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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*

August 3, 2023
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. 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 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 UN-MUTE 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 UN-MUTE 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 Meeting of July 6, 2023

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

B. Operations Report (June) 4

- a. Monthly Operational Report
- b. SOCWA Ocean Outfall Discharges by Agency
- c. Quarterly Report on Key Operational Expenses
- d. Beach Ocean Monitoring Report
- e. Recycled Water Report
- f. Pretreatment Report (June)

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

C. Capital Improvement Program Status Report (July) 49

ACTION Information item; receive and file.

D. One (1) Year Contract Award to Miles Chemical for Ferric Chloride
[Project Committees 2, 15, and 17] 52

ACTION Staff recommends that the Board of Directors authorize the Acting General Manager/Director of Operations to enter into a one (1) year contract with up to four (4) optional annual renewals with Miles Chemical, Inc. for Ferric Chloride at the price as noted in the staff report.

Agenda

PAGE NO

6. GENERAL MANAGER’S REPORT

- A. CASA Climate Change Program Manager Funding Request
[Project Committees 2, 15, and 17] 55

ACTION Staff recommends the following:

- Project Committee 2 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Project Committee 15 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Project Committee 17 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.

- B. Consideration of Proposals to Modify SOCWA.....

ACTION a. Approve SMWD proposal to operate the J.B. Latham Treatment Plant and direct PC 2 members to finalize the terms of the operation;
b. Approve MNWD proposal to operate the Regional Treatment Plant and direct PC 17 members to finalize the terms of the operation;
c. Approve the “OUR” Plan and determine the next steps.

- C. Amendment No. 4 – Agreement for Acquisition, Use, Operation Maintenance, and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority for and on behalf of Project Committee 2..... 58

ACTION PC 2 Board Discussion/Direction and Action.

- D. Approval of the Q2 through Q4 Project Committee 2 (PC2) Operations and Maintenance Budget and Capital Expenditures Budget [Project Committee 2]..... 61

ACTION Staff recommends that the PC2 Board approve the Q2 through Q4 Project Committee 2 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL, and OPEB) as proposed and PC2 Capital Expenditures Budget (inclusive of large capital, non-capital/misc. engineering, and small capital).

- E. Approval of the FY 2023-24 General Fund Budget Q2 through Q4 Uneven Allocations 62

ACTION Board Discussion/Direction and Action.

- F. General Counsel’s Updates
 - JPA Revision Process (Standing item)

ACTION Information Item

South Orange County Wastewater Authority
Board of Directors Meeting
August 3, 2023

Agenda

PAGE NO

G. General Manager's Status Report (Verbal Report).....

ACTION Information Item

H. Upcoming Meetings Schedule:.....

- August 3, 2023 – Board of Directors Regular Meeting
- August 10, 2023 – Engineering Committee Meeting
- August 15, 2023 – Finance Committee Meeting
- September 7, 2023 – Board of Directors Regular Meeting

ACTION Information Item.

7. CLOSED SESSION

- A. A Closed Session conference with General Counsel Potential Litigation in one matter Pursuant to Government Code Section § 54956.9.
- B. Report out of Closed Session.

8. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by General Manager, which arose subsequent to the agenda being posted. [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
SEPTEMBER 7, 2023

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

Board of Directors

July 6, 2023

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person and via teleconference on July 6, 2023, 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
MATT COLLINGS	Moulton Niguel Water District	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
DAVID BARANOWSKI	Director of Engineering
MARY CAREY	Finance Controller
RONI GRANT	Associate Engineer
DINA ASH	HR Administrator
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	JENNIFER LOPEZ	South Coast Water District
RICK SHINTAKU	Varner & Brandt, LLP	DAN FERONS	Santa Margarita Water District
SHERRY WANNINGR	Santa Margarita Water District	MIKE GASKINS	El Toro Water District
DAVID LARSEN	Moulton Niguel Water District	BILL MOORHEAD	Moulton Niguel Water District
ROGER BUTOW	Clean Water Now	DON FROELICH	Moulton Niguel Water District
MARK McAVOY	City of Laguna Beach	ERICA CASTILLO	Santa Margarita Water District
SAUNDRA JACOBS	Santa Margarita Water District	MARK SERNA	South Coast Water District
LISA OHLUND	Ohlund Mgmt. & Tech. Svc	JOONE LOPEZ	Moulton Niguel Water District
DICK FIORE	Moulton Niguel Water District	KARI VOZENILEK	Kidman Gagen Law, LLP
PAM ARENDS-KING	South Coast Water District		

1. CALL TO ORDER

Chairman Collings called the meeting to order at 8:33 a.m.

2. PLEDGE OF ALLEGIANCE – Director Mike Dunbar

3. ORAL COMMUNICATIONS

Public Speaker: Roger Butow – Clean Water Now (CWN)

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

No action was taken.

5. CONSENT CALENDAR

Director Collings pulled agenda item 5.D. to discuss with Counsel and to table for a later date.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Goldman to approve the Consent Calendar items 5A thru 5C and 5E thru 5I as submitted.

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

(5A – 5C, and 5E – 5I)

- A. 1. Minutes of Board of Directors Meeting for May 18, 2023
- 2. Minutes of Board of Directors Meeting for June 1, 2023
- B. Minutes of PC 2 Committee Meeting for April 18, 2023
- C. 1. Minutes of Finance Committee Meeting for April 18, 2023
- 2. Minutes of Finance Committee Meeting for May 16, 2023
- E. Financial Reports for the Month of April 2023
Approved Action: The Board of Directors approved ratification of the April 2023 Disbursements of \$2,173,227, for the period from April 1, 2023, through April 30, 2023, and to receive and file the April 2023 Financial Reports as submitted.
- F. Q3 FY 2022-23 Cash Roll Forward as of March 31, 2023
Approved Action: The Board of Directors approved receiving and filing the Q3 FY 2022-23 Cash Roll Forward as of March 31, 2023.
- G. Operations Report (May)
Approved Action: The Board of Directors approved receiving and filing the report as submitted.
- H. Capital Improvement Program Status Report (June)
Approved Action: The Board of Directors approved receiving and filing the report as submitted.
- I. Capital Improvement Construction Project Projects Progress and Change Order Report (June) [Project Committees 2, 15, & 17]
Approved Action: The PC 2 Board of Directors approved Change Order No. 1 for \$14,624.97 and a revised contract value of \$108,609.97 for the J.B. Latham Administration Building Roofing Replacement Project, and the Board of Directors received and filed the report.

6. ENGINEERING MATTERS

- A. Contract Award for Aliso Creek Ocean Outfall (ACOO) Seal Replacement Project [Project Committee 24]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Goldman to approve the contract to J.F. Brennan in the amount of \$261,753 for the ACOO Seal Replacement Project with a contingency of \$50,000.

Motion carried: Aye 5, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Collings Aye
Director Whalen Aye
Director Goldman Aye

7. GENERAL MANAGER’S REPORT

A. General Counsel’s Updates

Ms. Adriana Ochoa, General Counsel, stated she had no updates to report. She noted the standing item of the JPA revision process is being discussed through the Facilitated Discussion meetings.

This was an information item; no action was taken.

B. General Manager’s Status Report

Mr. Jim Burror, Acting General Manager/Director of Operations, stated the deadline for providing comments for the Municipal Service Review is July 14, 2023, noting the report covers a portion of SOCWA’s service area. Mr. Burror also stated he included the Bylaws in the agenda packet. He circulated them to the Committees for review and comments on any recommended changes before presenting them to the Board for consideration when the bylaws are being updated.

This was an information item; no action was taken.

C. Upcoming Meetings Schedule:

- July 6, 2023 – Board of Directors Regular Meeting
- July 13, 2023 – Engineering Committee Meeting – *Canceled*
- July 18, 2023 – Finance Committee Meeting – *Canceled*
- July 27, 2023 – Board of Directors Special Facilitated Discussion Meeting
- August 3, 2023 – Board of Directors Regular Meeting

This was an information item; no action was taken.

8. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 9:00 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 July 6, 2023, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.B.

Board of Directors Meeting

Meeting Date: August 3, 2023

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

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 – Fiscal Year 22-23

An eight (8) 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. Fiscal Year Report on Key Operational Expenses

These charts include tracking 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 June, 2023

Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	0	1(1)	0	1
Noise	0	0	1(2)	1
Spills	0	0	0	0
Violations	0	0	0	0
Others	0	0	0	0

(1) Staff performed extra odor patrols and did not find a source.

