested to receive and file the Minutes.

C. Minutes of Engineering Committee ..... 8

- Engineering Committee Meeting of November 9, 2023

ACTION The Board will be requested to receive and file the Minutes.

D. Operations Report (December)..... 11

1. Monthly Operational Report
2. SOCWA Ocean Outfall Discharges by Agency
3. Quarterly Report on Key Operational Expenses
4. Beach Ocean Monitoring Report
5. Recycled Water Report
6. Pretreatment Report (January/February)

ACTION The Board will be requested to receive and file subject reports as submitted.

E. Capital Improvement Program Status Report (January) ..... 61

ACTION Information item.

Agenda

F. Capital Improvement Construction Projects Progress Report (January)  
[Project Committees 2 and 15] ..... 64

ACTION Information Item.

6. ENGINEERING MATTERS

A. Contract Award for Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall  
Ballast Maintenance [Project Committees 5 and 24] ..... 68

ACTION The Engineering Committee recommends the following actions:

- a. The PC 24 Board of Directors approve a budget amendment for Project Number 342410 (ACOO Ballast Repair) to increase the budget by \$30,000 to \$280,000, and
- b. The PC 5 and PC 24 Board of Directors: i. find that the Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance Project is statutorily exempt, and ii. approve the contract to Subsea Global Solutions, Inc., for a total amount of \$370,000 for the ACOO and SCJOO Ballast Maintenance Project with a contingency of \$37,000 (10% of the contract).

7. GENERAL MANAGER’S REPORT

A. PC 12 SNMP Professional Services and Budget Adjustment [Project Committee 12] ..... 73

ACTION Staff recommends that the PC 12 Board of Directors i. approve up to \$50,000 per year to Dr. Michael Welch for professional services for FY 2023-24 through FY 2026-27, and ii. approve a PC 12 budget adjustment of \$55,000 for FY 2023-24 to complete SNMP-related services

B. Discussion on the SCWD/SMWD Proposal Framework .....

- PC 15 Update carryover from October 24 Board Meeting
- PC 17 Discussion of ownership and operation transfer
- SMWD/SCWD Update [PC 2]

ACTION Board Discussion/Direction and Action.

C. General Counsel’s Update .....

- JPA Revision Process (Standing item)

ACTION Information Item

D. Acting General Manager’s Report..... 75

ACTION Board Discussion/Direction and Action.

South Orange County Wastewater Authority  
Board of Directors Meeting  
February 1, 2024

Agenda

E. Upcoming Meetings Schedule: .....

- February 1, 2024 – Board of Directors Regular Meeting
- February 1, 2024 – PC 2 Committee Meeting (Closed Session)
- February 8, 2024 – Engineering Committee Meeting
- February 20, 2024 – Finance Committee Meeting
- March 7, 2024 – Board of Directors Regular Meeting

ACTION Information Item.

8. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by the Acting General Manager/Director of Operations, which arose after the posted agenda. [Adoption of this action requires a two-thirds vote of the Board, or if less than two-thirds are present, a unanimous vote.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING  
MARCH 7, 2024

**MINUTES OF SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**Board of Directors**

**January 11, 2024**

**DRAFT**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in person and via teleconference on January 11, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
BOB WHALEN	City of Laguna Beach	Director
FRANK URY	Santa Margarita Water District	Director
ROD WOODS	Moulton Niguel Water District	Alternate Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DINA ASH	HR Administrator
KONSTANTIN SHILKOV	Senior Accountant
JACK BECK	Staff Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARK	IT Administrator

Also Present:

ADRIANA OCHOA	Procopio Law	BILL MOORHEAD	Moulton Niguel Water District
RICK SHINTAKU	Varner & Brandt, LLP	MIKE GASKINS	El Toro Water District
DON BUNTS	Santa Margarita Water District	ERICA CASTILLO	Santa Margarita Water District
ROGER BUTOW	Clean Water Now (CWN)	OSMAN MUFTI	Sloan Sakai Yeung & Wong LLP
DAVE LARSEN	Moulton Niguel Water District	ALLISON BURNS	Stradling Law
SAUNDRA JACOBS	Santa Margarita Water District	DUANE CAVE	Moulton Niguel Water District
LISA OHLUND	Ohlund Mgmt. & Tech. Svc	KARI VOZENILEK	Kidman Gagen Law, LLP
DICK FIORE	Moulton Niguel Water District	JOE MULLER	South Coast Water District
MARC SERNA	South Coast Water District	KELSEY DECASAS	Moulton Niguel Water District

1. CALL TO ORDER

Vice Chairman Ury called the meeting to order at 8:31 a.m.

2. PLEDGE OF ALLEGIANCE – Director Rod Woods

3. ORAL COMMUNICATIONS

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

Ms. Adriana Ochoa, SOCWA General Counsel, stated two Board of Directors were appearing remotely pursuant to AB 2440. She stated both members had submitted their bases for remote appearance under the just cause provision and, out of an abundance of caution, are not appearing in person.

5. CONSENT CALENDAR

ACTION TAKEN

A motion was made by Director Goldman and seconded by Director Woods to approve the Consent Calendar agenda items 5A through 5F. as submitted.

Motion carried:   Aye 7, Nay 0, Abstained 0, Absent 0  
Director Dunbar       Aye  
Director Freshley     Aye  
Director Woods        Aye  
Director Whalen       Aye  
Director Ury           Aye  
Director Goldman     Aye  
Director Rebensdorf   Aye

(5A thru 5F)

- A. Minutes of Board of Directors Meeting for December 7, 2023
- B. Minutes of PC 2 Committee Meeting for December 7, 2023
- C. 1. Minutes of Finance Committee Meeting for February 21, 2023  
2. Minutes of Finance Committee Meeting for March 21, 2023
- D. Operations Report (November)  
**Approved Action:** Information Item; receive and file.
- E. Capital Improvement Program Status Report (December)  
**Approved Action:** Information Item.
- F. Capital Improvement Construction Projects and Change Order Report (September) [Project Committees 2, 15, & 24]  
**Approved Action:** Information Item.

6. ENGINEERING MATTERS

- A. Contract Award for MCC-M, Switchgear Circuit Breaker, and Portable Generator Connection Pre-Procurement [Project Committee 2]

An open discussion ensued regarding the specifics of the proposed quote and cost impacts. The discussion also included the project's timeframe from design to delivery of materials.

There was consensus on directing staff to return the agenda item to the Engineering Committee for further discussion

No action was taken.

- B. J.B. Latham Treatment Plant (JBL) Effluent Pump Station and Energy Building Design [Project Committee 2]

An open discussion ensued regarding the specifics of the project modifications and details.

There was consensus on directing staff to return item to the Engineering Committee for further discussion

No action was taken.

7. GENERAL MANAGER'S REPORT

- A. Letter of Support for the County of Orange's Application for Grant Funds from the Wildlife Conservation Board (WCB) for the Aliso Creek Watershed Habitat Connectivity Improvement Project: Phase I and II

ACTION TAKEN

A motion was made by Director Whalen and seconded by Director Freshley to authorize the Acting General Manager to submit a letter of support on behalf of SOCWA supporting the County of Orange's application for grant funds from the Wildlife Conservation Board (WCB) for the Aliso Creek Watershed Habitat Connectivity Improvement Project: Phases I and II.

Motion carried:     Aye 7, Nay 0, Abstained 0, Absent 0  
Director Dunbar         Aye  
Director Freshley        Aye  
Director Woods          Aye  
Director Whalen         Aye  
Director Ury             Aye  
Director Goldman        Aye  
Director Rebensdorf     Aye

- B. Resolution No. 2024-01: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Amending "Exhibit A" Bylaws and Establishing New Quorum Requirements for the SOCWA Engineering Committee

ACTION TAKEN

A motion was made by Director Freshley and seconded by Director Golman to approve Resolution No. 2024-01, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Amending "Exhibit A" Bylaws and Establishing New Quorum Requirements for the SOCWA Engineering Committee and revising the Engineering Committee membership from ten (10) to seven (7) and the meeting quorum requirements from five (5) members to four (4).

Motion carried:     Aye 6, Nay 1, Abstained 0, Absent 0  
Director Dunbar         Aye  
Director Freshley        Aye  
Director Woods          Aye  
Director Whalen         Aye  
Director Ury             Nay  
Director Goldman        Aye  
Director Rebensdorf     Aye

- C. Discussion on the SCWD/SMWD Proposal Framework

- PC 15 Update carryover from October 24 Board Meeting
- PC 17 Discussion of ownership and operation transfer
- SMWD/SCWD Update [PC 2]

There were no reportable actions taken.

D. General Counsel's Updates

Ms. Adriana Ochoa, General Counsel, stated there were no updates to report on the JPA revision process. She also stated she is attending the upcoming CASA Attorney's meeting, which will include new legislation for the year.

Public Speaker: Mr. Roger Butow, Clean Water Now (CWN)  
Ms. Sandra Jacobs, Santa Margarita Water District

This was an information item; no action was taken.

E. Acting General Manager's Report

Mr. Burror stated he had no updates to report. Ms. Amber Baylor, Director of Environmental Compliance, reported on a series of workshops and webinars offered by the National Water Research Institute. An open discussion ensued.

This was an information item; no action was taken.

F. Upcoming Meetings Schedule:

- January 11, 2024 – Board of Directors Special Meeting
- January 18, 2024 – Engineering Committee Meeting
- January 16, 2024 – Finance Committee Meeting
- February 1, 2024 – Board of Directors Regular Meeting

This was an information item; no action was taken.

9. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Ury adjourned the meeting at 9:40 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Board of Directors on January 11, 2024, and approved by the Board of Directors of the South Orange County Wastewater Authority.

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Danita Hirsh, Assistant Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



**MINUTES OF SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
Finance Committee**

**December 1, 2023**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on December 1, 2023, at 9:00 a.m. in-person and via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Zoom Meeting:

DENNIS CAFFERTY	El Toro Water District	Alternate Director
SAUNDRA JACOBS	Santa Margarita Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
PAM ARENDS-KING	South Coast Water District	Alternate Director [exited @ 10:30 a.m.]

Absent:

BOB WHALEN	City of Laguna Beach	Director
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Staff Participation:

JIM BURROR	Acting General Manager
MARY CAREY	Finance Controller
AMBER BAYLOR	Director of Environmental Compliance
KONSTANTIN SHILKOV	Senior Accountant
JACK BECK	Staff Accountant
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator

Also Participating:

KEVIN DAVIS	Procopio Law
KELSEY DECASAS	Moulton Niguel Water District
JULIE NEMES	City of Laguna Beach
SOPIA KUO	The Pun Group
FRANCIS KUO	The Pun Group
ROD WOODS	Moulton Niguel Water District
RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
KATHRYN FRESHLEY	El Toro Water District
SHERRY WANNINGER	Moulton Niguel Water District

1. Call Meeting to Order

Chairperson Jacobs called the meeting to order at 9:00 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Finance Committee Meeting of September 19, 2023

ACTION TAKEN

A motion was made by Director Collings and seconded by Director Arends-King to approve the Minutes for September 19, 2023, as submitted.

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 1
	Director Jacobs Aye
	Director Whalen Absent
	Director Cafferty Abstain
	Director Collings Aye
	Director Arends-King Aye

4. Financial Reports for the Month of August and September 2023

ACTION TAKEN

A motion was made by Director Collings and seconded by Director Cafferty to recommend that the Board of Directors (i) receive and file the August and September 2023 Financial Reports, (ii) ratify the August 2023 disbursement for the period from August 1, 2023, through August 31, 2023, totaling \$2,550,498, (iii) ratify the September 2023 disbursement for the period from September 1, 2023, through September 30, 2023, totaling \$2,109,054

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 1
	Director Jacobs Aye
	Director Whalen Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

5. Annual Comprehensive Financial Report (ACFR) for Fiscal Years ended June 30, 2023, and 2022

Ms. Sophia Kuo and Ms. Francis Kuo of The Pun Group gave a presentation on the Independent Audit results. An open discussion ensued.

ACTION TAKEN

A motion was made by Director Collings and seconded by Director Cafferty to recommend the Board of Directors consideration for receiving and filing the Annual Comprehensive Financial Report (ACFR), including the Independent Auditors Report for Fiscal Years ended June 30, 2023, and 2022.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 1
	Director Jacobs Aye
	Director Whalen Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

6. Final Use Audit FY 2022-2023 Budget vs. Actual

ACTION TAKEN

A motion was made by Director Collings and seconded by Director Cafferty to recommend that the Board of Directors consideration for approving the FY 2022-2023 Use Audit.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 1
	Director Jacobs           Aye
	Director Whalen           Absent
	Director Cafferty        Aye
	Director Collings        Aye
	Director Arends-King    Aye

7. Fiscal Year 2022-2023 Updated Supplemental Financial Statements

ACTION TAKEN

There was a consensus of the Finance Committee to forward the item to the Board of Directors for consideration for approval.

8. California Asset Management Program (“CAMP,” or the “Program”) is a California Joint Powers Authority (“JPA”) (Verbal Report).....

Mr. Jim Burror, Acting General Manager, stated he had a prior discussion with Ms. Erica Castillo regarding looking into options other than LAIF that would potentially offer higher interest-bearing options. An open discussion ensued.

This was an information item; no action was taken.

9. SOCWA Budget Impact Assessment with Regional Treatment Plant (RTP) Operations by MNWD

An open discussion ensued regarding the budget impacts on the Moulton Niguel Water District operating the Regional Treatment Plant (RTP).

This was an information item; no action was taken.

Adjournment

There being no further business, Chairperson Jacobs adjourned the meeting at 11:01 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of December 1, 2023, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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Danita Hirsh / Assistant Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**MINUTES OF REGULAR MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**Engineering Committee**

**November 9, 2023**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on November 9, 2023, at 8:30 a.m. in-person and via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MARK McAVOY	City of Laguna Beach
HANNAH FORD	El Toro Water District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District

Absent:

DAVE REBENS DORF	City of San Clemente
MIKE DUNBAR	Emerald Bay Service District

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
RONI GRANT	Associate Engineer
MARY CAREY	Finance Controller
AMBER BAYLOR	Director of Environmental Compliance
MATT CLARKE	IT Administrator
DINA ASH	HR Administrator
JEANETTE COTINOLA	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

SHERRY WANNINGER	Moulton Niguel Water District
SAUNDRA JACOBS	Santa Margarita Water District

1. Call Meeting to Order

Ms. Roni Grant, Associate Engineer, called the meeting to order at 8:34 a.m.

2. Public Comments

None.

3. Approval of Minutes

- a. Engineering Committee Minutes of September 14, 2023
- b. Engineering Committee Unofficial Minutes of October 12, 2023

ACTION TAKEN

A motion was made by Mr. Woods and seconded by Mr. McAvoy to approve the Engineering Committee Minutes for September 14, 2023, and the Unofficial Minutes for October 12, 2023, as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 2
	Mr. McAvoy           Aye
	Ms. Ford             Aye
	Mr. Dunbar          Absent
	Mr. Woods           Aye
	Mr. Bunts            Aye
	Mr. Serna            Aye
	Mr. Rebensdorf      Absent

4. Operations Report

Mr. Jim Burror, Acting General Manager/Director of Operations, reported on installing the improved technology flow meter at the Aliso Creek Ocean Outfall that was damaged during past storms.

Ms. Amber Baylor, Director of Environmental Compliance, gave an update on the City of San Clemente regarding the landfill EIR process and the permit amendment for the San Juan Creek Ocean Outfall. An open discussion ensued.

This was an information item; no action was taken.

Agenda Items 6, 8, and 9 were tabled until the next Engineering Committee meeting in December.

- 6. Package B Project Change Orders under the CIP Construction Progress Report [Project Committees 2]
- 7. JBL Package B Construction Management Support Contract Amendment [Project Committee 2]
- 8. On-Call Construction Management Support Contract [Project Committees 2, 15 and 17]

9. Contract Award for Coastal Treatment Plant (CTP) Personnel Building Reconstruction Engineering Services during Construction [Project Committee 15]

ACTION TAKEN

A motion was made by Mr. McAvoy and seconded by Mr. Serna that the PC 15 Board of Directors approve the contract to ProjectLine for \$31,150 for Engineering Services during Construction of the CTP Personnel Building Reconstruction Project.

Motion carried:	Aye 2, Nay 0, Abstained 1, Absent 1
	Mr. McAvoy           Aye
	Mr. Dunbar          Absent
	Mr. Woods           Abstain
	Mr. Serna            Aye

Adjournment

There being no further business, Ms. Grant adjourned the meeting at 8:57 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of November 9, 2023, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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Danita Hirsh, Assistant Board Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

# Agenda Item

**Meeting Date:** February 1, 2024

**TO:** Board of Directors  
**FROM:** Jim Burror, Acting General Manager/Director of Operations  
**SUBJECT:** December 2023 Operations Report

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## Summary/Discussion

The following selected operational reports are provided monthly to the Board of Directors. The operational reports included are as follows:

1. Monthly Operational Report

This is a nine (9) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA for billing the agencies. Other items include important statistics for regulatory compliance, visits by the public to the treatment works, and other vendor interactions. The information is broken down by facility and by member agency.

2. SOCWA Ocean Outfall Discharges by Agency

This data shows how much water is being discharged into the ocean each month and for the last 12 months. This data is presented for the agencies planning reuse projects to better understand the potential to expand water reuse in their service area.

3. Quarterly Report on Key Operational Expenses

A seven (7) page overview of monthly expenses for key operational expenses with estimated projections for the Fiscal Year. The key parameters that are being tracked are Electricity, Odor Control, Polymer, Biosolids, Maintenance expenses (not including SOCWA staff labor), small capital purchases, and safety.

4. Beach Ocean Monitoring Report

5. Recycled Water Report

6. Pretreatment Report

## Fiscal Impact

No change.

**Recommended Action:** Receive and file the Operational Reports.

# Monthly Operational Report



# SOCWA Operational Report December, 2023

## Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	0	0	0	0
Noise	0	0	0	0
Spills	0	0	0	0
Violations	0	0	0	0
Others	0	0	0	0

## Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.41	7.29	6.71	0.99	17.39
Effluent (mgd)	2.31	4.71	6.71	2.84	16.58
Peak Flow (mgd)	7.32	15.16	10.77	5.97	39.22
Influent BOD (mg/l)	273	312	315	540	
Influent TSS (mg/l)	322	305	394	1,025	
Effluent BOD (mg/l)	5.9	7.0	13.9	9.4	
Effluent TSS (mg/l)	7.4	12.5	15.3	9.8	
Effluent Turbidity (NTU)	3.5	5.5	8.6	4.0	

(1) CTP Influent value does not include AWT backwash in this table.

## Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.54	2.58		3.12
Days of Operation (days)	27	31		
Total Flow (million gallons)	16.8	79.9		96.7
Plant Irrigation (million gallons)	0.05	0.10	0.20	
AWT Time Online (%)	96%			

### Wastewater Unit Definitions

mgd = million gallons per day

mg/l = milligram per liter also known as parts per million

NTU = Nephelometric Turbidity Units

# SOCWA Operational Report December, 2023 (cont'd)

## Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		804.0	0.0	804.0
Nursery Products (tons)		401.2	581.6	982.8
Prima Deshecha (tons)		0.0	167.0	167.0
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,205.2	748.6	1,953.8

## Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	151	187	238	576
Corrective Maintenance	17	38	18	73

## Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	1	1
Member Agency	0	2	2	4
Residents	0	0	0	0
Others	5	10	12	27
Tours #/Visitors	0	0	0	0

## Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	6.0	32.6	NA	38.6

## Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	18.6	18.3	36.9
Utility Power Purchase (kWh)	216,117	75,043	200,899	492,059
Cogen Power (kWh)		552,433	532,116	1,084,549
Natural Gas (Dth)	NA	NA	NA	0
Digester Gas to Engine (scfm)		7,806,744	5,708,704	13,515,448
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		835,056	190,290	1,025,346
Digester Gas Power Savings		\$ 43,586		

NA = Not Available at the time this report was generated.

### Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

# SOCWA Operational Report December, 2023 (cont'd)

## Agency Wastewater Flows to SOCWA by Facility (Including Internal Waste Streams Used for Billing)

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.427	56.54%				1.43
EBSB	0.068	2.70%				0.07
SCWD	1.029	40.76%		1.658	21.54%	2.69
MNWD	0.000	0.00%	7.29	1.400	18.19%	8.69
CSJC				2.212	28.74%	2.21
SMWD				2.426	31.52%	2.43
<b>Total</b>	<b>2.524</b>	<b>100.00%</b>	<b>7.29</b>	<b>7.696</b>	<b>100.00%</b>	<b>17.51</b>

## Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.43	10.62%	1.43	
EBSB				0.07	0.51%	0.07	
SCWD	1.83	14.37%		0.70	5.18%	2.53	Includes Desalters
MNWD	2.91	22.81%		4.71	35.07%	7.63	
ETWD				2.86	21.32%	2.86	Direct Outfall Only
CSJC	2.59	20.30%				2.59	Incudes Desalter
SMWD	2.43	19.01%				2.43	Includes Chiquita
CSC	3.00	23.51%				3.00	Direct Outfall Only
IRWD				3.67	27.30%	3.67	Direct Outfall Only
<b>Total</b>	<b>12.77</b>	<b>100.00%</b>	<b>326.96</b>	<b>13.44</b>	<b>100.00%</b>	<b>26.21</b>	

# SOCWA Operational Report December, 2023 (cont'd)

## FY Flow/Solids Summary-Billing

### Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSJC	4.00	30.77%	2.210	26.25%	2.212	28.74%	2.24	30.33%
MNWD	3.00	23.08%	1.400	16.63%	1.400	18.19%	1.40	18.96%
SCWD	3.75	28.85%	1.610	19.12%	1.658	21.54%	1.70	23.02%
SMWD	2.25	17.31%	3.200	38.00%	2.426	31.52%	2.04	27.69%
Total	13.00	100.00%	8.420	100.00%	7.696	100.00%	7.38	100.00%

### Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,884	22.54%	7,406	25.28%	6,577	26.22%
MNWD	8,340	21.62%	6,169	23.63%	5,417	18.49%	5,507	21.96%
SCWD	7,715	20.00%	5,584	21.39%	7,084	24.18%	4,805	19.16%
SMWD	10,946	28.38%	8,473	32.45%	9,387	32.04%	8,194	32.67%
Total	38,573	100.00%	26,110	100.00%	29,294	100.00%	25,082	100.00%

### Project Committee No. 5 - San Juan Creek Ocean Outfall (SJCOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	3.001	23.51%	2.600	23.21%
CSJC	11.08%	8.860	11.08%	2.591	20.30%	2.660	23.74%
MNWD(3)	15.51%	12.410	15.51%	2.912	22.81%	2.069	18.47%
SCWD	12.46%	9.970	12.46%	1.834	14.37%	1.817	16.22%
SMWD	44.32%	35.460	44.33%	2.428	19.01%	2.057	18.36%
Total	100.00%	80.000	100.00%	12.767	100.00%	11.204	100.00%

(1) Influent billing meter summary:

- a. CSJC is metered daily in the collection system. The area-velocity meter has an accuracy of +/- 20%.
- b. MNWD is assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur, they are estimated.
- c. SCWD flows are the summation of the DPSD and Victoria PS meters. The two metering systems have an accuracy of +/- 10%.
- d. The Oso Trabuco sewer is metered daily in the collection system. The flows from MNWD are subtracted from the metering data collected to determine SMWD's flows. The metering system in the collection system has an accuracy of +/- 20%.

(2) The 36-month average is the average of the past 36 months. The Use Audit is based on the last 3 Fiscal Years versus the average of the past 36 months.

(3) All monthly flow data for 3A is reported as part of MNWD's flow to the ocean outfall.

# SOCWA Operational Report December, 2023 (cont'd)

## FY Flow/Solids Summary-Billing (cont'd)

### Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.496	55.22%	1.427	56.54%	1.554	55.25%
EBSD	0.20	2.99%	0.060	2.21%	0.068	2.70%	0.071	2.51%
SCWD	2.00	29.85%	1.153	42.56%	1.029	40.76%	1.188	42.24%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
<b>Total</b>	<b>6.70</b>	<b>100.00%</b>	<b>2.709</b>	<b>100.00%</b>	<b>2.524</b>	<b>100.00%</b>	<b>2.812</b>	<b>100.00%</b>

### Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.00716	0.0942%	0.0000	0.0134	0.0134	0.1805%	0.0135	0.1814%
EBSD	0.00001	0.0001%	0.0000	0.0006	0.0006	0.0086%	0.0006	0.0083%
SCWD	0.00427	0.0562%	0.0000	0.0096	0.0096	0.1301%	0.0103	0.1386%
ETWD	0.01562	0.2055%	0.0000	0.0155	0.0155	0.2099%	0.0151	0.2024%
MNWD	7.57236	99.6439%	7.2913	0.0674	7.3587	99.4708%	7.4182	99.4694%
<b>Total</b>	<b>7.59942</b>	<b>100.0000%</b>	<b>7.2913</b>	<b>0.1065</b>	<b>7.3978</b>	<b>100.0000%</b>	<b>7.4578</b>	<b>100.0000%</b>

(1) Month total does not double count MNWD centrate. It is included in the Monthly Plant Influent too.

## SOCWA Operational Report December, 2023 (cont'd)

### FY Flow/Solids Summary (cont'd)

#### Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	4,406	11.89%	143,458	12.54%	140,982	12.63%
EBSD	295	0.59%	177	0.48%	6,845	0.60%	6,424	0.58%
SCWD	4,480	8.96%	3,392	9.16%	103,406	9.04%	107,697	9.65%
ETWD	10,200	20.41%	5,305	14.32%	166,801	14.58%	156,781	14.05%
MNWD	29,395	58.82%	23,769	64.16%	723,814	63.25%	704,152	63.09%
Total	49,975	100.00%	37,049	100.00%	1,144,325	100.00%	1,116,037	100.00%

#### Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.00%	5.500	11.00%	1.427	10.62%	1.554	15.92%
EBSD	0.78%	0.390	0.78%	0.068	0.51%	0.071	0.72%
ETWD	16.30%	8.151	16.30%	2.865	21.32%	1.962	20.11%
IRWD	15.76%	7.880	15.76%	3.670	27.30%	2.495	25.57%
MNWD	43.85%	21.924	43.85%	4.714	35.07%	3.036	31.10%
SCWD	12.31%	6.155	12.31%	0.696	5.18%	0.643	6.59%
Total	100.00%	50.000	100.00%	13.440	100.00%	9.761	100.00%

## SOCWA Operational Report December 2023 (cont'd)

### *Select Critical Equipment Repairs*

#### JBL - PC2

Troubleshoot and repaired the Plant #1 Headworks Conveyor system.  
Troubleshoot failing Primary Pump #2 Valve.  
Troubleshoot the faulting Boiler heat pump.  
Replaced the failed TWAS Pump #2.  
Replaced corroded hosing equipment around the Plant  
Replaced failed motor on Plant #2 RSP #6.  
Troubleshoot failing Plant #2 Sludge Valve #3.  
Replaced failed motor on Plant #2 Sludge Grinder.  
Repaired several items damaged by rain-wind related weather.

#### CTP - PC15

Repaired broken clutch and alarm switch on West Primary Sedimentation Scum Collector #1.  
Troubleshoot the old Export sludge system, leaking sludge into the old export wetwell.  
Jetted the blocked Foul Air Scrubber drain line.  
Replaced failed flight drive on Primary West #1.  
Troubleshoot failed Foul Air Scrubber Caustic Pump.  
Replaced several corroded conduit runs for the aeration system.

#### RTP - PC17

Replaced failed shear pin on Primary Tank #3 Scum Collector.  
Replaced the failed control butterfly valve for the Heat Loop.  
Troubleshoot blocked Primary Sedimentation Scum Pump #1 piping.  
Troubleshoot inoperable Aeration Tank #6 effluent gates.  
Investigated digester gas leaks in the Gas Management Building.  
Troubleshoot SCR high-temperature alarms on the Cogen.  
Troubleshoot failed Plant Compressor.  
Replaced failed E-Stop on Centrifuge #2.  
Replaced failed pressure sensor on TWAS Pump #6.  
Completed the Non-Potable Water Bleach Pump #1 overhaul.  
Replaced failed RAS Pump #1 motor.

#### Support Services - ALL PC'S

Replaced a failed contactor on the Plant #1 Primary Sedimentation Sludge Pump #1 at JBL.  
Replaced failed sludge export meter at CTP.  
Troubleshoot several inoperable Primary Sludge valves on the East Plant at CTP.  
Recalibrated the Export Sludge meter at CTP.  
Replaced failed NPW Pump #2 Motor Fan at CTP.

## SOCWA Operational Report December 2023 (cont'd)

### *Select Critical Equipment Repairs (cont'd)*

#### Support Services - ALL PC'S (cont'd)

Troubleshoot and replaced failed DPS Wetwell Level Sensor, which was creating false callout alarms at CTP.

Recalibrated the East primary sludge flow at CTP.

Troubleshoot failing North TWAS pump at CTP.

Troubleshoot and replaced controllers on several sludge valves.

Troubleshoot failing Plant Compressor at RTP.

Troubleshoot failing RAS #3 Pump at RTP.

Troubleshoot communications failures in the SCADA system at RTP.

Replaced failed VFD on RAS #1 at RTP.



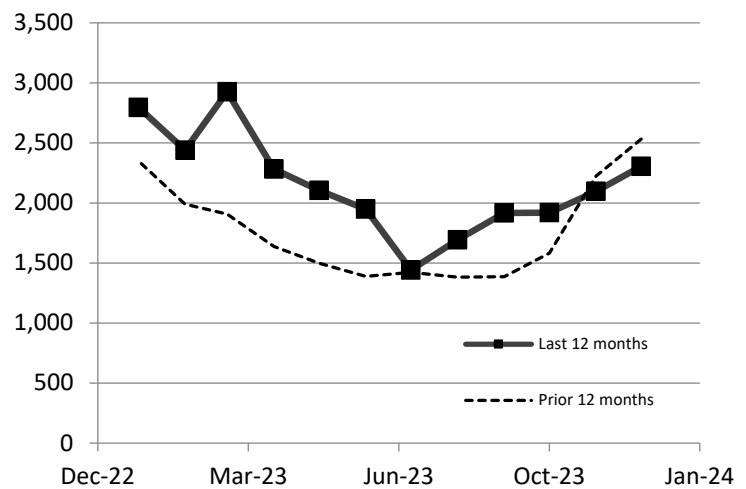
# SOCWA Ocean Outfall Discharges by Agency

## SOCWA Operational Report December, 2023 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.43	10.62%	1.43
EBSD			0.07	0.51%	0.07
SCWD	1.83	14.37%	0.70	5.18%	2.53
MNWD	2.91	22.81%	4.71	35.07%	7.63
ETWD			2.86	21.32%	2.86
CSJC	2.59	20.30%			2.59
SMWD	2.43	19.01%			2.43
CSC	3.00	23.51%			3.00
IRWD			3.67	27.30%	3.67
<b>Total</b>	<b>12.77</b>	<b>100.00%</b>	<b>13.44</b>	<b>100.00%</b>	<b>26.21</b>
or Acre-Feet per year equivalent					29,352

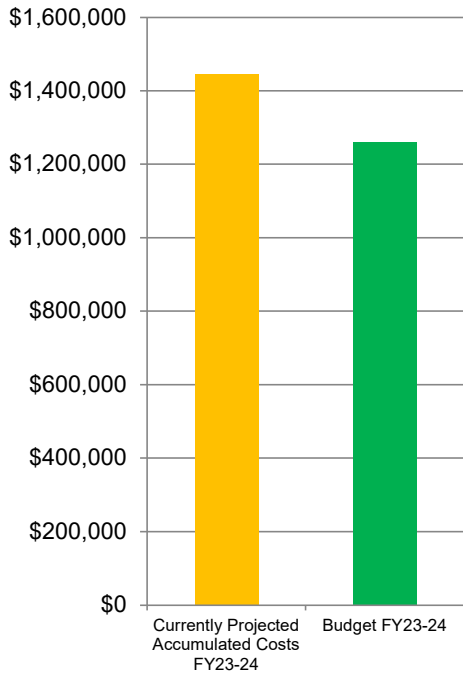
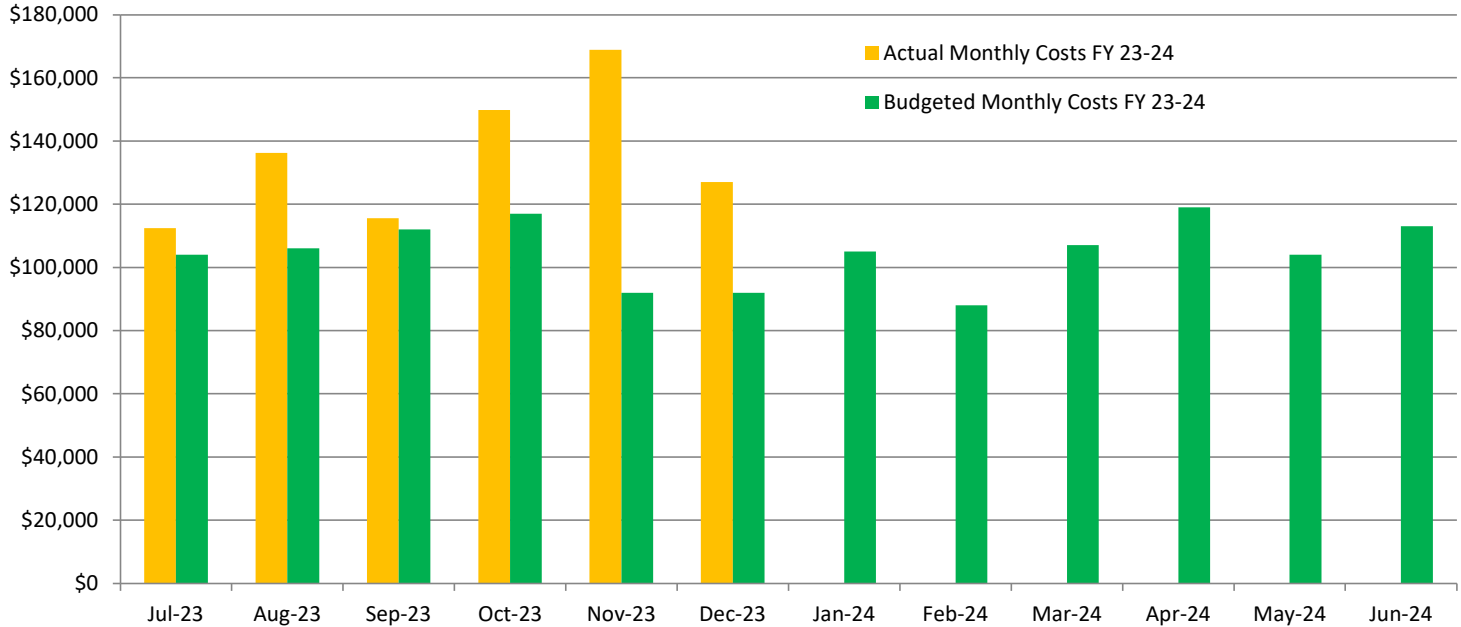
### 12-Month Running Total Discharge to Ocean Outfalls (AF)