(2) The noise was found to be from an fire alarm panel within the South Cove development.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.88	6.79	5.86	0.96	16.49
Effluent (mgd)	2.49	3.43	5.86	2.07	13.85
Peak Flow (mgd)	14.60	16.73	10.86	7.16	49.35
Influent BOD (mg/l)	338	271	314	435	
Influent TSS (mg/l)	438	360	404	470	
Effluent BOD (mg/l)	5.5	4.8	9.9	8.3	
Effluent TSS (mg/l)	6.2	5.9	11.1	10.6	
Effluent Turbidity (NTU)	2.6	2.6	5.6	4.2	

(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)	0.72	3.36		4.07
Days of Operation (days)	30	30		
Total Flow (million gallons)	21.5	100.8		122.2
Plant Irrigation (million gallons)	0.05	0.10	0.18	
AWT Time Online (%)	98%			

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 June, 2023 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		727.9	0.0	727.9
Nursery Products (tons)		303.3	467.8	771.1
Prima Deshecha (tons)		25.6	285.4	311.0
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,056.8	753.2	1,809.9

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	157	253	234	644
Corrective Maintenance	22	47	57	126

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	0	0	3	3
Residents	0	0	0	0
Others	0	3	18	21
Tours #/Visitors	0	0	0	0

Grit Disposal Management

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

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	27.0	NA	27.0
Utility Power Purchase (kWh)	196,054	-4,771	208,581	399,864
Cogen Power (kWh)		769,301	434,791	1,204,092
Natural Gas (Dth)	NA	NA	NA	0
Digester Gas to Engine (scfm)		9,000,578	5,962,666	14,963,244
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		208,283	214,484	422,767
Digester Gas Power Savings		\$221,784		

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 June, 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	1.694	56.18%				1.69
EBSO	0.072	2.38%				0.07
SCWD	1.249	41.44%		1.664	24.40%	2.91
MNWD	0.000	0.00%	6.79	1.400	20.53%	8.19
CSJC				2.094	30.71%	2.09
SMWD				1.661	24.36%	1.66
Total	3.015	100.00%	6.79	6.819	100.00%	16.62

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.69	15.12%	1.69	
EBSO				0.07	0.64%	0.07	
SCWD	1.85	19.04%		0.59	5.31%	2.44	Includes Desalters
MNWD	1.41	14.58%		3.43	30.62%	4.84	
ETWD				1.94	17.34%	1.94	Direct Outfall Only
CSJC	2.09	21.60%				2.09	Includes Desalter
SMWD	1.66	17.15%				1.66	Includes Chiquita
CSC	2.68	27.62%				2.68	Direct Outfall Only
IRWD				3.47	30.96%	3.47	Direct Outfall Only
Total	9.69	100.00%	11.46	11.20	100.00%	20.90	

SOCWA Operational Report June, 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%	2.094	30.71%	2.18	29.79%
MNWD	3.00	23.08%	1.400	16.63%	1.400	20.53%	1.40	19.13%
SCWD	3.75	28.85%	1.610	19.12%	1.664	24.40%	1.70	23.29%
SMWD	2.25	17.31%	3.200	38.00%	1.661	24.36%	2.03	27.79%
Total	13.00	100.00%	8.420	100.00%	6.819	100.00%	7.32	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%	5,260	28.22%	6,448	24.54%
MNWD	8,340	21.62%	6,169	23.63%	4,630	24.84%	5,896	22.44%
SCWD	7,715	20.00%	5,584	21.39%	3,258	17.48%	5,508	20.96%
SMWD	10,946	28.38%	8,473	32.45%	5,492	29.46%	8,426	32.06%
Total	38,573	100.00%	26,110	100.00%	18,639	100.00%	26,278	100.00%

Project Committee No. 5 - San Juan Creek Ocean Outfall (SJC00)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	2.677	27.62%	2.757	24.86%
CSJC	11.08%	8.860	11.08%	2.094	21.60%	2.335	21.05%
MNWD(3)	15.51%	12.410	15.51%	1.414	14.58%	2.040	18.39%
SCWD	12.46%	9.970	12.46%	1.846	19.04%	1.891	17.04%
SMWD	44.32%	35.460	44.33%	1.662	17.15%	2.071	18.67%
Total	100.00%	80.000	100.00%	9.693	100.00%	11.094	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 June, 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%	1.694	56.18%	1.527	54.71%
EBS	0.20	2.99%	0.060	2.21%	0.072	2.38%	0.062	2.23%
SCWD	2.00	29.85%	1.153	42.56%	1.249	41.44%	1.202	43.06%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.709	100.00%	3.015	100.00%	2.792	100.00%

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	0.0132	0.0132	0.1909%	0.0128	0.1693%
EBS	0.00001	0.0001%	0.0000	0.0006	0.0006	0.0081%	0.0005	0.0069%
SCWD	0.00427	0.0562%	0.0000	0.0097	0.0097	0.1408%	0.0102	0.1345%
ETWD	0.01562	0.2055%	0.0000	0.0164	0.0164	0.2378%	0.0176	0.2324%
MNWD	7.57236	99.6439%	6.7887	0.0701	6.8588	99.4224%	7.5438	99.4569%
Total	7.59942	100.0000%	6.7887	0.1100	6.8986	100.0000%	7.5850	100.0000%

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

SOCWA Operational Report June, 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%	141,374	11.98%	127,314	11.88%
EBSB	295	0.59%	177	0.48%	5,991	0.51%	5,214	0.49%
SCWD	4,480	8.96%	3,392	9.16%	104,264	8.83%	101,194	9.44%
ETWD	10,200	20.41%	5,305	14.32%	176,101	14.92%	173,088	16.15%
MNWD	29,395	58.82%	23,769	64.16%	752,789	63.77%	665,075	62.05%
Total	49,975	100.00%	37,049	100.00%	1,180,520	100.00%	1,071,886	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%	1.694	15.12%	1.527	12.85%
EBSB	0.78%	0.390	0.78%	0.072	0.64%	0.062	0.52%
ETWD	16.30%	8.151	16.30%	1.943	17.34%	2.563	21.56%
IRWD	15.76%	7.880	15.76%	3.469	30.96%	3.306	27.82%
MNWD	43.85%	21.924	43.85%	3.430	30.62%	3.733	31.41%
SCWD	12.31%	6.155	12.31%	0.595	5.31%	0.693	5.83%
Total	100.00%	50.000	100.00%	11.203	100.00%	11.885	100.00%

SOCWA Operational Report June 2023 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Troubleshoot the 9-side Rag Press Gearbox.
Replaced failed Secondary Tank #9 drive.
Replaced the failed float switch of the potable water air gap tank.
Completed an emergency repair of the 4-side Diversion Gate that was inoperable.
Troubleshoot the 4-side Washpress.
Started the project to replace the main Plant's potable water line.
Troubleshoot the East Primary Sedimentation Sludge Pump #1 that was failing.
Replaced Scrubber No.1 Stage 2/3 Vanton pump for overhaul.

CTP - PC15

Troubleshoot an error on Aeration Blower #1 Heat Exchanger.
Troubleshoot the failing Blower #3 inlet valve.
Replaced failed Instrumentation Air Compressor Dryer for the AWT.
Troubleshoot the main AWT compressor system that failed.
Troubleshoot AWT Filter Supply Pump #1 that would not run in Auto.
Troubleshoot a vibration in Fresh Air Fan 007 in the Headworks.

RTP - PC17

Troubleshoot Fume hood #3 fan that failed.
Continued the project to replace the failed 3WHP Strainer and implement other area repairs.
Continued the project to overhaul Interstage Pump #5.
Started the project to overhaul RAS #3.
Replaced the failed YMCA pump.
Troubleshoot Bar Rake #1 that failed.
Drained and unplugged the drain system for DAFT#3.

Support Services - ALL PC'S

Troubleshoot the 9-side nitrate meter that was in error at JBL.
Replaced failed NOx sensor on the Cogen Engine at JBL
Repaired air leak on the main compressor line for Building #40 at JBL
Replaced failed solenoid on the control valve to the unit that failed at JBL
Troubleshoot the Plant Sump that lost power at JBL
Troubleshoot the Plant Sump that lost power at JBL
Troubleshoot the East Primary Sedimentation Sludge Pump #1 VFD that would not reset at JBL
Troubleshoot an error reading for the AWT Effluent Turbidity Meter at CTP.
Troubleshoot the old Export sludge flow meter that was in error at CTP.
Troubleshoot the Scrubber Caustic Tank Low-Level sensor that failed at CTP.
Troubleshoot the West Primary #3 Collector Local HOA switch that failed at CTP.
Troubleshoot the East Primary #1 Sludge Pump that is failing to start at CTP.
Troubleshoot the DPS low-level alarm sensor that failed to cause an alarm at CTP.

SOCWA Operational Report June 2023 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Replaced failed O2 and NOx cells on the Cogen Engine at RTP.

Replaced failed SC4500 DO probe controller at RTP.

Replaced failed DO Probe #6B at RTP.

Troubleshoot the 3WHP Flow Meter that was reading zero when the pump was on at RTP.

Troubleshoot the Scrubber #1 Recirculation Pump #2 that failed.

Replaced failed RAS#1 Pump Motor.

Replaced failing TWAS#2 Pump Motor.

Items with a (*) have been identified as preventable repairs.