Dec-23	2,305
Nov-23	2,097
Oct-23	1,919
Sep-23	1,917
Aug-23	1,693
Jul-23	1,442
Jun-23	1,949
May-23	2,105
Apr-23	2,282
Mar-23	2,926
Feb-23	2,440
Jan-23	2,796
<b>Total</b>	<b>25,870</b>



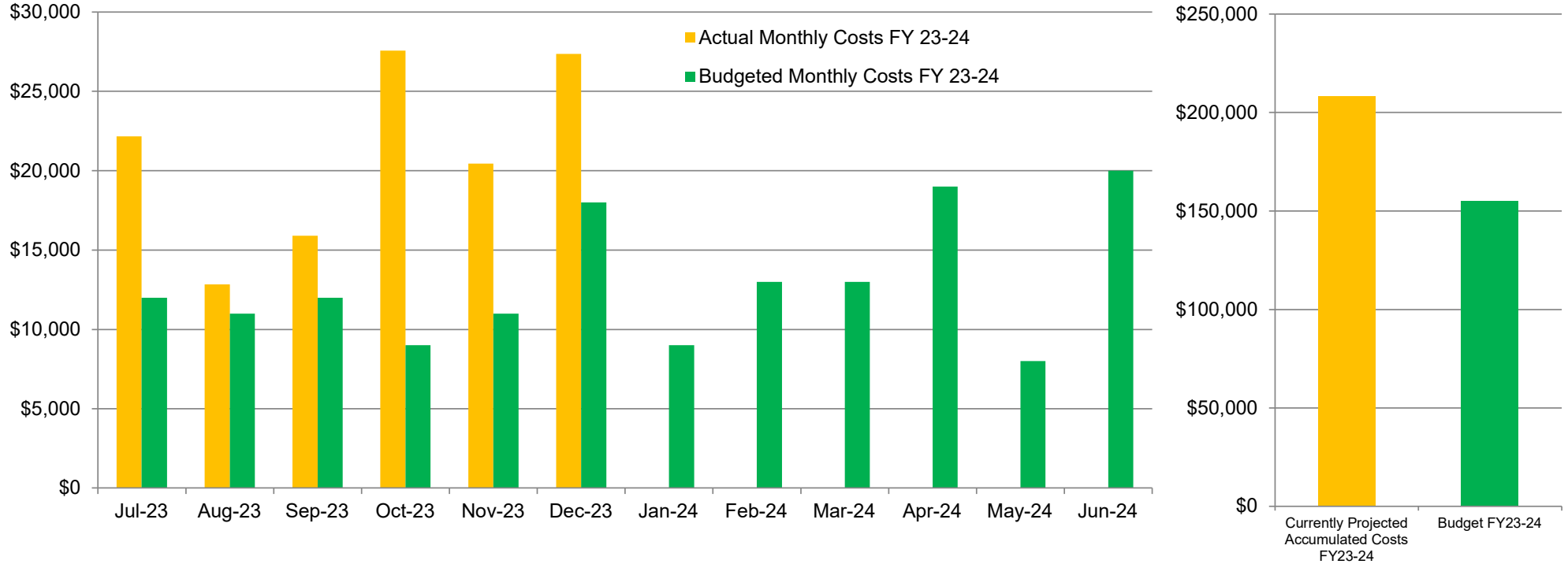
# Quarterly Report on Key Operational Expenses

# Electricity (5002) Costs



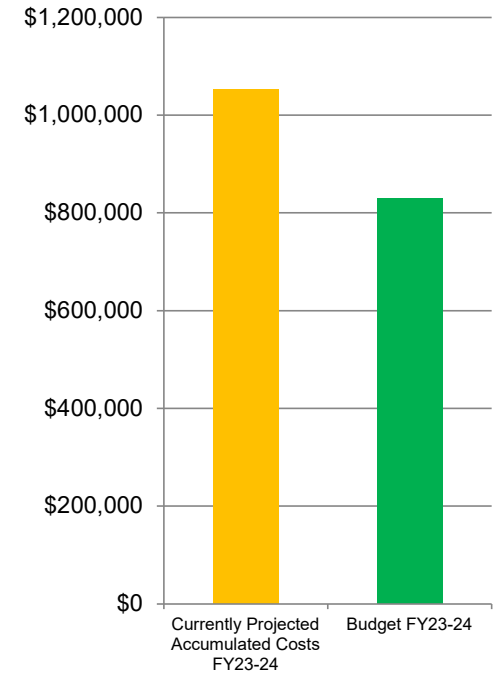
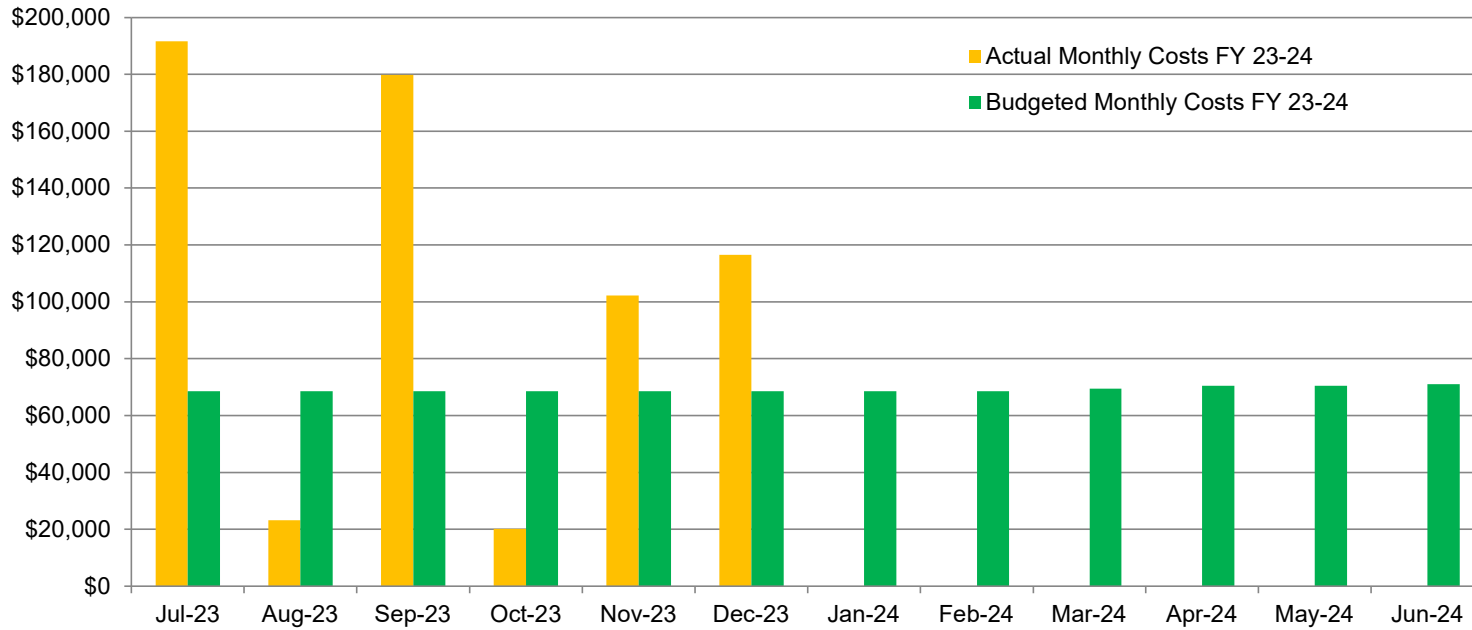
	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Currently Projected Accumulated Costs FY23-24	Budget FY23-24
Actual Monthly Costs FY 23-24	\$112,410	\$136,183	\$115,572	\$149,817	\$168,819	\$126,982							\$1,445,782	\$1,260,000
Budgeted Monthly Costs FY 23-24	\$104,000	\$106,000	\$112,000	\$117,000	\$92,000	\$92,000	\$105,000	\$88,000	\$107,000	\$119,000	\$104,000	\$113,000	Currently Projected Under(+)/Over (-) Budget	-\$185,782

# Odor Control (5009) Costs



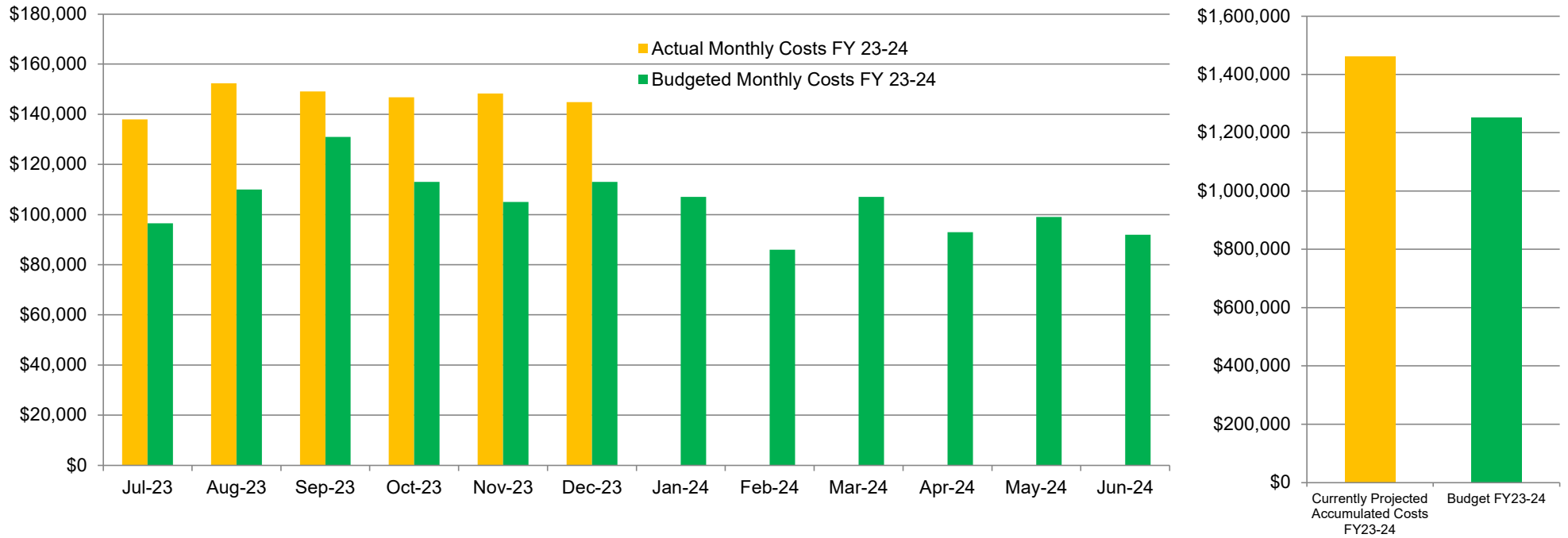
	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Currently Projected Accumulated Costs FY23-24	
Actual Monthly Costs FY 23-24	\$22,147	\$12,831	\$15,905	\$27,554	\$20,459	\$27,358							Budget FY23-24	\$155,000
Budgeted Monthly Costs FY 23-24	\$12,000	\$11,000	\$12,000	\$9,000	\$11,000	\$18,000	\$9,000	\$13,000	\$13,000	\$19,000	\$8,000	\$20,000	Currently Projected Under(+)/Over (-) Budget(1)	-\$53,255

# Polymer (5007) Costs



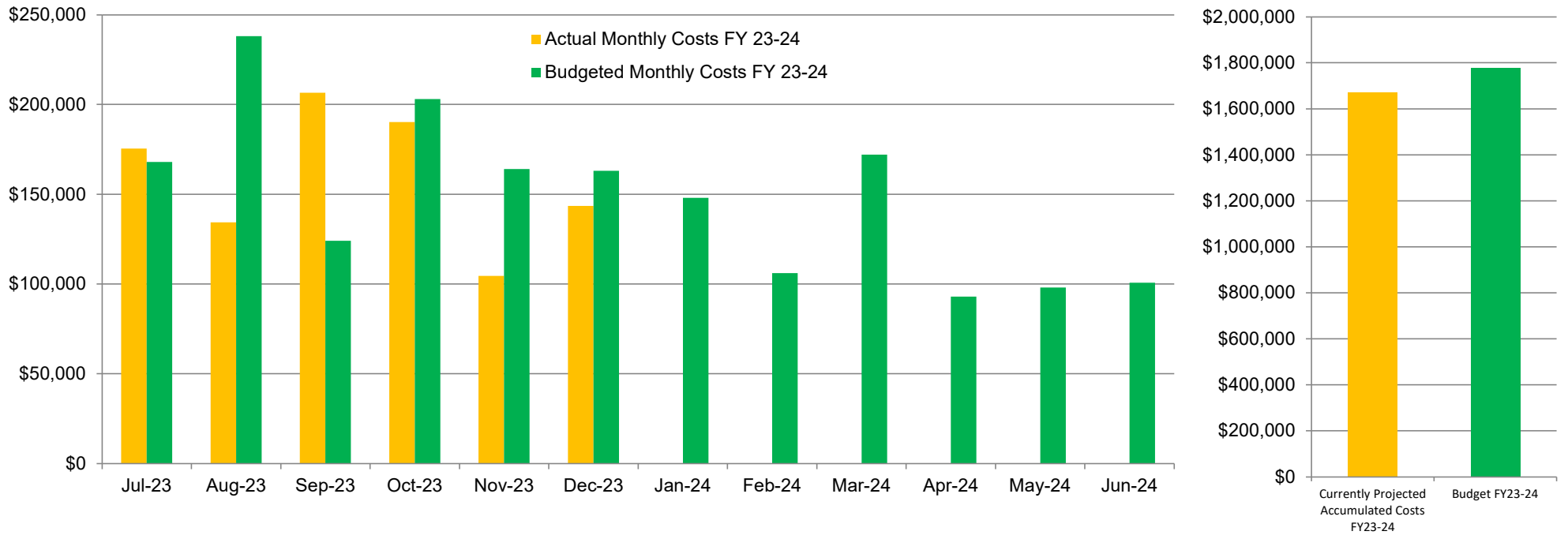
	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Currently Projected Accumulated Costs FY23-24	\$1,051,965
Actual Monthly Costs FY 23-24	\$191,526	\$23,225	\$179,793	\$20,129	\$102,203	\$116,541							Budget FY23-24	\$829,548
Budgeted Monthly Costs FY 23-24	\$68,500	\$68,500	\$68,500	\$68,500	\$68,500	\$68,500	\$68,500	\$68,500	\$69,500	\$70,500	\$70,500	\$71,048	Currently Projected Under(+)/Over (-) Budget(1)	-\$222,417

# Biosolids (5049) Costs



	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Currently Projected Accumulated Costs FY23-24	\$1,463,343
Actual Monthly Costs FY 23-24	\$137,994	\$152,365	\$149,099	\$146,737	\$148,275	\$144,873							Budget FY23-24	\$1,252,500
Budgeted Monthly Costs FY 23-24	\$96,500	\$110,000	\$131,000	\$113,000	\$105,000	\$113,000	\$107,000	\$86,000	\$107,000	\$93,000	\$99,000	\$92,000	Currently Projected Under(+)/Over (-) Budget(1)	-\$210,843

# Maintenance Repair (5056 to 5060) Costs

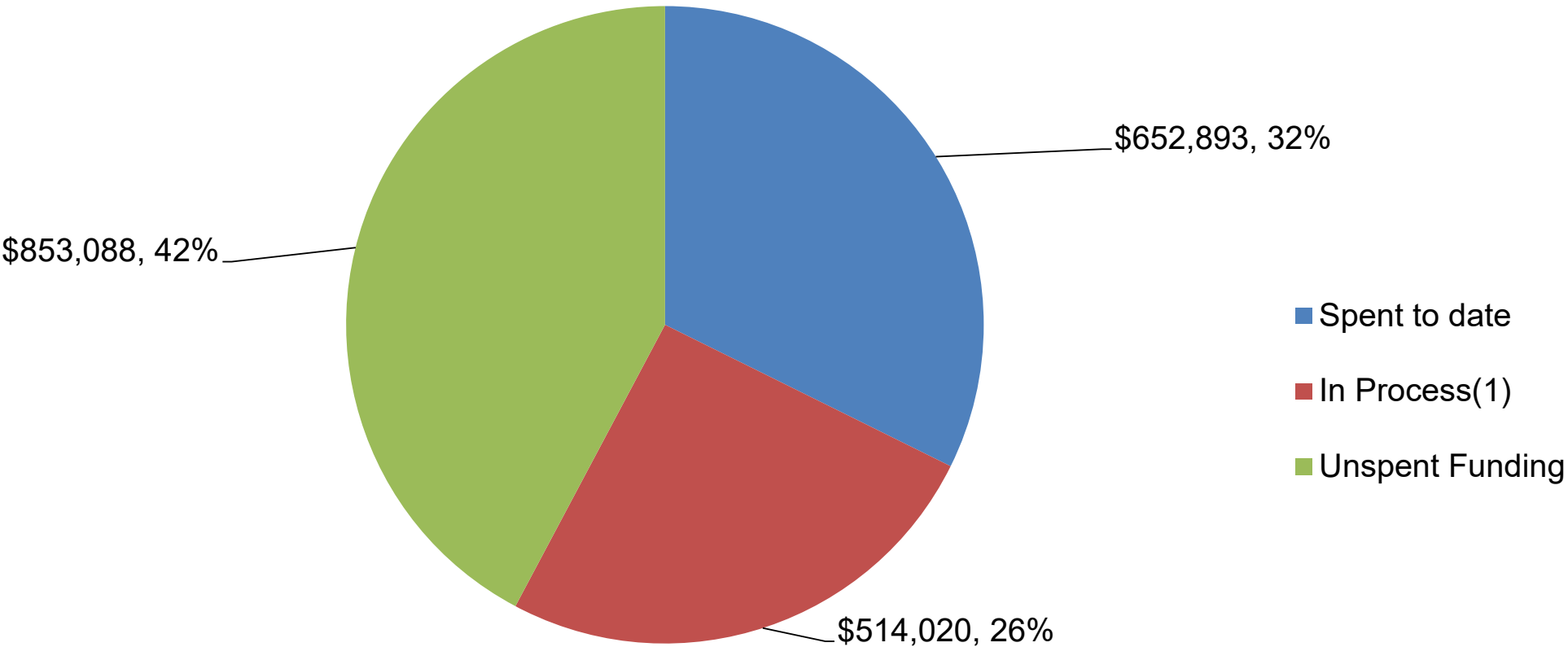


	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Currently Projected Accumulated Costs FY23-24	\$1,672,086
Actual Monthly Costs FY 23-24	\$175,417	\$134,257	\$206,571	\$190,175	\$104,503	\$143,454							Budget FY23-24	\$1,777,708
Budgeted Monthly Costs FY 23-24	\$168,000	\$238,000	\$124,000	\$203,000	\$164,000	\$163,000	\$148,000	\$106,000	\$172,000	\$93,000	\$98,000	\$100,708	Currently Projected Under(+)/Over (-) Budget(1)	\$105,622

(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.



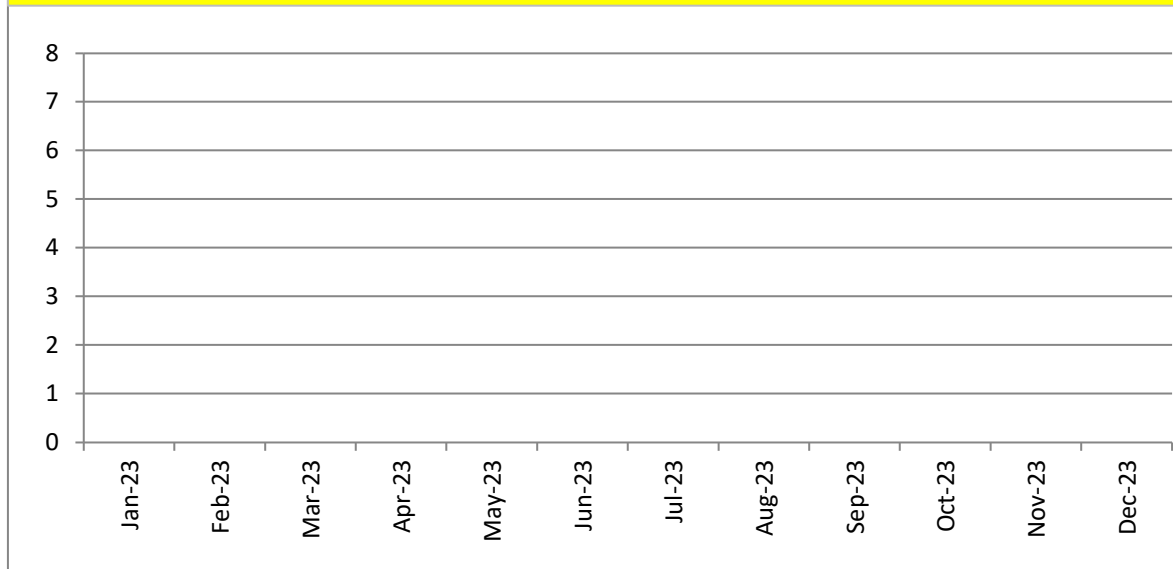
# FY23-24 Small Internal Capital Costs



(1) In Process and Unspent purchases are being delayed due to ongoing supply chain disruptions.

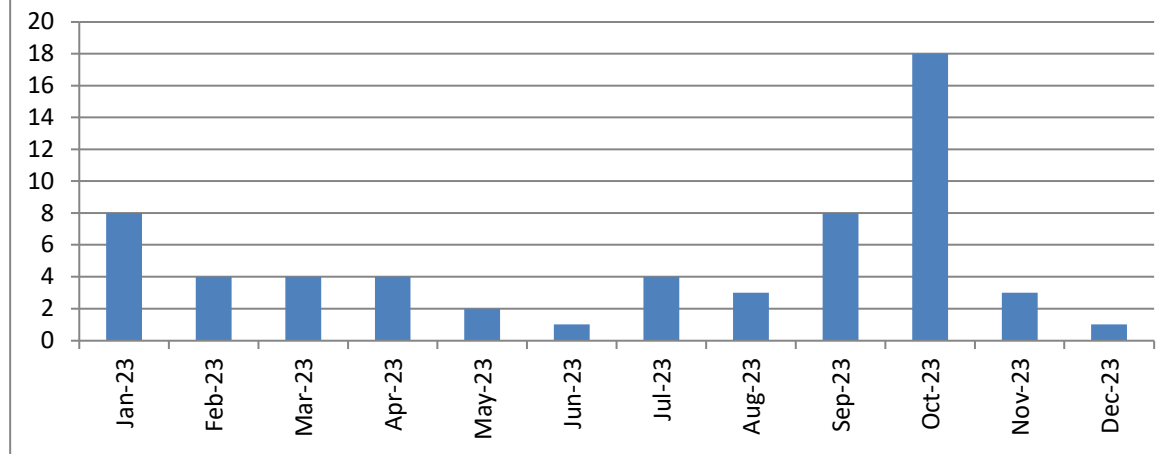
# SOCWA SAFETY UPDATE - DECEMBER 2023

## OSHA RECORDABLE INJURIES



	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
OSHA RECORDABLE INJURIES	0	0	0	0	0	0	0	0	0	0	0	0

## NEAR MISS REPORTS



	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
NEAR MISS REPORTS	8	4	4	4	2	1	4	3	8	18	3	1

Updated: 1/8/2024

## SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
Dec '23 - Defensive and Distracted Driver Training w/ CHP	90%
Nov '23 - Annual Audiometric Hearing Testing	95%
Oct '23 - Annual SPCCP Spill Response and Prevention Training	100%
Sept '23 - Annual Respirator Fit Testing and INITIAL Confined Space Entry Rescue Refresher Training	100%
August '23 - Confined Space Entry Rescue Refresher Training	90%
July '23 - Forklift Refresher Training	100%
June '23 - Annual 8-HR HAZWOPER Refresher Training	95%
May '23 - Emergency Tabletop Training Exercises and Fire Extinguisher Use Training	90% (of all SOCWA Employees)
Apr '23 - Annual Heat Illness Training	95% (of all SOCWA Employees)
Mar '23 - Emergency PA System Use Training / Additional ICS Training	90%
Nov '22 - Audiometric Hearing Testing, Confined Space Entry Rescue Training, and Supervisor Safety Training	95%
September '22 - CPR/First Aid/AED Training (Initial and Refresher)	90% (of all SOCWA Employees)
June '22 - Active Shooter/Workplace Violence Training and SPCCP Spill Training	95% (of all SOCWA Employees)
Feb '22 - Initial Fall Protection Training, Initial Forklift Training, Silica Safety Training	100%
Oct '21 - Annual Hearing Testing, Wildfire Safety/Smoke Training, Respirator Fit Testing	100%
Sept '21 - Annual BBP Training and Lifting Safety Training (with CSRMA, remotely)	90%
Aug '21 - Confined Space Rescue Refresher and Electrical Safety in the Workplace	100%
Oct/Nov '20 - Forklift Training and Additional ICS Training	95%
Oct '19 - Fall Protection Training, Additional ICS Training, and Spill Training	90%
Sept '19 - Wildland Fire Training and CPR/First Aid/AED Training	90%
Aug '19 - Initial Confined Space Entry Rescue and Additional Active Shooter Training	95%
March '19 - Annual Respirator Fit Testing and PPE Use Training	95%
Feb '19 - Annual Bloodborne Pathogens Training and Additional Arc Flash Training	95%
September '18 - Silica Safety Training / October '18 - Crane Safety	100%
Aug '18 - Fire Awareness Safety for Field Personnel and Lockout/Tagout Training	100% (all SOCWA employees)
Jan '18 - Respiratory PPE Training/Fit Testing and Additional ICS Training	90%
Sept '17 - Active Shooter/Workplace Violence Training	100%
May '17 - Safety Culture Training & July/Aug '17 - Spill Response Training (hands on)	100%
Mar '17 - Fall Protection Training and CPR/First Aid/AED Training	100%
Jan '17 - Lockout/Tagout Training and Confined Space Rescue Practice/Training	100%
Oct '16 - Confined Space Awareness/Entry Rescue Training and Forklift Training	100%
May '16 - Entry Level NIMS/ICS Training at SOCWA and Heat Illness Training	100%
Feb '16 - Biomechanics/Ergonomics Training (CSRMA) and Bloodborne Pathogens Training	100%
Oct '15 and Jan '16 - Initial Confined Space Entry Rescue Training (3-day trainings)	100%
Sept '15 - Pre-Storm Workshop, Arc Flash Training, and Forklift Training	100%
Aug '15 - Fire Prevention for Water Utility Field Staff & Disaster Cost Recovery Training	100%
July '15 - Additional NIMS/ICS Training, Attend Water and Power Resiliency Workshop	Ongoing
June '15 - Initial Confined Space Awareness and Non-Entry Rescue Training	100%

# Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

December 2023

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	MGD	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
12/01/23	3.193	19.0	8.0	0.2	2.508	23.0	6.4	0.1	5.470	6.8	4.0	0.2	2.400	4.8	5.0	0.1	0.389	0.000	0.129	14.089	0.01
12/02/23	3.303	10.0		0.1	2.584	10.7	4.0	0.1	3.84	9.6	35.0		2.049	4.2	4.0		0.389	0.000	0.150	12.315	0.00
12/03/23	2.982	8.4	5.5	<0.1	2.023	19.4	6.0	0.1	5.120	9.4	5.0	0.2	2.014	6.0	8.0	<0.1	0.389	0.000	0.115	12.643	0.01
12/04/23	3.150	16.0	6.8	0.2	2.115	19.4	6.0	<0.1	4.730	9.0	4.0	<0.1	2.068			<0.1	0.389	0.000	0.134	12.586	0.00
12/05/23	3.494	16.0	7.4	0.1	2.685	11.6	3.3	<0.1	3.790	8.8	4.0	0.2	1.906	1.8	2.0	<0.1	0.389	0.000	0.135	12.399	0.00
12/06/23	3.696	18.0	7.1	0.1	2.298	11.0	10.0	0.1	3.130	9.4		0.2	1.961	8.6	5.0	<0.1	0.389	0.000	0.126	11.600	0.00
12/07/23	3.214	15.0	6.7	0.1	2.088	22.2	9.0	<0.1	3.260	12.6	5.0	0.6	2.193	9.6	5.0	<0.1	0.389	0.000	0.149	11.293	0.00
12/08/23	2.947	15.0	7.0	<0.1	2.358	14.2	6.3	0.1	4.660	11.6	4.0	0.2	2.220	8.2	5.0	<0.1	0.389	0.000	0.130	12.704	0.00
12/09/23	3.235	13.0		<0.1	2.651	13.7		<0.1	3.790	9.2	8.0		1.956	5.8	6.0		0.389	0.000	0.136	12.157	0.01
12/10/23	3.203	19.0	6.9	<0.1	3.038	12.6	5.9	<0.1	3.990	9.2	5.0	0.8	1.812	2.8	4.0	<0.1	0.389	0.000	0.119	12.551	0.00
12/11/23	3.322	21.0	6.8	0.1	1.970	10.0		<0.1	4.210	10.3	6.0	1.2	2.099	13.2	8.0	<0.1	0.389	0.000	0.138	12.128	0.00
12/12/23	3.118	15.0	7.5	0.1	2.057	15.7	6.3	<0.1	3.710	10.8	5.0	0.2	1.582	11.8	7.0	<0.1	0.389	0.000	0.112	10.968	0.00
12/13/23	3.137	20.0	9.6	0.2	2.370	11.3	7.2	<0.1	3.970	11.2	5.0	0.5	1.568	10.8	6.0	<0.1	0.389	0.000	0.039	11.473	0.01
12/14/23	3.322	14.0	8.0	0.1	2.443	12.8	6.4	<0.1	3.900	12.8	9.0	0.3	2.190	8.2	5.0	<0.1	0.389	0.000	0.140	12.384	0.00
12/15/23	3.434	15.0	7.5	0.2	2.068	13.4	6.6	0.1	4.200	10.0	5.0	0.1	1.785	10.7	7.0	0.1	0.381	0.000	0.130	11.998	0.00
12/16/23	3.075	13.0		<0.1	3.368	13.0	5.0	0.1	3.880	15.8	6.0		1.874	9.2	6.0		0.391	0.000	0.140	12.728	0.00
12/17/23	3.161	12.0	7.9	<0.1	3.368	13.2		<0.1	3.940	14.0		0.2	1.982	11.8		0.1	0.391	0.000	0.123	12.965	0.00
12/18/23	3.366	18.0	9.5	<0.1	3.793	11.6		<0.1	4.090	13.2	6.0	0.3	2.294	9.0	9.0	0.3	0.391	0.000	0.132	14.066	0.08
12/19/23	3.350	19.0	13.0	<0.1	3.406	13.6	5.0	<0.1	4.340	13.2		2.0	2.014	8.2		<0.1	0.391	0.000	0.133	13.634	0.02
12/20/23	3.354	22.0	13.0	0.2	3.413	15.0	15.6	<0.1	5.260	16.8	6.0	0.7	2.480	5.0	7.0	<0.1	0.388	0.000	0.138	15.033	0.49
12/21/23	3.186	18.0	12.0	<0.1	3.583	16.0	6.0	<0.1	5.740	19.1	6.0	0.8	2.502	5.8	11.0	<0.1	0.391	0.000	0.135	15.537	0.33
12/22/23	3.689	20.0	11.0	<0.1	3.469	21.0	6.1	<0.1	5.930	16.8	8.0	0.4	2.240	6.8	5.0	<0.1	0.392	0.000	0.138	15.858	0.28
12/23/23	3.070	16.0		0.1	2.966	10.0	4.9	<0.1	5.800	14.8	13.0		2.538	2.8	2.0		0.391	0.000	0.126	14.891	0.01
12/24/23	3.327	14.0	11.0	<0.1	2.958	11.2	6.2	0.1	5.830	14.0	7.0	0.3	2.743	5.2	6.0	<0.1	0.391	0.000	0.148	15.397	0.00
12/25/23	3.482	13.0	10.0	<0.1	3.189	9.4		0.1	5.780	14.2	6.0	0.5	2.811	7.6	7.0	<0.1	0.392	0.000	0.118	15.772	0.00
12/26/23	3.526	18.0	13.0	0.1	3.066	11.6	5.8	<0.1	5.260	15.0	4.0	0.3	1.508	8.8	6.1	<0.1	0.391	0.000	0.138	13.889	0.00
12/27/23	3.499	29.0	13.0	0.4	3.465	9.5	5.1	<0.1	5.580	16.6	6.0	0.4	2.438	4.8	5.0	0.1	0.391	0.000	0.126	15.499	0.00
12/28/23	3.218	25.0	14.0	0.4	3.228	11.0	3.8	<0.1	5.610	16.2	6.0	0.3	2.465	8.6	8.0	<0.1	0.392	0.000	0.153	15.066	0.00
12/29/23	3.211	72.0	18.0	0.2	3.415	7.4	4.2	0.1	6.520	13.2	10.0	0.4	2.493	9.0	6.0	<0.1	0.391	0.000	0.138	16.168	0.00
12/30/23	3.206	46.0		<0.1	3.868	13.4	6.0	0.2	5.180	13.6	5.0		2.788	4.2	3.0		0.391	0.000	0.000	15.433	0.48
12/31/23	3.201	33.0	13.0	<0.1	3.003	12.6	5.6	0.6	5.630	8.8	4.0	0.1	2.969	10.2	7.0	<0.1	0.392	0.000	0.000	15.195	0.09
AVG	3.280	20.1	9.7	<0.1	2.865	13.6	6.3	<0.1	4.714	12.5	7.0	<0.4	2.192	7.4	5.9	<0.1	0.390	0.000	0.122	13.562	
TOTAL	101.67				88.81				146.14				67.94				12.08	0.00	3.768	420.42	1.82