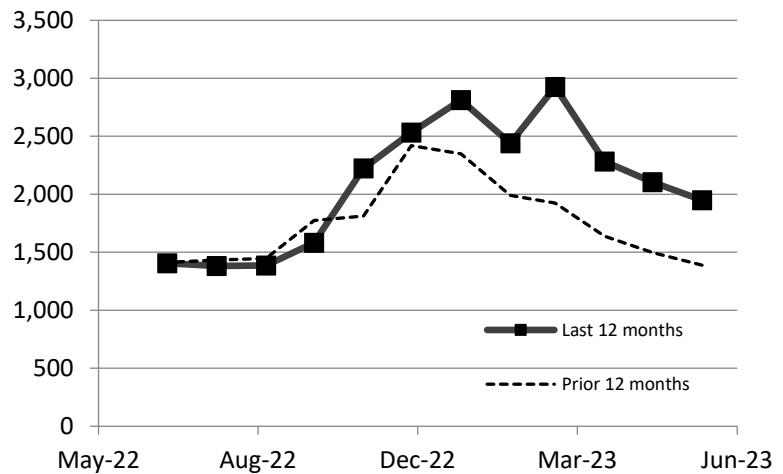
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report June, 2023 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.69	15.12%	1.69
EBSD			0.07	0.64%	0.07
SCWD	1.85	19.04%	0.59	5.31%	2.44
MNWD	1.41	14.58%	3.43	30.62%	4.84
ETWD			1.94	17.34%	1.94
CSJC	2.09	21.60%			2.09
SMWD	1.66	17.15%			1.66
CSC	2.68	27.62%			2.68
IRWD			3.47	30.96%	3.47
Total	9.69	100.00%	11.20	100.00%	20.90
or Acre-Feet per year equivalent					23,404

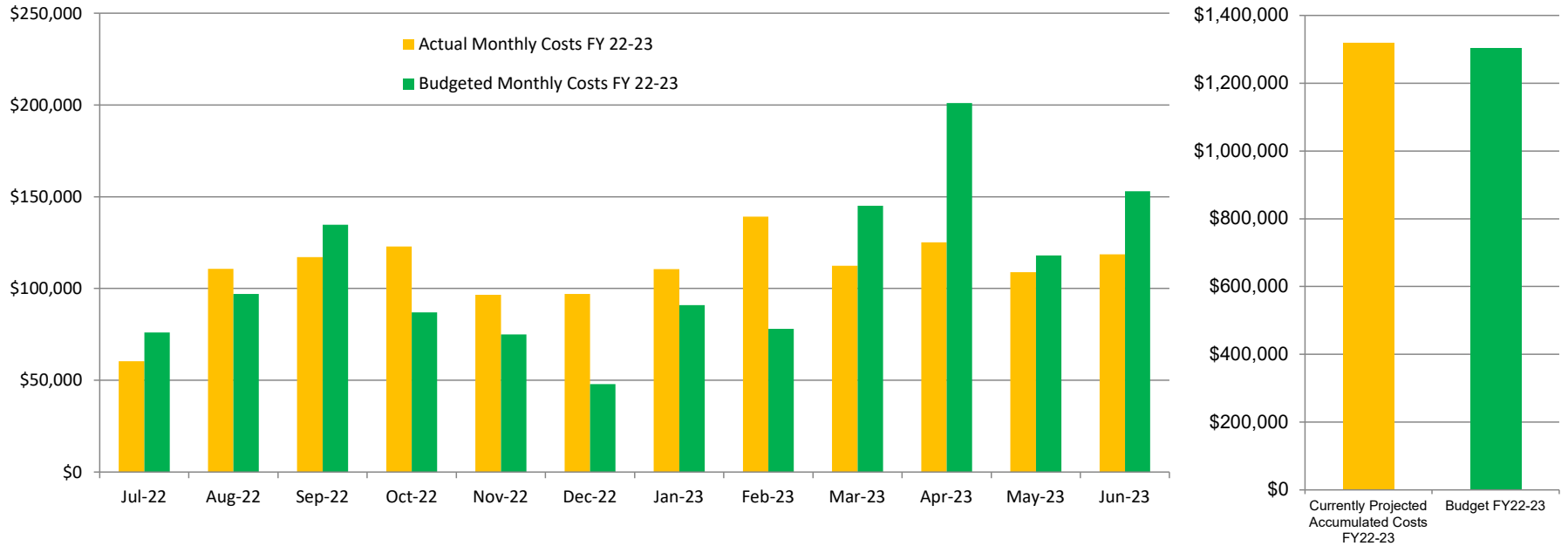
12-Month Running Total Discharge to Ocean Outfalls (AF)

Jun-23	1,949
May-23	2,105
Apr-23	2,282
Mar-23	2,926
Feb-23	2,440
Jan-23	2,812
Dec-22	2,532
Nov-22	2,224
Oct-22	1,582
Sep-22	1,386
Aug-22	1,382
Jul-22	1,406
Total	25,025



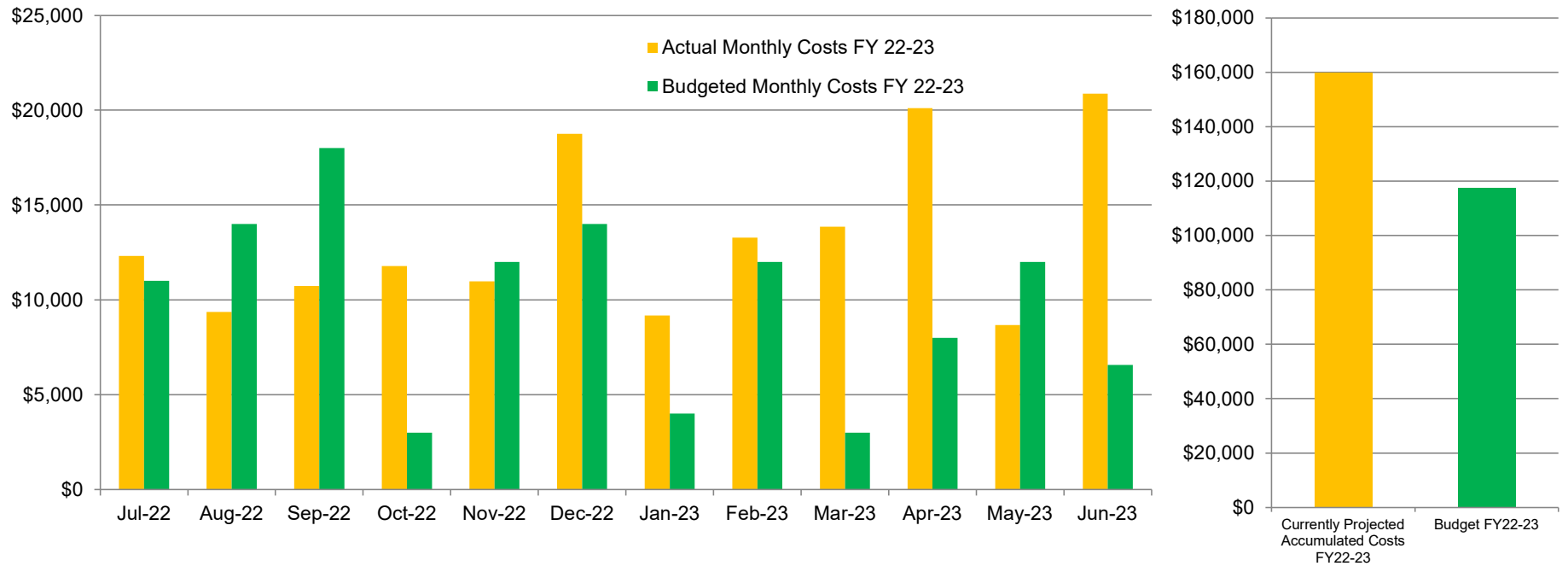
Quarterly Report on Key Operational Expenses

Electricity (5002) Costs



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Currently Projected Accumulated Costs FY22-23	Budget FY22-23	Currently Projected Under(+)/Over (-) Budget
Actual Monthly Costs FY 22-23	\$60,412	\$110,730	\$117,160	\$122,848	\$96,565	\$97,050	\$110,624	\$139,122	\$112,377	\$125,220	\$108,900	\$118,626	\$1,319,635	\$1,303,828	
Budgeted Monthly Costs FY 22-23	\$76,000	\$97,000	\$134,780	\$87,000	\$75,000	\$48,000	\$91,000	\$78,000	\$145,000	\$201,000	\$118,048	\$153,000			-\$15,807

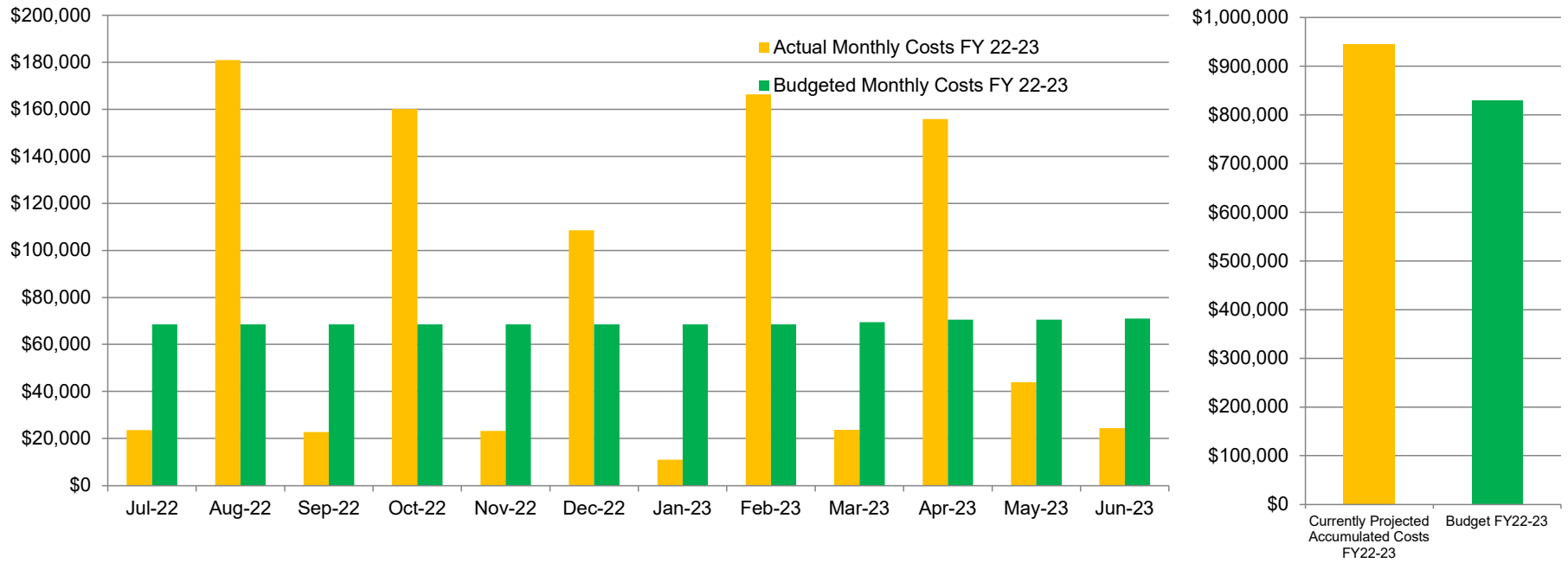
Odor Control (5009) Costs



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Currently Projected Accumulated Costs FY22-23	\$159,874
Actual Monthly Costs FY 22-23	\$12,315	\$9,358	\$10,726	\$11,782	\$10,973	\$18,757	\$9,180	\$13,285	\$13,855	\$20,105	\$8,670	\$20,866	Budget FY22-23	\$117,572
Budgeted Monthly Costs FY 22-23	\$11,000	\$14,000	\$18,000	\$3,000	\$12,000	\$14,000	\$4,000	\$12,000	\$3,000	\$8,000	\$12,000	\$6,572	Currently Projected Under(+)/Over (-) Budget(1)	-\$42,302

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

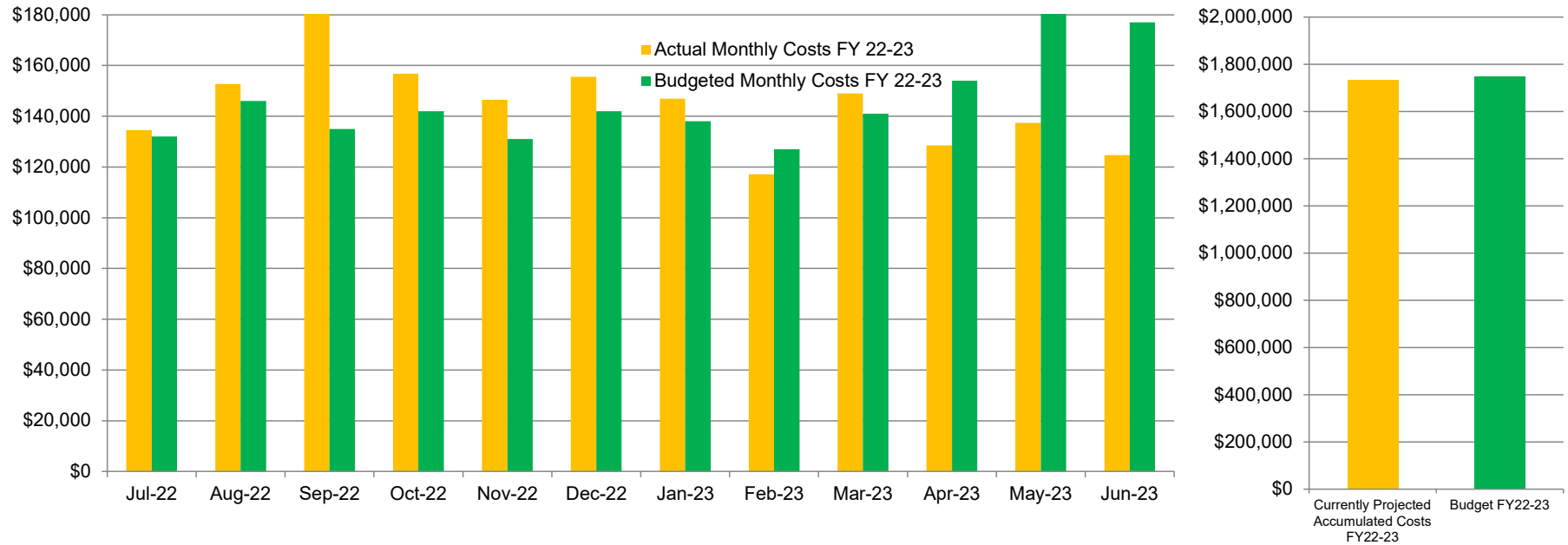
Polymer (5007) Costs



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Currently Projected Accumulated Costs FY22-23	\$944,395
Actual Monthly Costs FY 22-23	\$23,617	\$180,928	\$22,797	\$160,034	\$23,193	\$108,516	\$11,026	\$166,304	\$23,699	\$155,903	\$43,946	\$24,432	Budget FY22-23	\$829,548
Budgeted Monthly Costs FY 22-23	\$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)	-\$114,847

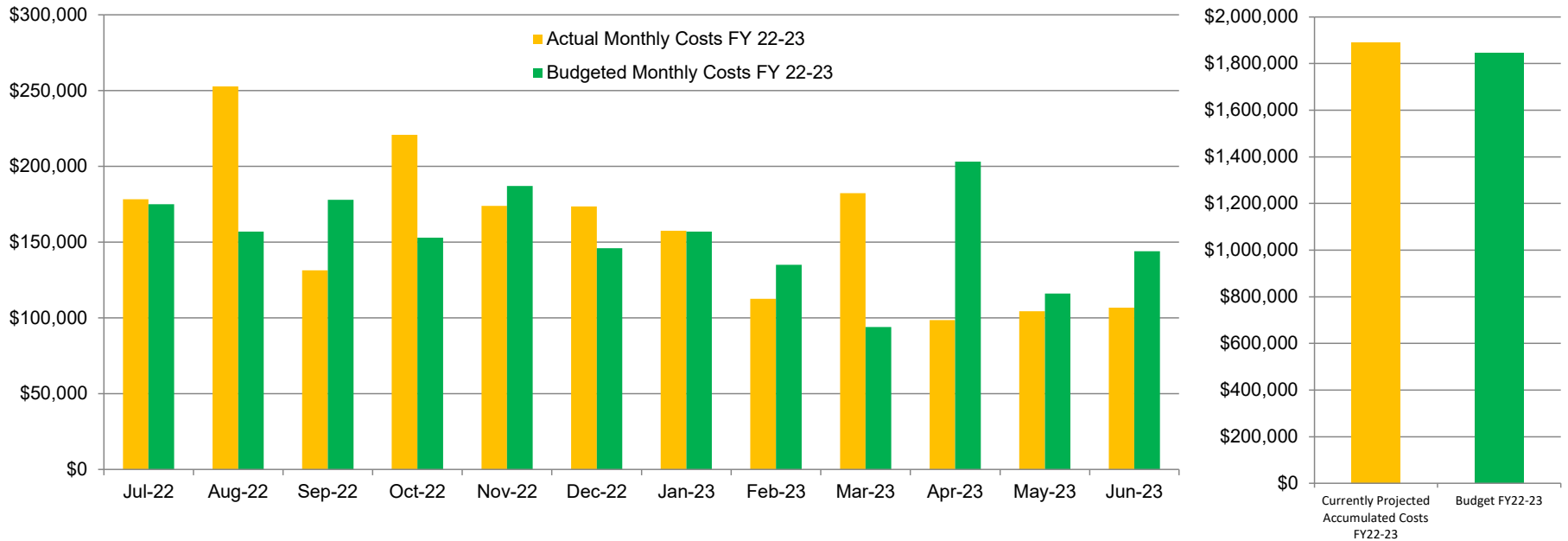
(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

Biosolids (5049) Costs



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Currently Projected Accumulated Costs FY22-23	\$1,731,672
Actual Monthly Costs FY 22-23	\$134,571	\$152,712	\$181,913	\$156,821	\$146,484	\$155,527	\$146,913	\$117,188	\$148,974	\$128,491	\$137,409	\$124,668	Budget FY22-23	\$1,748,996
Budgeted Monthly Costs FY 22-23	\$131,996	\$146,000	\$135,000	\$142,000	\$131,000	\$142,000	\$138,000	\$127,000	\$141,000	\$154,000	\$184,000	\$177,000	Currently Projected Under(+)/Over (-) Budget(1)	\$17,324