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1 2024  
 SAMPLE SOURCE: Surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 05:08

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/07/23	08:14	<10	<10	2	None	None	None	None	Blue	61	Clear		
S4	12/07/23	09:37	<10	<10	<2	None	None	None	None	Blue		Clear		
S5	12/07/23	09:30	<10	<10	2	None	None	None	None	Blue		Clear		
S6	12/07/23	09:17	10	20	8	None	None	None	None	Blue		Clear		
WEST	12/07/23	09:12	<10	<10	38	None	None	None	None	Blue		Clear		
S7	12/07/23	09:30	<10	<10	8	None	None	None	None	Blue		Clear		
S8	12/07/23	09:24	10	40	6	None	None	None	None	Blue		Clear		
S9	12/07/23	09:20	10	10	6	None	None	None	None	Blue		Clear		
ACM1	12/07/23	09:00	10	<10	20	None	None	None	None	Blue		Clear		
S10	12/07/23	08:51	<10	<10	6	None	None	None	None	Blue		Clear		
S11	12/07/23	08:46	<10	<10	<2	None	None	None	None	Blue		Clear		
S12	12/07/23	08:38	10	10	2	None	None	None	None	Blue		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 08:24

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/13/23	07:55	<10	<10	4	None	None	None	None	Green		Clear		
S4	12/13/23	09:42	<10	<10	<2	None	None	None	None	Green	61	Clear		
S5	12/13/23	09:32	10	10	<2	None	None	None	None	Green		Clear		
S6	12/13/23	09:14	<10	10	<2	None	None	None	None	Green		Clear		
WEST	12/13/23	09:00	<10	<10	<2	None	None	None	None	Green		Clear		
S7	12/13/23	08:55	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/13/23	08:56	<10	<10	2	None	None	None	None	Green		Clear		
S9	12/13/23	08:53	20	<10	2	None	None	None	None	Green		Clear		
ACM1	12/13/23	08:42	10	<10	6	None	None	None	None	Green		Clear	Flowing	
S10	12/13/23	08:22	<10	10	56	None	None	None	None	Green		Clear		
S11	12/13/23	08:16	<10	10	<2	None	None	None	None	Green		Clear		
S12	12/13/23	08:10	40	10	<2	None	None	None	None	Green		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100m

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 08:38

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/19/23	07:55	20	10	4	None	None	None	None	Green	58	Clear		
S4	12/19/23	09:55	10	<10	<2	None	None	None	None	Green		Clear		
S5	12/19/23	09:40	<10	<10	<2	None	None	None	None	Green		Clear		
S6	12/19/23	09:20	<10	<10	2	None	None	None	None	Green		Clear		
WEST	12/19/23	09:15	10	<10	<2	None	None	None	None	Green		Clear		
S7	12/19/23	09:10	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/19/23	09:05	<10	<10	2	None	None	None	None	Green		Clear		
S9	12/19/23	08:55	90	<10	<2	None	None	None	None	Green		Clear		
ACM1	12/19/23	08:50	200	60	22	None	None	None	None	Green		Clear		
S10	12/19/23	08:40	10	<10	<2	None	None	None	None	Green		Clear		
S11	12/19/23	08:35	10	<10	<2	None	None	None	None	Green		Clear		
S12	12/19/23	08:25	<10	100	2	None	None	None	None	Green		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 08:19

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/27/23	07:41	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S4	12/27/23	10:00	170	50	64	None	None	None	None	Green		Slightly Turbid		
S5	12/27/23	09:42	150	60	88	None	None	None	None	Green	61	Slightly Turbid		
S6	12/27/23	09:23	80	20	64	None	None	None	None	Green		Slightly Turbid		
WEST	12/27/23	09:26	80	40	86	None	None	None	None	Green		Slightly Turbid		
S7	12/27/23	09:33	220	270	340	None	None	None	None	Green		Slightly Turbid		
S8	12/27/23	09:02	270	270	440	None	None	None	None	Green		Slightly Turbid		
S9	12/27/23	08:38	3600	370	220	None	None	None	None	Green		Slightly Turbid		
ACM1	12/27/23	08:30	180	80	120	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	12/27/23	08:19	240	130	230	None	None	None	None	Green		Slightly Turbid		
S11	12/27/23	08:14	160	<10	120	None	None	None	None	Green		Slightly Turbid		
S12	12/27/23	08:08	540	590	50	None	None	None	None	Green		Slightly Turbid		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.



## Unified Beach Water Quality Sample Station Map – Aliso Creek Ocean Outfall



## Aliso Creek Ocean Outfall

### Unified Beach Water Quality Monitoring Stations

SOCWA's NPDES discharge permit requires participation in the South Orange County Unified Beach Water Quality Monitoring Program. The monitoring stations below are tested by SOCWA at least once per week for Total and Fecal Coliform and Enterococcus Bacteria.

Station	Location
S3	Three Arch Bay Beach; 10,000' down-coast from ACOO
S4	Ninth Street-1000 Steps; 5,000' down-coast from ACOO
S5	Laguna Lido Beach; 4,000 down-coast from ACOO
West	West Street Drain; 2,000' down-coast from ACOO
S6	Table Rock Beach; 3,000' down-coast from ACOO
S7	Camel Point Beach; 2,000' down-coast from ACOO
S8	Aliso Beach south; 1,000' down-coast from ACOO
S9	Aliso Beach middle; at ACOO
ACM1	Aliso Beach at Aliso Creek Outlet
S10	Aliso Beach north; 1,000' up-coast of ACOO
S11	Treasure Island Beach; 2,000' up-coast of ACOC
S12	Goff Island Beach; 3,000' up-coast of ACOO

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

Report For: December 2023

Report Frequency: Monthly

Report Due: February 1, 2024

Sample Source: Receiving water, nearshore and offshore

Sampling Frequency: Monthly

Exact Sample Points: As specified in permit

Type of Sample: Grab

Samples Collected By: Seaventures/SOCWA staff

Samples Analyzed By: SOCWA Lab

Comments: High Tide 07:32

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	12/12/23	<2	<2	<2	07:51	0	0	
A-1	Mid depth	12/12/23	10	<10	<10				
A-2	Surface	12/12/23	<2	<2	<2	07:57	0	0	
A-2	Mid depth	12/12/23	<10	<10	<10				
A-3	Surface	12/12/23	<2	<2	<2	08:01	0	0	
A-3	Mid depth	12/12/23	<10	<10	<10				
A-4	Surface	12/12/23	<2	<2	<2	08:09	0	0	
A-4	Mid depth	12/12/23	<10	<10	<10				
A-5	Surface	12/12/23	<2	<2	<2	08:07	0	0	
A-5	Mid depth	12/12/23	<10	<10	<10				
B-1	Surface	12/12/23	<2	<2	<2	07:44	0	0	
B-1	Mid depth	12/12/23	<10	<10	<10				
B-2	Surface	12/12/23	<2	<2	<2	08:22	0	0	
B-2	Mid depth	12/12/23	<10	<10	<10				
N1	Surface	12/12/23	<2	<2	<2	08:40	0	0	
N2	Surface	12/12/23	<2	<2	<2	08:35	0	0	
N3	Surface	12/12/23	<2	<2	<2	08:34	0	0	
N4	Surface	12/12/23	<2	<2	<2	08:32	0	0	
N5	Surface	12/12/23	<2	<2	<2	08:31	0	0	
N6	Surface	12/12/23	<2	<2	<2	08:29	0	0	
N7	Surface	12/12/23	<2	<2	<2	08:27	0	0	

REQUIREMENT: (1) Floating particulates and grease and oil shall not be visible. (2) The discharge of waste shall not cause aesthetically undesirable discoloration of the ocean surface.

Receiving Water Limitations: (1)30-Day geometric mean of fecal coliform density not to exceed 200CFU/100 mL

calculated based on the five most recent samples from each site (2)single sample max not to exceed 400 CFU/100mL

(3) Enterococcus 6-week rolling geometric mean not to exceed 30 CFU/100 mL, calculated weekly. (4) Statistical threshold value (STV)

of 110 CFU/100 mL for enterococcus not to be exceeded by more than 10% of samples collected in a calendar month, calculated in a static manner

**Compliance Summary Report  
Aliso Creek Ocean Outfall 2023**

ACOO Permit Order No. R9-2022-0006							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
IRWD -SGU	3/18/2023	TDS	Not Monitored	mgl	weekly	Not reported	\$3,000
IRWD -SGU	3/18/2023	Turbidity	Not Monitored	ntu	weekly	Not reported	\$3,000
IRWD - IDP	8/5/2023	TDS	Not Monitored	mgl	weekly	Not reported	\$3,000



**SOCWA and MEMBER AGENCY FACILITIES  
ACOO Spill / Overflow Report Log - 2023  
Order No. R9-2022-0006 ~ NPDES Permit No. CA0107611**

Reporting Agency	Responsible Agency	Estimated Volume (Gallons)	Type of Discharge	Location/Comments	Receiving Waters	Date Reported To State	Date Resolved
				No Spills During this Monitoring Period			

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

December 2023

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC	SCWD	SJCOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	FLOW MGD	FLOW MGD	Fall inches
12/01/23	7.660	14.9	13.3	0.1	3.922	5.7	4.0	<0.1	0.000				1.456	10.2	6.7	<0.1	0.360	0.176	13.180	0.01
12/02/23	7.550	13.8	13.1		2.712		7.0		0.000				1.436				0.380	0.181	13.140	0.00
12/03/23	7.760	17.7	16.7	<0.1	3.055				0.000				1.502				0.390	0.176	13.300	0.01
12/04/23	7.650	13.9		0.1	2.208	5.4	4.0	<0.1	0.000				1.562	8.0	5.0	<0.1	0.410	0.177	13.440	0.00
12/05/23	7.710	13.8	10.5	<0.1	4.022	6.1	4.0	<0.1	0.000				1.457	6.6	3.8	<0.1	0.230	0.169	13.420	0.00
12/06/23	7.440	11.8		0.1	3.096	5.3	5.0	<0.1	0.005	2.4	2.7	0.1	1.426	9.0	6.8	<0.1	0.000	0.176	12.780	0.00
12/07/23	7.350	9.4	9.6	<0.1	2.352	5.3	4.0	<0.1	0.005	1.5	2.8	0.2	1.442	10.2	7.8	<0.1	0.000	0.177	12.250	0.00
12/08/23	7.810	12.4	13.7	0.1	3.073	4.6	4.0	<0.1	0.000				1.481	7.4	5.6	<0.1	0.000	0.179	12.730	0.00
12/09/23	7.560	10.7	26.6		2.518		5.0		0.000				1.494				0.000	0.177	12.360	0.01
12/10/23	7.730	16.8	12.2	0.1	2.689				0.000				1.543				0.440	0.175	12.760	0.00
12/11/23	7.720	14.9	11.8	<0.1	3.069	5.9	6.0	<0.1	0.000				1.536	16.4	7.5	<0.1	0.450	0.176	13.200	0.00
12/12/23	7.660	15.5	9.9	<0.1	2.939	5.5	5.0	<0.1	0.000				1.510	16.2	8.2	<0.1	0.440	0.179	13.180	0.00
12/13/23	7.600	10.0	8.6	<0.1	2.707	5.9	4.0	<0.1	0.007	1.2	2.3	<0.1	1.469	14.8	7.2	<0.1	0.450	0.175	12.990	0.01
12/14/23	7.520	9.0	11.8	<0.1	2.995	5.9	4.0	<0.1	0.000				1.473	12.6	6.6	<0.1	0.450	0.176	13.190	0.00
12/15/23	7.400	9.9	9.0	0.1	3.290	5.5	4.0	<0.1	0.000				1.490	14.2	7.8	0.1	0.450	0.175	13.040	0.00
12/16/23	7.590	10.3	7.4		2.390		6.0		0.000				1.494				0.450	0.179	12.880	0.00
12/17/23	7.640	11.7		0.1	2.834				0.000				1.537				0.450	0.176	13.020	0.00
12/18/23	7.850	12.5	13.4	0.1	2.458	6.1	6.0	0.1	0.000				1.406				0.450	0.175	13.020	0.08
12/19/23	7.820	10.8		<0.1	3.184	5.0	7.0	<0.1	0.000				1.467	27.4	13.5	<0.1	0.450	0.176	12.930	0.02
12/20/23	7.790	9.1	7.1	<0.1	3.160	5.0	10.0	<0.1	0.020	1.9	1.7	<0.1	1.602	20.6	12.0	<0.1	0.460	0.176	13.060	0.49
12/21/23	8.220	8.1	8.0	<0.1	3.420	5.2	11.0	0.1	0.000				1.658	18.8	8.4	<0.1	0.460	0.179	14.450	0.33
12/22/23	8.340	9.0	6.3	<0.1	2.943	4.9	4.0	<0.1	0.000				1.606	11.0	6.1	<0.1	0.460	0.175	14.580	0.28
12/23/23	8.180	11.3	14.7		3.295		5.0		0.000				1.576	8.6	4.9	<0.1	0.460	0.175	14.250	0.01
12/24/23	7.990	14.5	17.1	<0.1	3.279				0.000				1.552				0.460	0.180	14.160	0.00
12/25/23	7.820	14.9	13.2	<0.1	3.260	6.6		<0.1	0.000				1.473	11.6	5.5	<0.1	0.460	0.175	14.120	0.00
12/26/23	7.140	16.2	11.3	<0.1	2.888	7.0	4.0	<0.1	0.000				1.578	10.0	4.8	<0.1	0.460	0.175	12.860	0.00
12/27/23	7.440	28.3	22.3	0.1	3.084	7.6	11.0	0.1	0.008	0.8	1.7	<0.1	1.576	6.2	5.0	<0.1	0.460	0.179	13.780	0.00
12/28/23	7.760	15.4	11.9	<0.1	3.111	5.0	4.0	0.1	0.000				1.519	7.0	4.6	<0.1	0.460	0.176	13.710	0.00
12/29/23	7.790	14.7	8.5	<0.1	2.905	6.6	5.0	<0.1	0.000				1.498	5.6	3.8	<0.1	0.460	0.175	13.660	0.00
12/30/23	7.580	13.3	9.2		3.047		5.0		0.000				1.511				0.460	0.176	13.180	0.48
12/31/23	7.970	16.6	13.3	<0.1	3.135				0.000				1.553				0.460	0.178	13.950	0.09
AVG	7.711	13.3	12.2	<0.1	3.001	5.7	5.5	<0.1	0.001	1.6	2.2	<0.1	1.512	12.0	6.7	<0.1	0.380	0.176	13.309	
TOTAL	239.040				93.040				0.045				46.883				11.770	5.469	412.570	1.82

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 13:27

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	12/04/23	12:20	60	40	20	None	None	None	None	Green		Slightly Turbid		
S1	12/04/23	12:24	20	<20	10	None	None	None	None	Green		Slightly Turbid		
S2	12/04/23	11:50	<20	<20	10	None	None	None	None	Green		Slightly Turbid		
DSB5	12/04/23	11:54	100	<20	4	None	None	None	None	Green		Slightly Turbid		
S3	12/04/23	12:36	20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	12/04/23	12:37	20	20	2	None	None	None	None	Green		Slightly Turbid		
S5	12/04/23	12:42	20	20	4	None	None	None	None	Green	62	Slightly Turbid		
DSB1	12/04/23	12:45	20	20	8	None	None	None	None	Green		Slightly Turbid		
SJC1	12/04/23	11:53	100	<100	40	None	None	None	None	Green		Slightly Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 06:59

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	12/11/23	09:55	<20	<20	<2	None	None	None	None	Green		Clear		
S1	12/11/23	09:40	20	60	4	None	None	None	None	Green		Clear		
S2	12/11/23	10:15	20	20	6	None	None	None	None	Green	60	Slightly Turbid		
DSB5	12/11/23	10:25	40	20	22	None	None	None	None	Green		Slightly Turbid		
S3	12/11/23	09:30	20	20	6	None	None	None	None	Green		Clear		
DSB4	12/11/23	09:20	60	60	36	None	None	None	None	Green		Clear		
S5	12/11/23	09:10	<20	<20	6	None	None	None	None	Green		Clear		
DSB1	12/11/23	08:50	20	20	10	None	None	None	None	Green		Clear		
SJC1	12/11/23	10:05	900	1200	880	None	None	None	None	Green		Slightly Turbid		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.