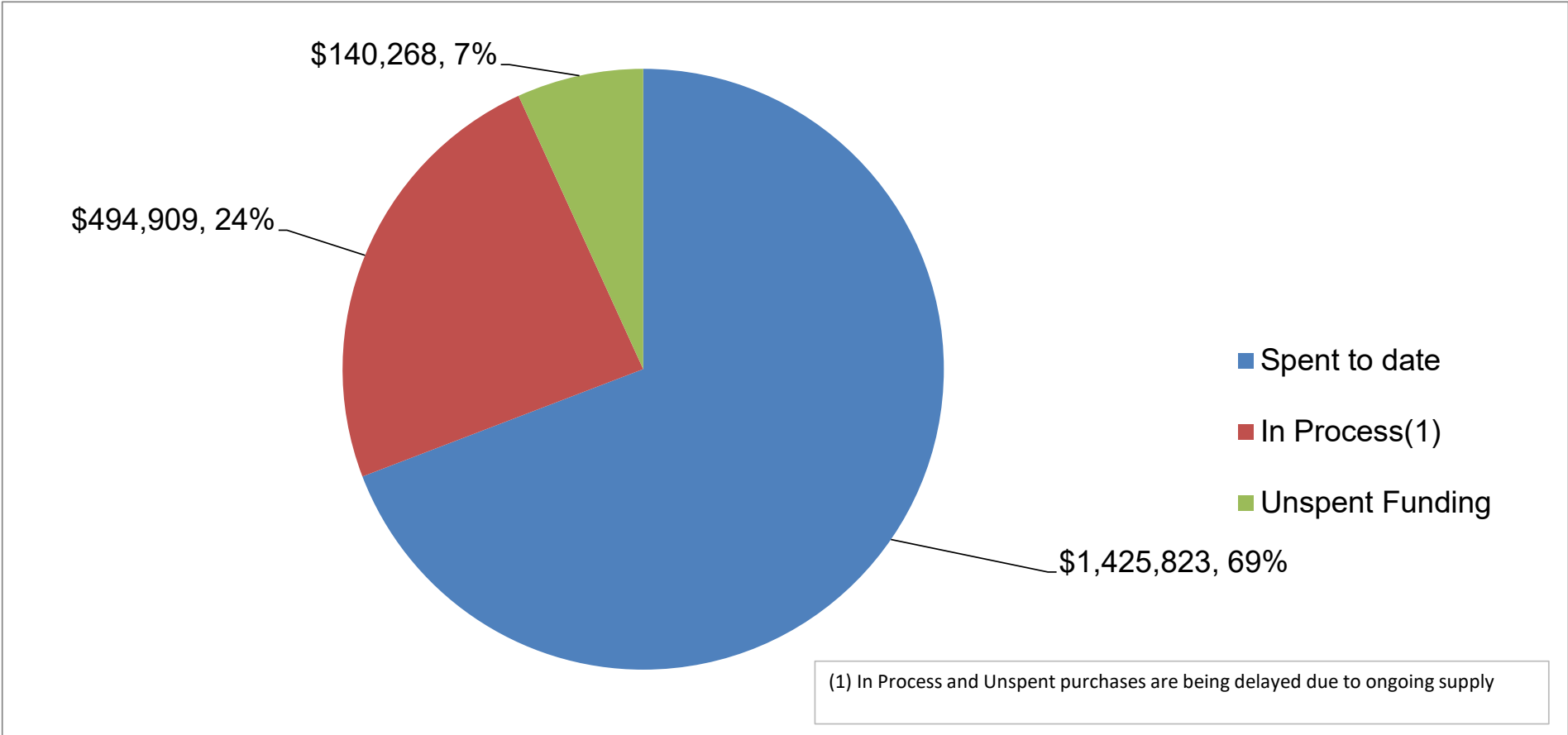
Maintenance Repair (5056 to 5060) Costs



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Currently Projected Accumulated Costs FY22-23	Budget FY22-23	Currently Projected Under(+)/Over (-) Budget(1)
Actual Monthly Costs FY 22-23	\$178,227	\$252,777	\$131,416	\$220,739	\$173,956	\$173,461	\$157,453	\$112,586	\$182,384	\$98,614	\$104,422	\$106,690	\$1,892,724	\$1,845,000	
Budgeted Monthly Costs FY 22-23	\$175,000	\$157,000	\$178,000	\$153,000	\$187,000	\$146,000	\$157,000	\$135,000	\$94,000	\$203,000	\$116,000	\$144,000	\$1,845,000	\$1,845,000	-\$47,724

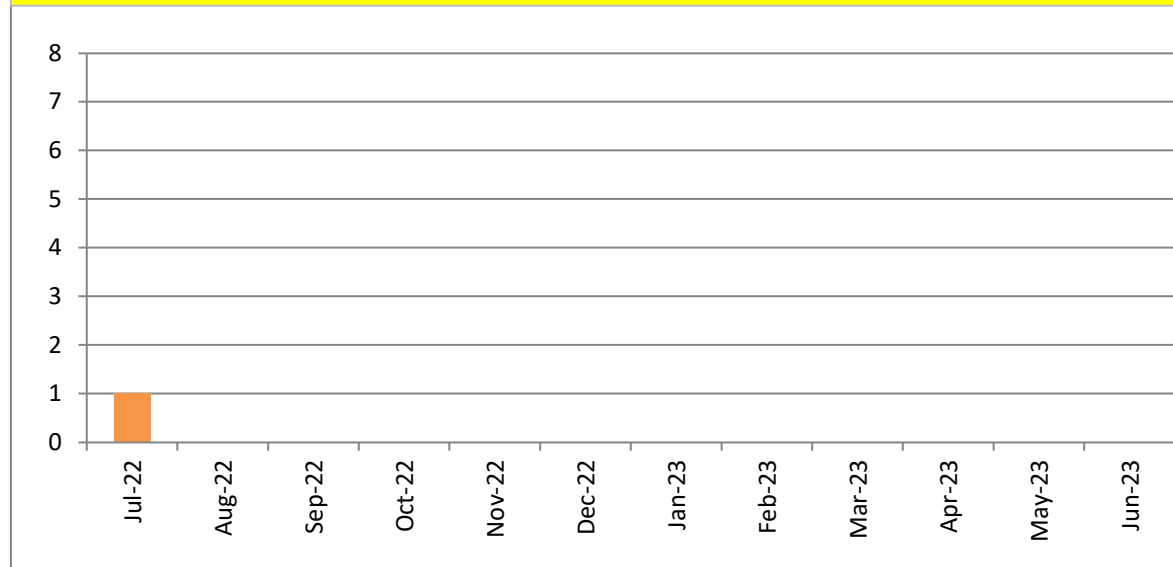
(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

FY22-23 Small Internal Capital Costs



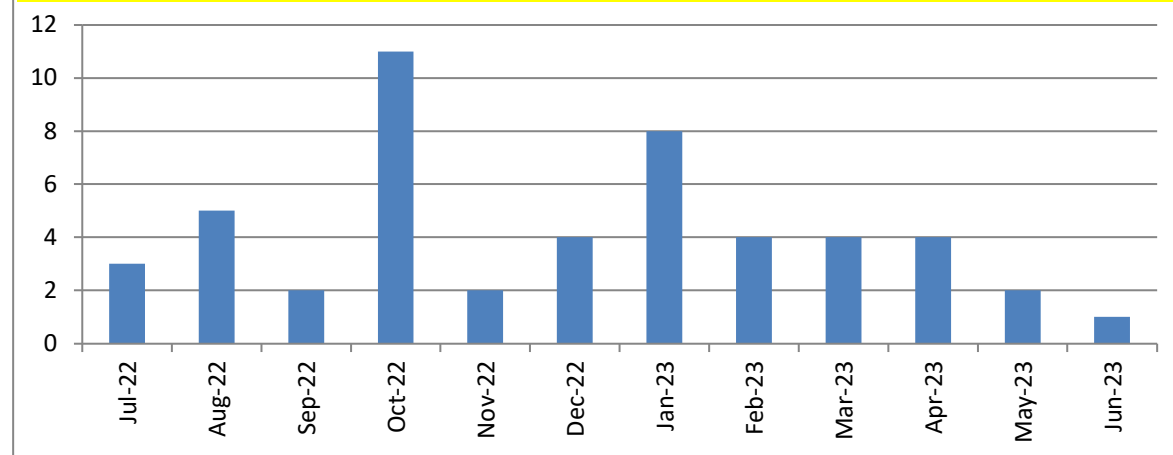
SOCWA SAFETY UPDATE - JUNE 2023

OSHA RECORDABLE INJURIES



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23
OSHA RECORDABLE INJURIES	1	0	0	0	0	0	0	0	0	0	0	0

NEAR MISS REPORTS



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23
NEAR MISS REPORTS	3	5	2	11	2	4	8	4	4	4	2	1

Updated: 7/5/2023

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
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%
Feb '23 - Annual Bloodborne Pathogens Training	80%
Dec '22 - Annual Defensive and Distracted Driver Training w/ CHP	90%
Nov '22 - Audiometric Hearing Testing, Confined Space Entry Rescue Training, and Supervisor Safety Training	95%
October '22 - Annual Respirator Fit Testing/Training and Medical Examination	100%
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)
May '22 - Annual Fire Extinguisher Use Training (hands-on training)	90% (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%
July '21 - Annual 8-HR HAZWOPER Refresher Training & Initial CPR/First Aid/AED Training	95%
Feb '21 - Annual Fire Extinguisher Use Training / March '21 Annual Heat Illness Training	95%
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 and Disaster Cost Recovery Training	100%
July '15 - Initiate 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