South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 07:58

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	12/18/23	09:20	200	100	52	None	None	None	None	Green	61	Turbid		
S1	12/18/23	09:25	<20	20	20	None	None	None	None	Green		Turbid		
S2	12/18/23	09:10	<20	<20	8	None	None	None	None	Green		Turbid		
DSB5	12/18/23	08:45	<20	40	10	None	None	None	None	Green		Turbid		
S3	12/18/23	09:25	<20	<20	300	None	None	None	None	Green		Slightly Turbid		
DSB4	12/18/23	09:25	40	40	42	None	None	None	None	Green		Slightly Turbid		
S5	12/18/23	09:35	100	20	4	None	None	None	None	Green		Slightly Turbid		
DSB1	12/18/23	09:45	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	12/18/23	09:00	540	440	290	None	None	None	None	Green		Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2023  
 REPORT DUE: February 1, 2024  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 08:55  
 Weather: Partly Cloudy  
 COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	12/28/23	08:50	50	10	20	None	None	None	None	Green		Slightly Turbid		
S1	12/28/23	08:40	60	40	40	None	None	None	None	Green		Slightly Turbid		
S2	12/28/23	09:25	80	20	10	None	None	None	None	Green		Slightly Turbid		
DSB5	12/28/23	09:35	3400	140	90	None	None	None	None	Green		Slightly Turbid		
S3	12/28/23	08:40	50	<10	20	None	None	None	None	Green		Slightly Turbid		
DSB4	12/28/23	08:35	80	10	20	None	None	None	None	Green		Clear		
S5	12/28/23	08:30	80	20	50	None	None	None	None	Green		Clear		
DSB1	12/28/23	08:25	160	40	110	None	None	None	None	Green	57	Clear		
SJC1	12/28/23	09:05	100	<100	50	None	None	None	None	Brown		Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.



## San Juan Creek Ocean Outfall

### Unified Beach Water Quality Monitoring Stations

SOCWA's NPDES discharge permit requires participation in the South Orange County Unified Beach Water Quality Monitoring Program. The monitoring stations below are tested by SOCWA at least once per week for Total and Fecal Coliform and Enterococcus Bacteria.

Station	Location
DSB 5	Doheny Beach – North Creek Outlet 1500' up-coast from SJCOO
S2	Doheny Beach- Midway between Jetty and San Juan Creek
SJC1	San Juan Creek Mouth – up-coast from SJCOO
S0	Doheny Beach at Outfall; surf line over SJCOO
S1	Doheny Beach Campground; 1,000' down-coast from SJCOO
DSB 4	Doheny State Beach; 1,900' down-coast from SJCOO
S3	South Day Use; 2000' down-coast from SJCOO
S5	Doheny Beach near overpass; 3000' down-coast from SJCOO
DSB 1	End of Doheny State Beach; 3500' down-coast from SJCOO

MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

Report For: December 2023

Report Frequency: Monthly

Report Due: February 1, 2024

Sample Source: Receiving water, nearshore and offshore

Sampling Frequency: Monthly

Exact Sample Points: As specified in permit

Type of Sample: Grab

Samples Collected By: Seaventures/SOCWA staff

Samples Analyzed By: SOCWA Lab

Comments: High Tide 07:32

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	12/12/23	<2	<2	<2	751	0	0	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Mid depth	12/12/23	<10	<10	<10				
A-2	Surface	12/12/23	<2	<2	<2	757	0	0	
A-2	Mid depth	12/12/23	<10	<10	<10				
A-3	Surface	12/12/23	206	134	24	801	0	0	
A-3	Mid depth	12/12/23	350	150	50				
A-4	Surface	12/12/23	20	10	<2	809	0	0	
A-4	Mid depth	12/12/23	10	<10	10				
A-5	Surface	12/12/23	184	126	40	807	0	0	
A-5	Mid depth	12/12/23	220	210	30				
B-1	Surface	12/12/23	<2	<2	<2	744	0	0	
B-1	Mid depth	12/12/23	<10	<10	<10				
B-2	Surface	12/12/23	20	2	<2	822	0	0	
B-2	Mid depth	12/12/23	10	10	<10				
N1	Surface	12/12/23	<2	<2	<2	840	0	0	
N2	Surface	12/12/23	<2	<2	<2	835	0	0	
N3	Surface	12/12/23	4	<2	<2	834	0	0	
N4	Surface	12/12/23	10	<2	<2	832	0	0	
N5	Surface	12/12/23	4	2	2	831	0	0	
N6	Surface	12/12/23	92	66	10	829	0	0	

REQUIREMENT: (1) Floating particulates and grease and oil shall not be visible. (2) The discharge of waste shall not cause aesthetically undesirable discoloration of the ocean surface.

Receiving Water Limitations: (1)30-Day geometric mean of fecal coliform density not to exceed 200CFU/100 mL

calculated based on the five most recent samples from each site (2)single sample max not to exceed 400 CFU/100mL

(3) Enterococcus 6-week rolling geometric mean not to exceed 30 CFU/100 mL, calculated weekly. (4) Statistical threshold value (STV)

of 110 CFU/100 mL for enterococcus not to be exceeded by more than 10% of samples collected in a calendar month, calculated in a static manner

**Compliance Summary Report  
San Juan Creek Ocean Outfall 2023**

SJCOO Permit Order No. R9-2022-0005							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SOCWA	4/8/2023	Settleable Solids	Weekly	ml/L	3.0 ml/L	Not Reported	\$3,000.00
SMWD	11/18/2023	Total Suspended Solids	Daily	mg/L	Daily	Not Reported	\$3,000.00
SMWD	11/18/2023	pH	Daily	Standard Units	Daily	Not Reported	\$3,000.00
MNWD - 3A	11/25/2023	Total Suspended Solids	Weekly	mg/L	45.0 mg/L	48.0 mg/L	\$3,000.00
SOCWA	11/30/2023	TCDD	Monthly Average	ug/L	0.00000039	0.00000101	\$3,000.00

**SOCWA and MEMBER AGENCY FACILITIES  
 SJCOO Spill / Overflow Report Log - 2023  
 Order No. R9-2022-0005 ~ NPDES Permit No. CA0107417**

Reporting Agency	Responsible Agency	Estimated Volume (Gallons)	Type of Discharge	Location/Comments	Receiving Waters	Date Reported To State	Date Resolved
No spills during this monitoring period.							

## Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
TCWD - RRWRP	1/3/2023	TDS	12 month	mg/L	1000	1078	
SOCWA - RTP	1/9/2023	TDS	12-Month	mg/L	1000	1274	
SOCWA - RTP	1/9/2023	TDS	Daily Maximum	mg/L	1100	1230	
SOCWA - RTP	1/9/2023	Manganese	12-Month	mg/L	0.05	0.100	
SOCWA - CTP	1/9/2023	Manganese	12-Month	mg/L	0.05	0.130	
MNWD - 3A	1/9/2023	TDS	12-Month	mg/L	1000	1169	
MNWD - 3A	1/9/2023	TDS	Daily Maximum	mg/L	1100	1230	
MNWD - 3A	1/9/2023	Manganese	12-Month	mg/L	0.05	0.08	
TCWD - RRWRP	2/7/2023	TDS	12 month	mg/L	1000	1170	
SOCWA - RTP	2/2/2023	TDS	12-Month	mg/L	1000	1086	
SOCWA - RTP	2/2/2023	TDS	Daily Maximum	mg/L	1100	1390	
SOCWA - RTP	2/2/2023	Manganese	12-Month	mg/L	0.05	0.110	
SOCWA - CTP	2/2/2023	Manganese	12-Month	mg/L	0.05	0.080	
TCWD - RRWRP	3/7/2023	TDS	12 month	mg/L	1000	1083	
SOCWA - RTP	3/2/2023	TDS	12-Month	mg/L	1000	1307	
SOCWA - RTP	3/2/2023	TDS	Daily Maximum	mg/L	1100	1480	
SOCWA - RTP	3/2/2023	Manganese	12-Month	mg/L	0.05	0.110	
SOCWA - CTP	3/2/2023	Manganese	12-Month	mg/L	0.05	0.080	
TCWD - RRWRP	4/4/2023	TDS	12 month	mg/L	1000	1092	
TCWD - RRWRP	4/4/2023	TDS	Daily Maximum	mg/L	1100	1130	
SOCWA - RTP	4/21/2023	TDS	12-Month	mg/L	1000	1325	
SOCWA - RTP	4/21/2023	TDS	Daily Maximum	mg/L	1100	1490	
SOCWA - RTP	4/21/2023	Manganese	12-Month	mg/L	0.05	0.120	
SOCWA - CTP	4/12/2023	Manganese	12-Month	mg/L	0.05	0.080	
MNWD - 3A	4/21/2023	TDS	12-Month	mg/L	1000	1159	
MNWD - 3A	4/21/2023	TDS	Daily Maximum	mg/L	1100	1120	
MNWD - 3A	4/21/2023	Manganese	12-Month	mg/L	0.05	0.08	



Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
TCWD - RRWRP	5/2/2023	TDS	12 month	mg/L	1000	1083	
MNWD - RTP	5/9/2023	TDS	12-Month	mg/L	1000	1313	
MNWD - RTP	5/9/2023	TDS	Daily Maximum	mg/L	1100	1160	
MNWD - RTP	5/9/2023	Manganese	12-Month	mg/L	0.05	0.120	
SOCWA - CTP	5/9/2023	Manganese	12-Month	mg/L	0.05	0.080	
MNWD - 3A	5/3/2023	TDS	12-Month	mg/L	1000	1138	
MNWD - 3A	5/3/2023	Manganese	12-Month	mg/L	0.05	0.09	
TCWD - RRWRP	6/6/2023	TDS	12 month	mg/L	1000	1062	
MNWD - RTP	6/6/2023	TDS	12-Month	mg/L	1000	1130	
MNWD - RTP	6/6/2023	TDS	Daily Maximum	mg/L	1100	1302	
MNWD - RTP	6/6/2023	Manganese	12-Month	mg/L	0.05	0.120	
SOCWA - CTP	6/6/2023	Manganese	12-Month	mg/L	0.05	0.080	
MNWD - 3A	6/5/2023	TDS	12-Month	mg/L	1000	1140	
MNWD - 3A	6/5/2023	TDS	Daily Maximum	mg/L	1100	1180	
MNWD - 3A	6/5/2023	Manganese	12-Month	mg/L	0.05	0.08	
TCWD - RRWRP	7/6/2023	TDS	12 month	mg/L	1000	1049	
MNWD - RTP	7/2/2023	TDS	12-Month	mg/L	1000	1286	
MNWD - RTP	7/2/2023	Manganese	12-Month	mg/L	0.05	0.130	
MNWD - RTP	7/2/2023	Manganese	12-Month	mg/L	0.05	0.080	
MNWD - 3A	7/20/2023	TDS	12-Month	mg/L	1000	1135	
MNWD - 3A	7/20/2023	Manganese	12-Month	mg/L	0.05	0.09	
TCWD - RRWRP	8/1/2023	TDS	12 month	mg/L	1000	1038	
MNWD - RTP	8/15/2023	TDS	12-Month	mg/L	1000	1275	
MNWD - RTP	8/15/2023	Manganese	12-Month	mg/L	0.05	0.090	
SOCWA - CTP	8/15/2023	Manganese	12-Month	mg/L	0.05	0.08	
MNWD - 3A	8/7/2023	TDS	12-Month	mg/L	1000	1115	
MNWD - 3A	8/7/2023	Manganese	12-Month	mg/L	0.05	0.12	

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
TCWD - RRWRP	9/5/2023	TDS	12 month	mg/L	1000	1036	
MNWD - RTP	9/5/2023	TDS	12-Month	mg/L	1000	1267	
MNWD - RTP	9/5/2023	Manganese	12-Month	mg/L	0.05	0.120	
SOCWA - CTP	9/23/2023	Manganese	12-Month	mg/L	0.05	0.08	
MNWD - 3A	9/5/2023	TDS	12-Month	mg/L	1000	1099	
MNWD - 3A	9/5/2023	Manganese	12-Month	mg/L	0.05	0.12	
TCWD - RRWRP	10/3/2023	TDS	12 month	mg/L	1000	1017	
MNWD - RTP	10/2/2023	TDS	12-Month	mg/L	1000	1262	
MNWD - RTP	10/2/2023	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	10/10/2023	Manganese	12-Month	mg/L	0.05	0.08	
MNWD - 3A	10/2/2023	TDS	12-Month	mg/L	1000	1103	
MNWD - 3A	10/2/2023	Manganese	12-Month	mg/L	0.05	0.09	
TCWD - RRWRP	11/7/2023	TDS	12 month	mg/L	1000	1022	
TCWD - RRWRP	11/7/2023	TDS	Daily Maximum	mg/L	1100	1150	
MNWD - RTP	11/2/2023	TDS	12 month	mg/L	1000	1263	
MNWD - RTP	11/2/2023	TDS	Daily Maximum	mg/L	1100	1270	
MNWD - RTP	11/2/2023	Manganese	12-Month	mg/L	0.05	0.100	
SOCWA - CTP	11/2/2023	Manganese	12-Month	mg/L	0.05	0.10	
MNWD - 3A	10/5/2023	TDS	12-Month	mg/L	1000	1094	Offline
MNWD - 3A	10/5/2023	Manganese	12-Month	mg/L	0.05	0.11	Offline
TCWD - RRWRP	12/5/2023	TDS	12 month	mg/L	1000	1003	
MNWD - RTP	12/6/2023	TDS	12 month	mg/L	1000	1256	
MNWD - RTP	12/6/2023	TDS	Daily Maximum	mg/L	1100	1250	
MNWD - RTP	12/6/2023	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	12/1/2023	Manganese	12-Month	mg/L	0.05	0.08	
MNWD - 3A	10/5/2023	TDS	12-Month	mg/L	1000	1085	Offline
MNWD - 3A	10/5/2023	Manganese	12-Month	mg/L	0.05	0.09	Offline

# Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Dec 31, 2023

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average
									***
TDS	mg/L	1000	1003.00	Offline	819.00	876.00	1085.00	1256.00	1043.00
Chloride	mg/L	375	225.00	Offline	211.00	235.00	213.00	264.00	268.00
Sulfate	mg/L	400	354.00	Offline	202.00	198.00	333.00	358.00	308.00
Sodium	mg/L	None	53.00	Offline	150.00	173.00		185.00	170.00
Alkalinity	mg/L	None	-	Offline	-	-		273.00	197.00
Adjusted SAR	Ratio	None	3.98	Offline	4.61	5.61	3.30	3.95	4.20
Iron	mg/L	0.3	.02	Offline	.07	.02	.17	.19	.13
Manganese	mg/L	0.05	.00	Offline	.04	.01	0.09	.13	.08
MBAS	mg/L	0.5	ND	Offline	ND	ND	<0.03	<0.08	<0.08
Boron	mg/L	0.75	.32	Offline	.28	.27	.33	.39	.33
Fluoride	mg/L	None	.67	Offline	.70	.87	.71	.85	.84
Total Organic Carbon	mg/L	None	6.20	Offline	10.40	6.90	2.30	10.20	7.40

\*\*\* The CTP 12-month permit limits are listed below:

TDS            1200 mg/L  
Chloride      400 mg/L  
Sulfate        500 mg/L

SOCWA Service Area  
Recycled Water Production (ac-ft)  
2023

Agency	Facility or Region	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Jul '23	Aug '23	Sep '23	Oct '23	Nov '23	Dec '23	Annual Totals
CSJC 1	3-A Plant/MNWD	.00	.00	-1.79	-8.63	.00	.00	.00	.00	.00	.00	.00	.00	-10.42
CSJC 2	Chiquita/SMWD	.29	4.74	.71	25.98	35.03	47.21	52.09	41.00	37.92	32.20	3.87	.40	281.44
CSJC 3	Non-Domestic Well	10.40	27.80	5.70	11.90	20.08	19.50	53.65	37.73	30.00	32.50	42.66	27.89	319.81
ETWD	Region 8	16.43	40.04	12.22	89.54	99.75	147.99	240.39	179.40	151.54	124.58	103.61	33.42	1238.90
IRWD														
4	IRWD - 8	21.73	53.01	10.23	48.46	96.69	119.50	189.89	189.89	187.63	141.18	122.41	84.25	1264.86
4	IRWD - 9	8.13	22.80	2.69	29.28	44.09	51.61	79.05	79.05	74.93	53.15	58.68	33.00	536.46
SCWD	SOCWA CTP	5.64	44.41	9.09	40.22	59.37	65.93	82.77	107.40	33.73	49.09	68.99	51.46	618.10
MNWD	JRP	174.19	247.35	149.73	297.08	407.52	309.19	568.27	474.36	446.09	381.46	321.19	245.17	4021.60
	3-A Plant	130.46	6.55	.00	57.46	148.14	146.82	146.43	133.23	132.73	114.10	.00	.00	1015.92
5	CTP	1.07	4.00	.00	.00	-32.42	-38.93	-30.03	4.43	-39.92	-6.34	8.77	3.33	-126.04
SMWD	Oso Creek													
	Chiquita	546.20	452.32	555.10	489.33	498.88	494.18	496.02	512.11	487.62	498.02	494.67	526.28	6050.74
	Nichols	1.50	1.35	1.52	1.34	1.47	1.52	1.90	2.15	1.88	1.55	1.38	1.60	19.15
TCWD	RRWRP	56.19	37.03	34.85	28.41	39.18	27.57	40.74	43.35	38.05	40.59	34.26	37.03	457.25
TOTALS		972.20	941.41	780.04	1110.37	1417.78	1392.09	1921.17	1804.09	1582.20	1462.07	1260.49	1043.83	15687.78

- 1 Denotes transfer of recycled water from MNWD (3A Plant) for use in the CSJC service area. Not counted as additional production.
  - 2 Denotes recycled water purchased from SMWD Chiquita-WRP used in the CSJC service area. Not counted as additional production.
  - 3 Denotes nondomestic groundwater produced from wells used for landscape irrigation.
  - 4 IRWD production is from recycled water production, nonpotable water wells, and surface water impoundments
  - 5 Denotes transfer of recycled water from SCWD (SOCWA CTP) for use in the MNWD service area. Not counted as additional production.
- Note: All of ETWD reclaimed water produced and used in Region 8.  
NR = No Report

# Pretreatment Report

# Agenda Item

# 5.D.

**Legal Counsel Review:** No

**Meeting Date:** February 1, 2024

**TO:** Board of Directors

**FROM:** Jim Burror, Acting General Manager/Director of Operations

**STAFF CONTACT:** Katie Greenwood, Source Control Manager

**SUBJECT:** Monthly Pretreatment Report – December 2023 and January 2024  
San Juan Creek Ocean Outfall  
NPDES Permit #CA0107417 Order # R9-2022-0005  
Aliso Creek Ocean Outfall  
NPDES Permit #CA0107611 Order # R9-2022-0006

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## Summary of Program Activities

SOCWA Staff is in the process of reviewing the 2023 annual influent/effluent sampling result data for eight treatment plants including SOCWA (JBL, CTP, RTP), SMWD (Chiquita), MNWD (3A), CSC, IRWD (Alisos) and ETWD. Upon review, the data is entered into the Water Information Management Solution (WIMS) database so it may be uploaded electronically to the State CA Integrated Water Quality System (CIWQS) database. Staff is also working on completing the narrative portion of the 2023 SOCWA Annual Pretreatment report. The final report is due to the RWQCB-SD by the due date of March 1, 2024.