June 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 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	MGD	inches
06/01/23	3.327	15.0	9.3	0.1	2.154	8.7	6.4	<0.1	2.600	6.2	3.0	<0.1	2.537	5.6	4.0	<0.1	0.388	0.000	0.140	11.146	0.00
06/02/23	3.318	20.0	8.6	0.1	3.258	2.3	4.5	<0.1	3.62	5.2	2.0	<0.1	2.625	6.8	5.0	<0.1	0.656	0.000	0.147	13.624	0.00
06/03/23	3.158	18.0		0.2	1.784	16.7	8.4	0.1	3.990	6.6	6.0		2.529	10.0	10.0		0.765	0.000	0.125	12.351	0.00
06/04/23	3.032	26.0	9.6	0.1	3.101	12.2	6.2	<0.1	4.420	5.2	5.0	0.1	2.459	6.8	6.0	0.1	0.765	0.000	0.128	13.905	0.00
06/05/23	3.369	19.0	8.3	0.1	2.818	14.2		<0.1	2.750	5.4	4.0	<0.1	2.445	2.0	3.0	<0.1	0.754	0.000	0.134	12.270	0.00
06/06/23	3.630	14.0	9.5	0.2	1.251	10.8	6.2	<0.1	2.420	5.0	3.0	0.1	2.115	8.8	5.0	0.1	0.753	0.000	0.128	10.297	0.00
06/07/23	3.411	15.0	8.1	0.1	2.309	11.5	6.3	<0.1	3.210	5.6	4.0	0.1	2.482	7.6	4.0	<0.1	0.747	0.000	0.132	12.291	0.00
06/08/23	2.931	12.0	8.5	<0.1	1.462	10.3	6.0	<0.1	3.900	3.6	3.0	0.1	2.227	6.0	4.0	<0.1	0.776	0.000	0.146	11.442	0.00
06/09/23	3.409	18.0	8.0	<0.1	1.689	14.6	7.6	<0.1	3.990	4.4	5.0	0.2	2.617	5.8	8.0	0.1	0.746	0.000	0.129	12.580	0.00
06/10/23	3.229	16.0		<0.1	2.199	5.5	4.2	<0.1	5.020	5.4	6.0		2.097	8.0	5.0		0.776	0.000	0.100	13.421	0.00
06/11/23	3.280	19.0		<0.1	3.432	14.7	8.3	0.1	5.150	5.8		<0.1	2.534	5.8		<0.1	0.776	0.000	0.123	15.295	0.00
06/12/23	3.386	25.0	7.9	0.1	1.767	13.3		0.1	4.690	7.0	5.0	0.1	2.588	1.6	3.0	<0.1	0.775	0.000	0.128	13.334	0.00
06/13/23	3.555	16.0	9.2	0.1	2.789	19.5	10.1	<0.1	3.430	5.0	2.0	<0.1	2.281	5.6	4.0	<0.1	0.716	0.000	0.139	12.910	0.00
06/14/23	3.447	20.0	8.8	0.2	2.030	19.7	10.8	0.1	4.230	5.0	4.0	0.2	2.498	5.0	4.0	0.1	0.782	0.000	0.138	13.125	0.00
06/15/23	3.372	17.0	9.4		0.967	11.3	8.3	<0.1	4.150	4.8	4.0	<0.1	2.478	4.4	3.0	0.1	0.785	0.000	0.136	11.888	0.02
06/16/23	3.464	19.0	9.2	0.1	1.794	21.7	11.1	0.2	4.470	4.8	3.0	<0.1	2.488	5.4	4.0	0.1	0.753	0.000	0.141	13.110	0.00
06/17/23	3.343	17.0		0.1	2.483	12.0	8.6	<0.1	3.950	4.6	5.0		2.196	5.6	4.0		0.785	0.000	0.124	12.881	0.00
06/18/23	3.190	26.0	7.1	0.3	3.502	14.0	9.0	0.2	3.550	6.2	7.0	<0.1	2.395	5.6	4.0	<0.1	0.785	0.000	0.122	13.544	0.00
06/19/23	3.300	24.0	7.8	0.3	2.115	20.3		1.6	4.760	6.0	5.0	<0.1	2.396	1.8	2.0	<0.1	0.435	0.000	0.131	13.137	0.00
06/20/23	3.330	20.0	6.8	0.1	1.642	22.7	11.9	0.2	3.390	5.8		0.1	2.670	7.6		0.1	0.394	0.000	0.132	11.558	0.00
06/21/23	3.316	15.0	6.9	0.3	1.418	13.3	8.3	0.1	2.800	6.6	5.0	0.1	2.270	6.8	4.0	<0.1	0.395	0.000	0.139	10.338	0.00
06/22/23	3.312	22.0	9.3	0.3	1.380	13.0	9.4	0.1	4.420	5.4	5.0	<0.1	2.053	9.2	4.0	<0.1	0.394	0.000	0.133	11.692	0.00
06/23/23	2.656	22.0	8.7	0.1	1.008	16.0	9.5	0.1	2.950	4.2	5.0	0.1	2.114	6.8	7.0	<0.1	0.670	0.000	0.134	9.532	0.00
06/24/23	3.118	19.0		0.2	0.913	16.0	10.3	0.1	1.260	5.0	5.0		2.320	8.0	7.0		0.787	0.000	0.150	8.548	0.00
06/25/23	3.165	19.0	8.8	0.1	1.311	14.0	9.4	0.1	3.450	5.2	4.0	<0.1	2.260	6.0	4.0	<0.1	0.787	0.000	0.111	11.084	0.00
06/26/23	2.742	6.4	<1.8	<0.1	2.131	14.7		0.1	3.780	11.2	5.0	0.1	2.070	1.0	2.0	0.1	0.786	0.000	0.129	11.638	0.00
06/27/23	0.052				1.948	9.7	6.4	0.1	1.850	8.4	4.0	0.1	2.264	8.2	4.0	<0.1	0.757	0.000	0.138	7.009	0.00
06/28/23	No Flow				1.003	10.0	5.6	0.1	1.890	8.6	10.0	0.1	2.233	8.4	23.0	<0.1	0.029	0.000	0.132	5.287	0.00
06/29/23	No Flow				1.271	12.0	6.1	0.1	1.650	7.4	9.0	0.1	2.243	7.0	6.0	<0.1	0.000	0.000	0.147	5.311	0.00
06/30/23	No Flow				1.359	15.0	7.0	0.1	1.170	8.0	7.0	0.1	2.337	10.0	11.0	<0.1	0.510	0.000	0.142	5.518	0.00
AVG	2.828	18.4	8.2	<0.1	1.943	13.7	7.9	<0.2	3.430	5.9	4.8	<0.1	2.361	6.2	5.5	<0.1	0.641	0.000	0.133	11.336	
TOTAL	84.84				58.29				102.91				70.82				19.23	0.00	3.978	340.07	0.02

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2023
 REPORT DUE: August 1 2023
 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 11:45

Weather: Overcast

COMMENTS: Duplicate at S-12

STA#	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							
S3	06/05/23	08:54	10	<10	4	None	None	None	None	Green		Slightly Turbid		
S4	06/05/23	10:50	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S5	06/05/23	10:44	<10	<10	<2	None	None	None	None	Green	64	Slightly Turbid		
S6	06/05/23	10:16	<10	10	6	None	None	None	None	Green		Slightly Turbid		
WEST	06/05/23	10:20	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S7	06/05/23	10:26	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S8	06/05/23	10:00	<10	20	26	None	None	None	None	Green		Slightly Turbid		
S9	06/05/23	09:56	<10	10	10	None	None	None	None	Green		Slightly Turbid		
ACM1	06/05/23	09:49	<10	50	86	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	06/05/23	09:24	<10	30	24	None	None	None	None	Green		Slightly Turbid		
S11	06/05/23	09:19	<10	10	10	None	None	None	None	Green		Slightly Turbid		
S12	06/05/23	09:11	<10	<10	<2	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 Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2023
 REPORT DUE: August 1, 2023
 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 08:50
 Weather: Drizzle
 COMMENTS: Duplicate at S-5

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	06/15/23	07:55	<10	<10	<2	None	None	None	None	Green		Clear		
S4	06/15/23	09:50	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	06/15/23	09:42	<10	<10	<2	None	None	None	None	Green	63	Slightly Turbid		
S6	06/15/23	09:20	20	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	06/15/23	09:25	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	06/15/23	09:30	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	06/15/23	09:07	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	06/15/23	09:03	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
ACM1	06/15/23	08:53	200	<10	<2	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	06/15/23	08:32	<10	<10	<2	None	None	None	None	Green		Clear		
S11	06/15/23	08:29	<10	<10	2	None	None	None	None	Green		Clear		
S12	06/15/23	08:21	<10	<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: June 2023
 REPORT DUE: August 1, 2023
 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 07:03
 Weather: Overcast
 COMMENTS: Duplicate at S-12

0.0

STA#	DATE	TIME	Total	Fecal	Enterococcus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	Coliform CFU/100ml EPA 1600	Onshore	Offshore							
S3	06/22/23	07:53	<10	<10	<2	None	None	None	None	Green	64	Slightly Turbid	Flowing	
S4	06/22/23	09:45	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	06/22/23	09:58	180	190	<2	None	None	None	None	Green		Slightly Turbid		
S6	06/22/23	09:33	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
WEST	06/22/23	09:30	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	06/22/23	09:25	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S8	06/22/23	09:07	40	<10	2	None	None	None	None	Green		Slightly Turbid		
S9	06/22/23	09:04	20	<10	4	None	None	None	None	Green		Slightly Turbid		
ACM1	06/22/23	08:55	300	130	48	None	None	None	None	Green		Slightly Turbid		
S10	06/22/23	08:30	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	06/22/23	08:25	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	06/22/23	08:17	20	<10	<2	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-Aliso Creek Ocean Outfall

REPORT FOR: June 2023
 REPORT DUE: August 1, 2023
 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 10:23
 Weather: Clear
 COMMENTS:

0.0

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	06/27/23	08:05	<10	<10	2	None	None	None	None	Green	62	Clear		
S4	06/27/23	10:25	<10	<10	<2	None	None	None	None	Green		Clear		
S5	06/27/23	10:05	<10	<10	<2	None	None	None	None	Green		Clear		
S6	06/27/23	09:45	<10	<10	<2	None	None	None	None	Blue		Clear		
WEST	06/27/23	09:40	<10	<10	<2	None	None	None	None	Blue		Clear		
S7	06/27/23	09:35	<10	<10	<2	None	None	None	None	Green		Clear		
S8	06/27/23	09:30	<10	10	2	None	None	None	None	Blue		Clear		
S9	06/27/23	09:15	<10	<10	4	None	None	None	None	Blue		Clear		
ACM1	06/27/23	09:10	<10	<10	<2	None	None	None	None	Blue		Clear		
S10	06/27/23	08:50	<10	<10	<2	None	None	None	None	Green		Clear		
S11	06/27/23	08:40	10	<10	<2	None	None	None	None	Green		Clear		
S12	06/27/23	08:30	10	<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 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: June 2023

REPORT FREQUENCY: Monthly

REPORT DUE: August 1, 2023

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 08:09

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	06/01/23	20	10	<2	08:02	0	0	
A-1	Mid depth	06/01/23	<10	<10	<10				
A-2	Surface	06/01/23	<2	<2	<2	07:47	0	0	
A-2	Mid depth	06/01/23	<10	<10	<10				
A-3	Surface	06/01/23	<2	<2	2	07:54	0	0	
A-3	Mid depth	06/01/23	<10	<10	<10				
A-4	Surface	06/01/23	<2	<2	<2	08:09	0	0	
A-4	Mid depth	06/01/23	<10	<10	<10				
A-5	Surface	06/01/23	<2	<2	<2	07:59	0	0	
A-5	Mid depth	06/01/23	<10	<10	<10				
B-1	Surface	06/01/23	4	<2	<2	07:40	0	0	
B-1	Mid depth	06/01/23	<10	<10	<10				
B-2	Surface	06/01/23	<2	<2	<2	08:15	0	0	
B-2	Mid depth	06/01/23	<10	<10	<10				
N1	Surface	06/01/23	2	2	<2	08:32	0	0	
N2	Surface	06/01/23	2	4	<2	08:30	0	0	
N3	Surface	06/01/23	8	4	4	08:29	0	0	
N4	Surface	06/01/23	32	4	2	08:28	0	0	
N5	Surface	06/01/23	>=32	6	2	08:27	0	0	
N6	Surface	06/01/23	<2	<2	<2	08:25	0	0	
N7	Surface	06/01/23	2	<2	<2	08:24	0	0	

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

**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



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.							

Pretreatment Report

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

June 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	Desalter FLOW MGD	Desalter FLOW MGD	FLOW MGD	Fall inches
06/01/23	8.160	8.1	5.3	0.1	3.153	8.8	6.0	<0.1	0.000				0.021	8.0	5.6	<0.1	0.000	0.192	11.830	0.00
06/02/23	8.260	10.3	8.3	<0.1	2.625	9.7	7.0	<0.1	0.000				0.015	6.6	4.4	<0.1	0.000	0.187	11.530	0.00
06/03/23	8.120	10.6	8.7		3.158		8.0		0.000				0.006				0.000	0.187	11.850	0.00
06/04/23	8.140	14.2	11.6	0.1	2.905				0.000				0.007				0.000	0.186	11.530	0.00
06/05/23	7.980	20.4	13.0	0.1	2.724	7.4	6.0	<0.1	0.000				0.014	6.2	4.9	<0.1	0.000	0.186	11.400	0.00
06/06/23	7.440	11.5	9.2	0.1	2.844	7.2	8.0	<0.1	0.000				0.005	7.0	5.8	<0.1	0.000	0.187	11.370	0.00
06/07/23	7.140	8.4	6.5	0.1	2.703	6.8	11.0	<0.1	0.021	1.5	3.7	<0.1	0.013	4.0	3.2	<0.1	0.000	0.187	11.220	0.00
06/08/23	7.500	8.9	6.6	0.1	2.735	7.1	11.0	<0.1	0.000				0.006	6.2	5.5	<0.1	0.000	0.191	11.190	0.00
06/09/23	7.300	6.4	9.8	0.1	2.604	6.6	8.0	<0.1	0.000				0.027	6.2	4.5	<0.1	0.000	0.187	10.770	0.00
06/10/23	7.440	9.0	7.0		2.328		8.0		0.000				0.015				0.000	0.187	10.620	0.00
06/11/23	7.440	10.7		<0.1	2.673				0.000				0.007				0.000	0.187	10.660	0.00
06/12/23	7.420	9.9	12.5	<0.1	2.864	6.4	7.0	<0.1	0.000				0.008	7.6	6.0	<0.1	0.000	0.187	11.120	0.00
06/13/23	7.500	10.7	15.4	<0.1	2.962	6.2	7.0	<0.1	0.000				0.004	8.0	6.2	<0.1	0.000	0.191	11.290	0.00
06/14/23	7.310	11.5	9.4	0.1	2.656	6.2	7.0	<0.1	0.011	1.4	2.7	<0.1	0.047	8.0	6.6	<0.1	0.000	0.188	11.010	0.00
06/15/23	7.330	10.7	9.1	<0.1	2.603	7.6	8.0	<0.1	0.000				0.050	8.2	7.0	<0.1	0.000	0.187	10.910	0.02
06/16/23	7.450	9.5	8.4	0.1	2.633	8.1	7.0	<0.1	0.000				0.018	6.4	5.2	<0.1	0.000	0.186	11.270	0.00
06/17/23	7.620	11.5	9.2		2.998		6.0		0.000				0.016				0.000	0.187	11.510	0.00
06/18/23	7.570	14.1	13.3	<0.1	2.733				0.000				0.007				0.000	0.186	11.430	0.00
06/19/23	7.370	11.2	14.3	<0.1	2.554	10.2	8.0	<0.1	0.000				0.011	8.2	6.0	<0.1	0.000	0.187	10.930	0.00
06/20/23	7.600	17.0		0.1	3.072	8.6	9.0	<0.1	0.000				0.006	7.6	5.8	<0.1	0.000	0.186	11.460	0.00
06/21/23	7.340	11.2	9.0	<0.1	2.730	7.9	8.0	<0.1	0.012	1.2	2.8	0.1	0.030	4.6	4.2	<0.1	0.000	0.186	10.990	0.00
06/22/23	7.160	12.4	7.7	<0.1	2.476	7.4	8.0	0.1	0.000				0.004	6.4	5.2	<0.1	0.000	0.165	10.730	0.00
06/23/23	7.070	8.2	9.4	0.1	2.408	7.5	6.0	<0.1	0.000				0.004	5.2	4.1	<0.1	0.000	0.180	10.470	0.00
06/24/23	7.050	9.6	6.7		2.185		7.0		0.000				0.011				0.000	0.175	10.270	0.00
06/25/23	7.230	10.1	8.4	<0.1	2.406				0.000				0.007				0.000	0.176	10.700	0.00
06/26/23	7.270	16.2	11.7	0.1	2.871	7.3	6.0	0.1	0.000				0.010	10.6	6.6	<0.1	0.000	0.176	11.110	0.00
06/27/23	7.270	10.3	9.3	<0.1	2.640	10.3	8.0	<0.1	0.000				0.005	8.4	6.0	<0.1	0.000	0.132	10.900	0.00
06/28/23	7.230	9.6	8.8	<0.1	2.602	7.0	6.0	<0.1	0.005	1.5	3.1	<1.0	0.015	4.2	3.4	<0.1	0.000	0.180	10.680	0.00
06/29/23	7.320	7.2	6.7	0.1	2.158	9.2	8.0	<0.1	0.000				0.008	5.6	4.2	<0.1	0.000	0.176	10.800	0.00
06/30/23	7.660	7.2	10.1	<0.1	2.304	7.7	6.0	<0.1	0.000				0.015	4.4	4.0	<0.1	0.000	0.179	10.800	0.00
AVG	7.490	10.9	9.5	<0.1	2.677	7.8	7.5	<0.1	0.002	1.4	3.1	<0.3	0.014	6.7	5.2	<0.1	0.000	0.182	11.078	
TOTAL	224.690				80.307				0.049				0.412				0.000	5.474	332.350	0.02

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: June 2023
 REPORT DUE: August 1, 2023
 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 06:44

Weather: Overcast

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	06/07/23	09:00	400	60	84	None	None	None	None	Green		Turbid		
S1	06/07/23	09:10	100	20	8	None	None	None	None	Green		Turbid		
S2	06/07/23	09:50	20	20	2	None	None	None	None	Green		Turbid		
DSB5	06/07/23	10:10	400	20	22	None	None	None	None	Green		Turbid		
S3	06/07/23	09:15	<20	<20	2	None	None	None	None	Green	62	Turbid		
DSB4	06/07/23	09:15	60	20	4	None	None	None	None	Green		Turbid		
S5	06/07/23	09:20	20	<20	2	None	None	None	None	Green		Turbid		
DSB1	06/07/23	09:30	<20	<20	8	None	None	None	None	Green		Turbid		
SJC1	06/07/23	09:01	200	200	160	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: June 2023
 REPORT DUE: August 1, 2023
 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 08:37
 Weather: Drizzle
 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	06/15/23	08:35	600	<20	<10	None	None	None	None	Green	64	Turbid		
S1	06/15/23	08:40	20	<20	90	None	None	None	None	Green		Turbid		
S2	06/15/23	09:30	40	<20	<10	None	None	None	None	Green		Turbid		
DSB5	06/15/23	09:00	60	<20	<10	None	None	None	None	Green		Turbid		
S3	06/15/23	08:45	<20	<20	<10	None	None	None	None	Green		Turbid		
DSB4	06/15/23	08:45	<20	<20	<10	None	None	None	None	Green		Turbid		
S5	06/15/23	08:50	40	<20	<10	None	None	None	None	Green		Turbid		
DSB1	06/15/23	09:00	20	<20	30	None	None	None	None	Green		Turbid		
SJC1	06/15/23	08:37	300	<100	<100	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: June 2023
 REPORT DUE: August 1, 2023
 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 05:12