## Permit Related Activities

The following Wastewater Discharge (WD) Permits, Special Wastewater Discharge (SWD) Permits, Nuisance Water-Special Wastewater Discharge (NSWD) Permits, Non-Industrial Wastewater Discharge (NIWD) forms, and BMP letters were issued or are in the process of being drafted for issuance:

SCWD – NSWD Permit No. SCWD-N4-011 – OC Public Works Poche Beach – Renewal NSWD Permit to continue to allow backwash wastewater from the treatment system to be discharged to the sewer. The current permit expired October 1, 2023. SOCWA Staff is waiting to receive a renewal permit application from County Staff and SCWD Staff who are working on an Amendment to the existing Agreement between Orange County and SCWD to extend the Agreement dates. Once all is finalized, a renewal permit may be issued. County Staff confirmed that the treatment system has been shut down for the season and remains off unless special written approval is granted.

## Trainings and Committee Meetings Attended

SOCWA Staff continue to attend monthly OC Strike Force Meetings to receive and share legal information related to environmental cases and incidents throughout the county.

On January 4, 2023, Staff listened in on a virtual meeting with NACWA Pretreatment and Biosolids Management Committees and EPA to discuss the proposed POTW Influent Study.

### Inspections

IRWD - On December 5, 2023, SOCWA and IRWD Staff inspected and sampled the Herbalife facility locate at 20481 Crescent Bay in Lake Forest. The inspection yielded no major findings and all sampled parameters measured in compliance with permit requirements.

### Summary of IWS Activities in SOCWA’s Service Area - YTD through January 17, 2024

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSes	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	110	15	0	0	143
CSC (S)	1	10	35	18	181	1265	37	0	0	1546
CSJC (S)	1	0	27	59	142	1691	29	0	0	1948
ETWD (M)	0	3	88	0	262	131	50	0	0	487
EBSU (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	0	4	51	21	63	915	18	0	0	1072
MNWD (S)	6	6	120	38	649	2136	150	0	0	3099
SMWD (S)	2	10	19	20	214	836	52	0	0	1151
SCWD (S)	0	7	33	7	148	186	15	0	0	397
TCWD (S)	0	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	5	1	0	0	0	0	0	0	6
<b>Totals</b>	<b>10</b>	<b>49</b>	<b>387</b>	<b>168</b>	<b>1674</b>	<b>7303</b>	<b>368</b>	<b>0</b>	<b>0</b>	<b>9901</b>

(S) = SOCWA conducts PT program  
(M) = MA conducts PT program /w SOCWA  
(U) = Urban Diversion Only

NIWD = Non-industrial Waste Discharger  
BMP = Best Management Practices  
FSE = Food Service Establishment

YTD = Year to Date  
OSE = Other Surveyed Establishment  
DSE = Dental Surveyed Establishment



# Agenda Item

# 5.E.

**Board of Directors Meeting**

**Meeting Date:** February 1, 2024

**TO:** Board of Directors  
**FROM:** Jim Burror, Acting General Manager/Director of Operations  
**STAFF CONTACT:** Roni Grant, Associate Engineer  
**SUBJECT:** Capital Improvement Program Status Report (January)

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The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages. Below are updates for the previous month for the major construction projects currently underway at SOCWA facilities.

## **J.B. Latham Package B**

*Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building Seismic Retrofit, and Minor Rehabilitation of Digester 4:*

*This is the last report that will include the Package B project since all the remaining outstanding change orders were approved in December 2023. Staff will provide separate updates regarding the ongoing time impact claim as necessary.*

## **J.B. Latham Centrate Line Upgrades**

*Replacement of valves and piping in the centrate system located in the Dewatering Building.*

The notice to proceed (NTP) has been issued to SS Mechanical. Staff is working with the contractor to start procuring valves and piping for this project.

## **Coastal Treatment Plant Diffusers Upgrades**

*Replacement of diffusers and air headers in the aeration basins.*

The NTP has been issued to Filanc. Staff is working with the contractor to start the project.

**Recommended Action:** Information Item.

SOCWA CIP Workplan

Project Number	Project Name	FY 24 Budget	Status	FY 2023/2024				FY 2024/2025			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>PC 2 - J.B. Latham Treatment Plant</b>											
3220/3231/3287	Facility Improvements B	\$ 2,400,000	Construction complete								
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehab	\$ -			D	D	B&A	C			
32231C	Process Water Repiping	\$ -		P	P	P					
3216/32225S	Energy Building Upgrades	\$ -			D	D	D				
3252	MCC M and G Replacement	\$ 1,000,000	Design underway	D	D	B&A	B&A	B&A	C	C	C
3234	Centrate Piping Reconstruction	\$ 150,000	Design underway	D	B&A	C	C	C	C		
32226L	Effluent Pump Station Upgrades	\$ 200,000	NTP has been issued		D	D	B&A	C	C	C	C
32233S	Scum Line Replacement	\$ 125,000			D	B&A	C	C			
32244S	Digester Gas and Flare Piping Improvements	\$ 75,000				P	P	D	D	D	D
32243L	Plant 2 Headworks Rehabilitation	\$ 200,000				D	D	D	D	B&A	C
32244L	Plant 2 Primary Clarifier Condition Assessment	\$ 50,000						CA			
32243C	SCADA Server Replacement	\$ 200,000									
<b>PC 5 - San Juan Creek Ocean Outfall</b>											
36241O	SJCOO Outfall Ballast Repairs	\$ 250,000			P	B&A	C	C			
<b>PC 15 - Coastal Treatment Plant</b>											
3541	Export Sludge Environmental Mitigation	\$ -	Mitigation work ongoing	ENV	ENV	ENV	ENV	ENV	ENV	ENV	ENV
35228L	Aeration Diffuser Replacement	\$ 1,250,000	NTP has been issued	B&A	C	C	C				
3525	Personnel Building Reconstruction	\$ 400,000	Design underway	D	D	B&A	C	C			
35221L	Auxiliary Blower Building Roof	\$ 50,000		69	B&A	C	C				
3522AL	Drainage Pump Station	\$ 200,000	Conceptual design underway	D	D	D	D	D	D	B&A	C
35235L	Odor Control Scrubber Improvements	\$ 100,000			D	D	D				
35245L	Aeration Deck Grating Replacement	\$ 50,000			D	D	B&A	C	C		
35246L	West Primary Sludge Skimmers and Launderers/Weirs	\$ 150,000			D	D	D	B&A	C	C	C
35247L	Aeration Blower System Upgrades	\$ 75,000			P	P					
35248L	AWMA Road Repairs	\$ 200,000			P	B&A	C	C			
35249L	SCADA Server Replacement	\$ 200,000									

SOCWA CIP Workplan

Project Number	Project Name	FY 24 Budget	Status	FY 2023/2024				FY 2024/2025			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>PC 17 - Regional Treatment Plant</b>											
3742	Aeration System Upgrades	\$ -			P	P					
37241L	Grit/Primary Grating/Gate Replacement	\$ 150,000			D	B&A	C	C	C		
37242L	Aeration Influent/Effluent Gate Replacement	\$ 100,000			D	D	B&A	C	C	C	
37244C	MCC Replacement/Power System Improvements	\$ 200,000			P	D	D	D	D	D	D
37245S	Digester Gas System Improvements	\$ 200,000				D	D	D	B&A	C	C
37246S	Digester 1 Piping Replacement	\$ 250,000				D	D	D	B&A	C	C
37247S	Odor Scrubber 1 Replacement	\$ 15,000					P	P			
37243C	SCADA Server Replacement	\$ 200,000									
<b>PC 21 - Effluent Transmission Main</b>											
3105/3106	Air Valve Replacement (D&E)	\$ 75,000	Design underway	D	D	D	B&A	C			
3101	Trail Bridge Crossing (D)	\$ 150,000	Planning/design underway	P	P	D	D	B&A			
<b>PC 24 - Aliso Creek Ocean Outfall</b>											
3480	Internal Seal Replacement	\$ 250,000	Construction complete	C	C						
34241O	ACOO Outfall Ballast Repairs	\$ 250,000			P	B&A	C	C			

- P** Planning
- CA** Condition Assessment
- ENV** Environmental/Permitting
- D** Design
- B&A** Bidding and Award
- C** Construction

*Note: Projects with zero budget had funds collected in a prior fiscal year.*

# Agenda Item

# 5.F.

**Board of Directors Meeting**

**Meeting Date:** February 1, 2024

**TO:** Board of Directors

**FROM:** Jim Burror, Acting General Manager/Director of Operations

**STAFF CONTACT:** Roni Grant, Associate Engineer

**SUBJECT:** Capital Improvement Construction Projects Progress and Change Order Report (January) [Project Committee Nos. 2 and 15]

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## Overview

This agenda item provides an update on projects in construction, including any change orders. Attached are the updated CIP reports.

## Project Updates

### JBL Package B

The project is complete, and Staff continues to work with the Construction Management team to close out all outstanding items.

*This is the last report that will include the Package B project since all the remaining outstanding change orders were approved in December 2023. Staff will provide separate updates regarding the ongoing time impact claim as necessary.*

### JBL Centrate Line Upgrades

The notice to proceed (NTP) has been issued to SS Mechanical. Staff is working with the contractor to start procuring valves and piping for this project.

### CTP Diffusers Replacement

The NTP has been issued to Filanc. Staff is working with the contractor to start the project in 2024.

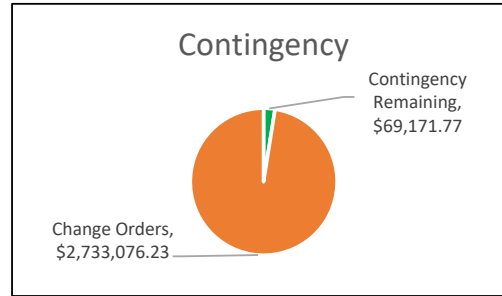
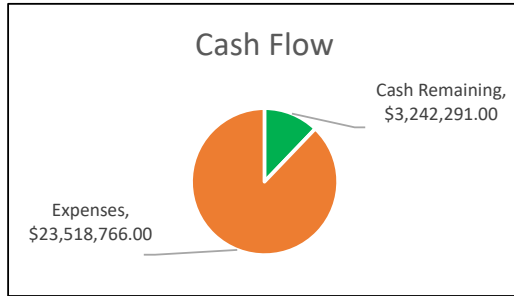
**Recommended Action:** Information Item.

**Project Financial Status**

Project Committee	2
Project Name	Package B
Project Description	Plant 1 basin repairs, DAF rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation

**Data Last Updated**

January 4, 2024



**Cash Flow**

Collected	\$ 26,761,057.00
Expenses	\$ 23,518,766.00

**Project Completion**

Schedule	100%
Budget	99%

**Contracts**

Company	PO No.	Original	Change Orders	Amendments	Total	Invoiced
Olsson	13497	\$ 17,325,000.00	\$ 1,784,746.58		\$ 19,109,746.58	\$ 19,109,746.58
Butier	13647	\$ 895,727.00		\$ 1,005,251.00	\$ 1,900,978.00	\$1,900,978.00
Carollo	13616	\$ 846,528.00		\$ 616,037.00	\$ 1,462,565.00	\$1,397,211.66
TetraTech	13605	\$ 94,000.00		\$ -	\$ 94,000.00	\$ 93,884.70
Ninyo & Moore	14279	\$ 49,399.00		\$ 30,000.00	\$ 79,399.00	\$ 50,166.27
ADS Environmental	16452	\$ 107,200.00	\$ -		\$ 107,200.00	\$ 61,875.00
Dudek	17401	\$ 48,360.00		\$ -	\$ 48,360.00	\$ 42,160.00
		<b>\$ 19,366,214.00</b>	<b>\$ 1,784,746.58</b>	<b>\$ 1,651,288.00</b>	<b>\$ 22,802,248.58</b>	<b>\$ 22,656,022.21</b>

**Contingency**

Area	Project Code	Amount **	Change Orders^	Total Remaining	Percent Used
Liquids	3220-000	\$ 1,219,679.00	\$ 1,194,892.44	\$ 24,786.56	98.0%
Common	3231-000	\$ 38,120.00	\$ 9,842.77	\$ 28,277.23	25.8%
Solids	3287-000	\$ 1,544,449.00	\$ 1,528,341.02	\$ 16,107.98	99.0%
		<b>\$ 2,802,248.00</b>	<b>\$ 2,733,076.23</b>	<b>\$ 69,171.77</b>	<b>97.5%</b>

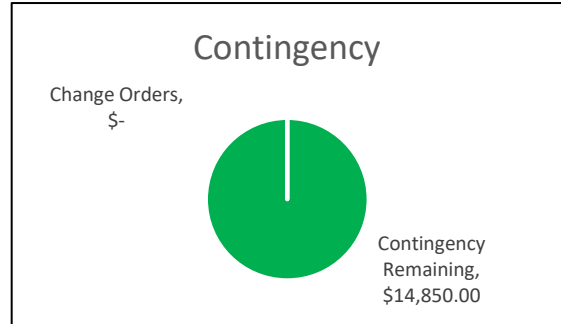
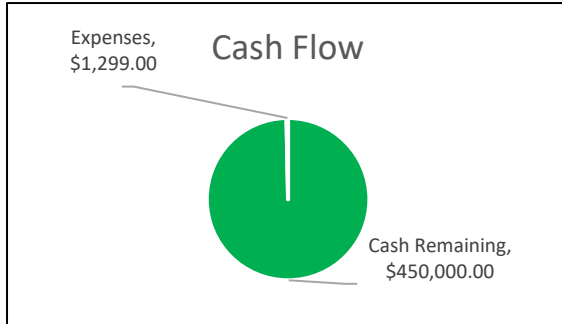
\*\* Amount reflects contingency for Construction Contracts only

**Project Financial Status**

Project Committee	2
Project Name	Centrate Line Upgrades - 3234
Project Description	Removal and replacement of centrate drain piping, non-potable water piping in the Solids Dewatering Building

**Data Last Updated**

January 4, 2024



**Cash Flow**

Collected	\$ 450,000.00
Expenses	\$ 1,299.00

**Project Completion**

Schedule	0%
Budget	0%

**Contracts**

Company	PO No.	Original	Change Orders*	Total	Invoiced
S&S Mechanical	19635	\$ 148,455.00		\$ 148,455.00	
Kleinfelder	14234	\$ 71,374.00	\$ -	\$ 71,374.00	\$ 1,299.00
		<b>\$ 219,829.00</b>	<b>\$ -</b>	<b>\$ 219,829.00</b>	<b>\$ 1,299.00</b>

*\*Values include change orders to be reviewed by Engineering Committee*

**Contingency**

Area	Project Code	Amount	Change Orders*	Total Remaining	Percent Used
Solids	3234	\$ 14,850.00		\$ 14,850.00	0.0%
		<b>\$ 14,850.00</b>	<b>\$ -</b>	<b>\$ 14,850.00</b>	<b>0.0%</b>

*\*Values include change orders to be reviewed by Engineering Committee*

**Change Orders**

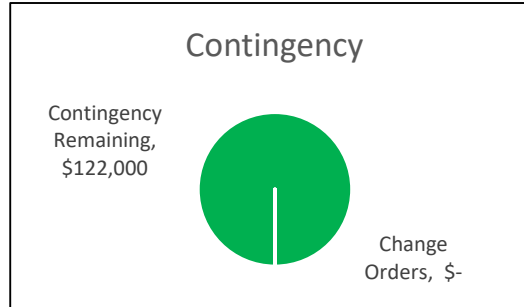
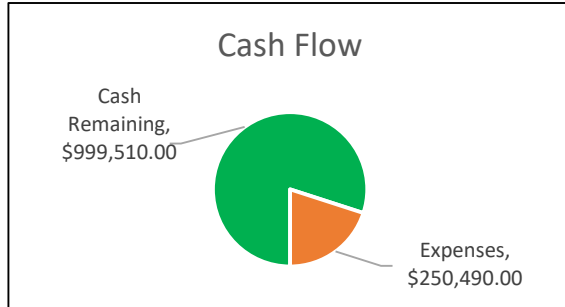
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -

**Project Financial Status**

Project Committee	15
Project Name	CTP Diffusers Replacement
Project Description	Replacement of diffusers in the aeration basins

**Data Last Updated**

January 4, 2024



**Cash Flow**

Collected	\$ 1,250,000.00
Expenses	\$ 250,490.00

**Project Completion**

Schedule	0%
Budget	18%

**Construction Contracts**

Company	PO No.	Original	Change Orders	Amendments	Total	Invoiced
Filanc	19640	\$ 1,022,250.00			\$ 1,022,250.00	\$ -
EDI	16620	\$ 250,490.00			\$ 250,490.00	\$ 250,490.00
Hazen	17256 & 19641	\$ 93,578.00			\$ 93,578.00	\$ -
		<b>\$ 1,366,318.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,366,318.00</b>	<b>\$ 250,490.00</b>

*\*Values include change orders to be reviewed by Engineering Committee and deductive change orders*

**Construction Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35228L	\$ 122,000.00		\$ 122,000.00	0.0%
		<b>\$ 122,000.00</b>	<b>\$ -</b>	<b>\$ 122,000.00</b>	<b>0.0%</b>

# Agenda Item

# 6.A.

**Board of Directors Meeting**

**Meeting Date:** February 1, 2024

**TO:** Board of Directors

**FROM:** Jim Burror/Acting General Manager/Director of Operations

**STAFF CONTACT:** Amber Baylor, Director of Environmental Compliance

**SUBJECT:** Contract Award for Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance [Project Committees 5 and 24]

## Overview

Ballast repair of the Aliso Creek Ocean Outfall (ACOO) and San Juan Creek Ocean Outfall (SJCOO) are a conditional lease requirement in the State Lands Commission (SLC) twenty-five-year leases that were issued by SLC in November 2022. Subsea Global Solutions (SGS) were awarded a contract to inspect the outfalls as a requirement in the SLC lease application. The SGS inspection indicated that there was ballast missing from both the ACOO and the SJCOO in the respective inspection reports. SOCWA staff are moving the maintenance requirement forward as part of the SLC conditions for the outfall leases.

## Cost Allocation

Publication of the bid was initiated October 2023 on the Planet Bids platform. Bids were due December 14, 2023, for restoration of missing ballast for the ACOO and SJCOO. The Engineer's cost estimate was \$240,000. Two bids were received from J.F. Brennan Company, Inc. at \$471,194 and SGS at \$370,000. Table 1 provides the cost breakdown per task as provided in the bid packet.

Table 1 – Bid Summary

<b>Bid Items</b>	<b>J.F. Brennan</b>	<b>SGS</b>
Section 1		
A.1. Mobilization and Demobilization	\$ 72,137.00	\$ 94,950.00
A.2. All other items needed to complete A.1.	\$ 4,843.00	\$ 50.00
Section 2		
B.1. Replacement of missing ballast for Aliso Creek per the specification	\$ 254,800.00	\$ 204,950.00
B.2. All other items needed to complete B.1.	\$ 16,155.00	\$ 50.00



<b>Bid Items</b>	<b>J.F. Brennan</b>	<b>SGS</b>
Section 3		
C.1. Replacement of missing ballast for the San Juan Creek Ocean Outfall per the specification	\$ 116,760.00	\$ 69,950.00
A.2. All other items needed to complete A.1.	\$ 6,499.00	\$ 50.00
B.2. All other items needed to complete B.1.	\$ 471,194.00	\$ 370,000.00

The FY23/24 budget for Project 342410 (ACOO Ballast Repair) is \$250,000, and Project 462410 (SJCOO Ballast Repair) is \$250,000.

Table 1 provides the cost breakdown per bid section. Section 1 was evenly distributed between ACOO and SJCOO member agencies at a cost of \$47,500 per outfall group with the distribution of Section 2 tasks to ACOO member agencies and Section 3 to SJCOO. ACOO represents a significantly higher costs due to a larger amount of ballast needed for maintenance for the outfall. Table 2 provides the breakdown for each member agency for this Project.

Table 2: Cost Allocation per Member Agency

<b>Capacity Rights Ownership (%) and Member Agency Cost (\$)</b>							
<b>ACOO</b>			<b>SJCOO</b>			<b>Total Member Agency Cost (\$)</b>	
			CSC	16.62%	\$ 19,528.50	\$ 19,528.50	CSC
CLB	11%	\$ 27,775.00			\$ -	\$ 27,775.00	CLB
EBSD	0.78%	\$ 1,969.50			\$ -	\$ 1,969.50	EBSD
ETWD	16.30%	\$ 41,157.50			\$ -	\$ 80,951.50	ETWD
IRWD	15.76%	\$ 39,794.00			\$ -	\$ 39,794.00	IRWD
MNWD	43.85%	\$ 110,716.20	MNWD	15.51%	\$ 18,224.25	\$ 128,940.45	MNWD
SCWD	12.31%	\$ 31,082.75	SCWD	12.47%	\$ 14,652.25	\$ 45,735.00	SCWD
			SMWD	55.40%	\$ 65,095.00	\$ 65,095.00	SMWD
	100.00%	\$ 252,500.00		100.00%	\$ 117,500.00	\$ 370,000.00	

**Prior Related Project Committee or Board Action (s)**

This item was reviewed and discussed by the Engineering Committee on January 18, 2024.

**Recommended Action:** The Engineering Committee recommends the following actions:

- a. The PC 24 Board of Directors approve a budget amendment for Project Number 342410 (ACOO Ballast Repair) to increase the budget by \$30,000 to \$280,000, and
- b. The PC 5 and PC 24 Board of Directors: i. find that the Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance Project is statutorily exempt, and ii. approve the contract to Subsea Global Solutions, Inc., for a total amount of \$370,000 for the ACOO and SCJOO Ballast Maintenance Project with a contingency of \$37,000 (10% of the contract).

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044
County Clerk
County of: Orange
P.O. Box 238
Santa Ana, CA 92702

From: (Public Agency): SOCWA
34156 Del Obispo Street
Dana Point, CA 92629
(Address)

Project Title: Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance Project

Project Applicant: SOCWA

Project Location - Specific:

See attachment

Project Location - City: Laguna Beach/Dana Point Project Location - County: Orange

Description of Nature, Purpose and Beneficiaries of Project:
The purpose of this project is to maintain the integrity of the ocean outfall pipes and by protecting the outfall pipes by replacing the missing ballasts. SOCWA's member agencies including: MNWD, SMWD, SCWD, ETWD, EBSD, City of San Clemente and City of Laguna Beach are the beneficiaries of this project.

Name of Public Agency Approving Project: SOCWA

Name of Person or Agency Carrying Out Project: Amber Baylor

Exempt Status: (check one):

- Ministerial (Sec. 21080(b)(1); 15268);
Declared Emergency (Sec. 21080(b)(3); 15269(a));
Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
Categorical Exemption. State type and section number:
Statutory Exemptions. State code number: 21080.21

FILED

OCT 19 2023

ORANGE COUNTY CLERK-RECORDER DEPARTMENT

BY: TN DEPUTY

Reasons why project is exempt:

This project is considered a maintenance project by restoring and maintaining the existing ballasts in the two ocean outfall pipes. The length of maintenance is 50 feet for the Aliso Creek Ocean Outfall and 20 feet for the San Juan Creek Ocean Outfall.

Lead Agency Contact Person: Amber Baylor Area Code/Telephone/Extension: 949-234-5409

If filed by applicant:

- 1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: Amber Baylor Date: 10/19/2023 Title: Director of Environmental

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR:

Project Location -

The marine section of the Aliso Creek Ocean Outfall begins at a location inshore and tunnels under the Pacific Coast Highway and beach parking area and continues offshore ending at a depth of approximately 195 ft below mean seal level (msl).

The marine section of the San Juan Creek Ocean Outfall begins at the junction structure located at the Doheny Beach and ending at a depth of approximately 98 ft below mean sea level (msl).

FILED

OCT 19 2023

ORANGE COUNTY CLERK-RECORDER DEPARTMENT

BY:     TN     DEPUTY

# Agenda Item

# 7.A.

**Budgeted:** Yes

**Budget amount:** \$35,000.00

**Line Item:** 12-5015-02

**Legal Counsel Review:** No

**Meeting Date:** February 1, 2024

**TO:** PC 12 Board of Directors

**FROM:** Jim Burror, Acting General Manager/Director of Operations

**STAFF CONTACT:** Amber Baylor, Director of Environmental Compliance

**SUBJECT:** PC 12 SNMP Professional Services and Budget Adjustment

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## Summary

The 2020 Salt and Nutrient Management Plan was submitted to the San Diego Regional Water Quality Control Board (SDRWQCB) on August 17, 2021. According to the 2019 Recycled Water Policy, the SDRWQCB had six months to review the SNMP to determine if the Plan is compliant with the 2018 Recycled Water Policy. On December 21, 2021, SOCWA received a comment letter on the SOCWA 2020 SNMP, which deemed portions of the SNMP non-compliant with the 2019 Recycled Water Policy. SOCWA staff held biweekly calls with the SDRWQCB to address the concerns articulated in the letter. SOCWA staff utilized the technical permit engineering services of Dr. Michael Welch, an independent consultant. Staff also utilized legal support for Theresa Dunham, an attorney with the firm Kahn, Soares, and Conway, LLP. Ms. Dunham is an industry expert on the implementation of the recycled water policy. The 2020 SOCWA SNMP was the first SNMP in the state of California to be reviewed under the 2019 Policy, thus creating regulatory uncertainty. It is the intent of the additional management and legal support services to complete the final version for a compliant SNMP with the 2019 Recycled Water Policy.

## Discussion/Analysis

For the period ending June 30, 2023, PC12 was 43.6% expended, resulting in an underbudget status of \$196,869. Those monies were not carried over in FY 23-24 as there was regulatory uncertainty on the true costs of the efforts. A lumped parameter linked node model was provided for review by the SDRWQCB on the technical approach, but the application of the model to the San Juan Basin was unclear if the technical approach would be able to meet the needs of the SDRWQCB's key finding that the previous SNMP did not contain a "fate and transport model." On August 31, 2023, SOCWA and Dr. Welch provided a presentation to the SDRWQCB on the technical approach and the key findings of the approach. The SDRWQCB indicated that they would accept the approach after subsequent discussion.

Dr. Welch was then tasked to complete the model runs and provide those results in a narrative summary in Section 6 of the SNMP. That work was completed and billed to SOCWA on January 12, 2024. The completed work will reduce the amount of funds remaining in PC12 to \$0. Additional work to complete the summary of the SNMP is requested of Dr. Welch. Additionally, Tess

Dunham, who the Board previously authorized for up to \$40,000, will complete Section 7 of the SNMP, which will need additional monies to complete this work.

**Advisory Committee Review**

PC12 members have attended relevant meetings and provided comments on drafts of sections for review. Comments, where appropriate, have been included in the draft SNMP.

**Prior Related Project Committee or Board Action(s)**

At the December 9, 2021, SOCWA Board meeting, the SOCWA Board approved consulting services for Dr. Michael Welch in an amount not to exceed \$15,000 per fiscal year. Dr. Welch is also engaged in other permit-related services for the NPDES permits. On February 3, 2022, the SOCWA Board approved additional consulting services from Dr. Welch and Tess Dunham.

**Fiscal Impact**

An increase in FY 23-24 of \$55,000 is requested for PC12 agencies.

<b>PC12 Member Agency</b>	<b>Use Audit Percent Budgeted (%)</b>	<b>Cost (\$)</b>
MNWD	40.66	\$ 22,363.00
SCWD	5.03	\$ 2,766.50
SMWD	50.65	\$ 27,857.50
TCWD	3.66	\$ 2,013.00
<b>Total</b>	<b>100.00</b>	<b>\$ 55,000.00</b>

**Recommended Action:** Staff recommends that the PC 12 Board of Directors i. approve up to \$50,000 per year to Dr. Michael Welch for professional services for FY 2023-24 through FY 2026-27, and ii. approve a PC 12 budget adjustment of \$55,000 for FY 2023-24 to complete SNMP-related services

# Agenda Item

# 7.D.

**Board of Directors Meeting**

**Meeting Date:** February 1, 2024

**TO:** Board of Directors  
**FROM:** Jim Burror, Acting General Manager/Director of Operations  
**SUBJECT:** Acting General Manager's Status Report

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## **ADMINISTRATION**

### **Member Agency Requests**

The General Manager is directed, as of the May 10, 2022, Executive Committee Meeting, to include a summary of Member Agency Requests in the GM Report. The following requests of SOCWA staff have been received and responded to:

- EBSD and SCWD requested additional information on the budget impact assessment for RTP to be operated by MNWD, which was presented by SOCWA staff at the November 2023 Board meeting.
- SOCWA's Acting General Manager/Director of Operations attended a JBL AWT Project Kickoff Meeting held by SMWD on January 29<sup>th</sup>.

## **ENVIRONMENTAL COMPLIANCE/ OPERATIONS/ENGINEERING**

### **FY24-25 Budget**

Staff is preparing information for the upcoming budget. The basic assumptions were presented and discussed with the Finance Committee at their January meeting. The flow and solids assumptions and calculations are being prepared for the Engineering Committee to review at an upcoming meeting.

### **SJCOO NPDES Permit Amendment**

On November 7, 2023, SOCWA, SCWD, and other interested parties, received a notice of public hearing and opportunity to comment from the San Diego Regional Water Quality Control Board (SDRWQCB) for the San Juan Creek Ocean Outfall (SJCOO) NPDES Tentative Order No. R9-2024-0005. The amendment to the permit is necessary so that SCWD can remain in compliance with permit conditions for special studies related to the Doheny Desal facility. The amended order will be before the SDRWQCB for adoption February 14, 2024. SOCWA staff will be present at the meeting to answer any questions related to the amended permit request.

The public notice for the amendment can be found on the SDRWQCB's website:  
[https://www.waterboards.ca.gov/sandiego/board\\_decisions/tentative\\_orders/](https://www.waterboards.ca.gov/sandiego/board_decisions/tentative_orders/)

## **Doheny Desal Project**

SOCWA staff has met with SCWD and consultants for the Doheny Desal Project on the start-up procedures for the Doheny Desal Project. SOCWA staff worked with SCWD on the compliance procedures to ensure that the discharge to the project meets permit conditions at the discharge point and the combined outfall location. SOCWA staff reviewed a compliance procedure memo and submitted the procedure to the SDRWQCB. SOCWA staff is billing time to a special code to SCWD related to any work associated with this special project.

## **NWRI Independent Review Panel on the ROMS-BEC Model**

On January 17-18, 2024, NWRI convened a two-day meeting to review the ROMS-BEC Model for management application. The goals of this Independent Peer Review (IPR) Panel are to: (1) assess model readiness to answer management questions; (2) advise on model uncertainty associated with addressing management questions; and (3) recommend next steps for improving the model readiness.

The State Water Quality Control Board's Deputy Director of Water Quality, Karen Mogus, indicated that the work by the Southern California Coastal Research Project (SCCWRP) which indicate that almost 30% of the Southern California Bight habitat is compressed into a sublethal range due to anthropogenic effects from coastal dischargers. Ms. Mogus indicated that the Water Board's job is to protect water quality and that the staggering effects need to be managed and regulated.

Orange County Sanitation District (OCSan) provided follow-up comments that the model runs were conducted prior to the final Ground Water Recovery System expansion of 130mgd by the Orange County Water District (OCWD). Dr. Steve Weisberg made note that the presentation to the SWRCB where the 30% impact was stated could be +/- 27% or +/- 3% making it uncertain on the true impact of the model. SOCWA staff also provided comments related to the water recycling over the last 50 years and that the outfalls are only discharging 10-20% of their design capacity owing to the long-term commitment from SOCWA agencies for beneficial use. Dr. Scott Jenkins also provided comments to the omissions made in the model, the areas for improvement, and the effect of the overproduction of phytoplankton blooms that result.

The IPR is anticipated to release a preliminary report on their findings within the next two months. This report may contain a strategic plan for how the model they are researching can be used in management applications. During the recent meeting, it was clarified that the model is currently being used only for research and is not yet functional for operational applications. Several recommendations were made to improve the model's functionality. One key suggestion was to introduce versioning, a feature that the model currently lacks and would be required for compliance purposes similar to the EPA UM3 Plumes Model.