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	06/19/23	09:02	400	80	10	None	None	None	None	Green		Slightly Turbid		
S1	06/19/23	09:32	20	<20	<2	None	None	None	None	Green	60	Slightly Turbid		
S2	06/19/23	08:53	20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB5	06/19/23	08:45	60	<20	2	None	None	None	None	Green		Slightly Turbid		
S3	06/19/23	09:42	20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	06/19/23	09:44	20	<20	<2	None	None	None	None	Green	61	Slightly Turbid		
S5	06/19/23	09:55	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	06/19/23	09:59	<20	200	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	06/19/23	09:11	300	100	30	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

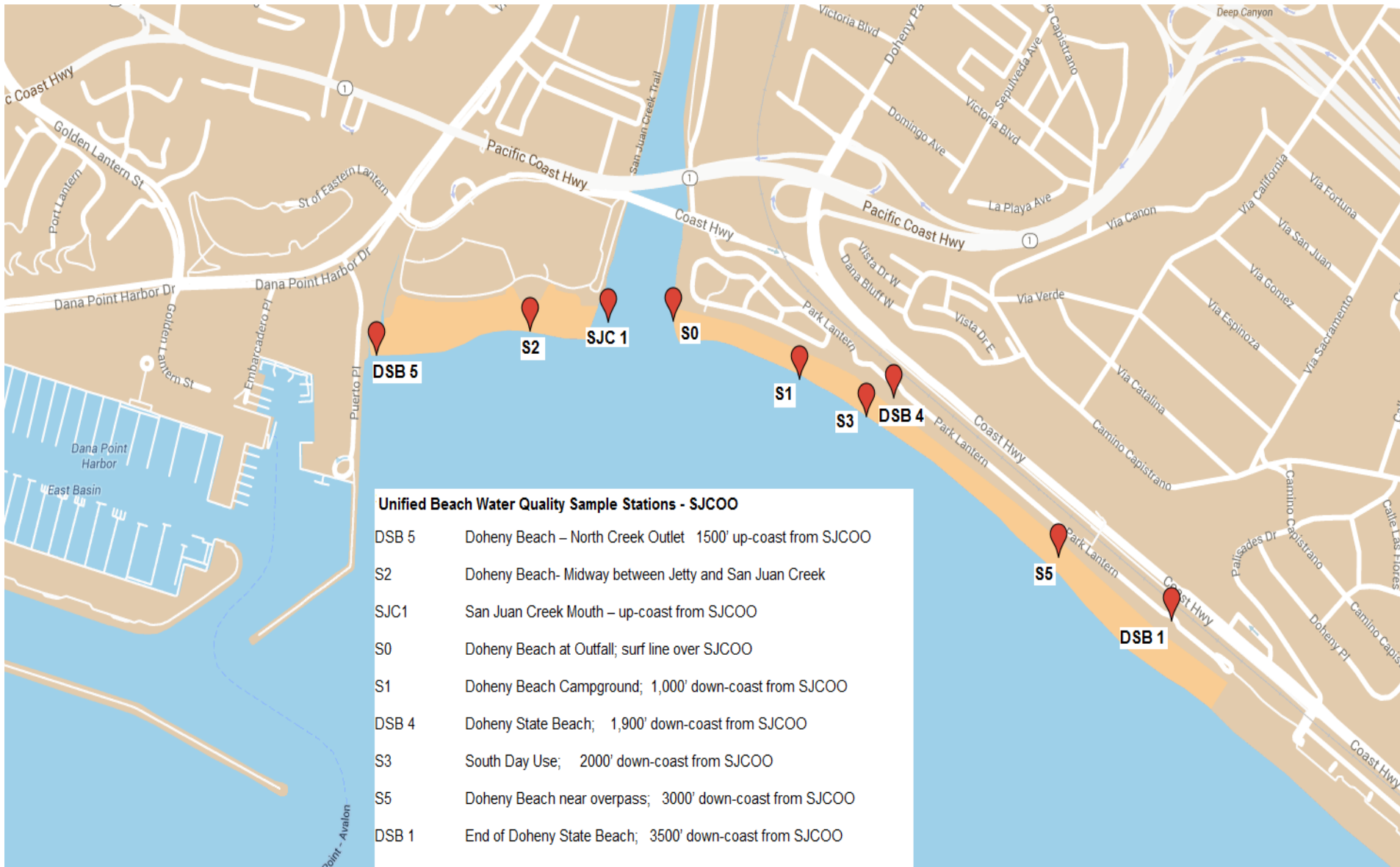
REPORT FOR: June 2023
 REPORT DUE: August 1, 2023
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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 09:37
 Weather: Overcast
 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	06/26/23	08:35	400	100	10	None	None	None	None	Green		Turbid		
S1	06/26/23	08:45	<20	<20	<2	None	None	None	None	Green		Turbid		
S2	06/26/23	09:25	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB5	06/26/23	09:40	40	<20	<2	None	None	None	None	Green		Turbid		
S3	06/26/23	08:50	20	<20	<2	None	None	None	None	Brown		Turbid		
DSB4	06/26/23	08:50	<20	<20	2	None	None	None	None	Brown	60	Turbid		
S5	06/26/23	08:55	20	<20	2	None	None	None	None	Green		Turbid		
DSB1	06/26/23	09:00	20	<20	2	None	None	None	None	Green		Turbid		
SJC1	06/26/23	08:34	300	100	40	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.



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: June 2023

REPORT FREQUENCY: Monthly

REPORT DUE: August 1, 2023

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 08:09

Station No.	Sample Depth	Sample Date	Total Coliform	Fecal Coliform	Enterococcus	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600				
A-1	Surface	06/01/23	4	2	2	09:26	0	0	
A-1	Mid depth	06/01/23	20	<10	<10				
A-2	Surface	06/01/23	<2	<2	<2	09:31	0	0	
A-2	Mid depth	06/01/23	<10	<10	<10				
A-3	Surface	06/01/23	6	<2	<2	09:36	0	0	
A-3	Mid depth	06/01/23	10	<10	10				
A-4	Surface	06/01/23	2	<2	<2	09:44	0	0	
A-4	Mid depth	06/01/23	10	30	<10				
A-5	Surface	06/01/23	<2	<2	<2	09:40	0	0	
A-5	Mid depth	06/01/23	10	20	<10				
B-1	Surface	06/01/23	<2	<2	<2	09:21	0	0	
B-1	Mid depth	06/01/23	<10	<10	<10				
B-2	Surface	06/01/23	2	<2	<2	09:54	0	0	
B-2	Mid depth	06/01/23	<10	<10	<10				
N1	Surface	06/01/23	<2	<2	<2	09:13	0	0	
N2	Surface	06/01/23	8	<2	2	09:09	0	0	
N3	Surface	06/01/23	6	2	4	09:05	0	0	
N4	Surface	06/01/23	6	2	4	09:02	0	0	
N5	Surface	06/01/23	10	4	2	08:57	0	0	
N6	Surface	06/01/23	10	2	<2	08:55	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.

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	3.0ml/L	Not Reported	\$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.							

Agenda Item

5.B.

Legal Counsel Review: No

Meeting Date: August 3, 2023

TO: Board of Directors

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

STAFF CONTACT: Katie Greenwood, Source Control Manager

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

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-N4-010 for Three Arch Bay – Staff is working with SCWD and Three Arch Bay (TAB) Staff to add and reflect three new dry weather diversion connection points. Due to Staff turnover, SCWD and TAB temporarily placed the construction design and diversion connection on hold. On May 10, 2023, TAB’s Engineer submitted one of three designs for approval. Once fully approved and constructed, SCWD will amend the existing Agreement or create a new Agreement between SCWD and TAB, and then a new Permit will be created, or the existing Permit will be modified prior to the new diversions being connected to sewer facilities.

SCWD - Burnham-Ward Properties LLC - The County of Orange - Dana Point Harbor Revitalization Project – On July 26, 2022, Staff received a SWD Permit Application to discharge water encountered during construction activities over a three-year period. SOCWA provided a response letter to the application on September 19, 2022, stating concerns and a request for additional documentation and monitoring data. The applicant submitted additional monitoring data on January 31, 2023. During an in-person meeting with applicant and its Staff on February 8, 2023, SOCWA relayed the need to further study the impact to its JBL facility, as recommended by the Carollo JBL TP Salt Study, and figure treatment costs should discharge to the sewer commence. The applicant agreed to pay for the additional study and sign a commitment letter stating such. A scope of work from Carollo Engineering for the model and study was provided on May 11, 2023, to the applicant for review. SOCWA has received no correspondence from the applicant and has reached out on several occasions to schedule a meeting to discuss the scope of work.

SMWD/MNWD – SWD Permit No. SOCWA-4-005 –Lake Mission Viejo Advanced Purified Water Treatment Facility (APWTF) – SMWD Staff provided a renewal permit application on May 24, 2023. SOCWA issued a renewal permit on July 19, 2023. The site has been discharging to the

sewer since 2017 with no known impacts to sewerage facilities. The permit term continues to remain at one year, and the permit renewed annually.

CLB – NSWD Permit No. CLB-N4-002 – Festival of Arts – Renewal NSW Permit to continue to allow amphitheater wash-down wastewater to be discharged periodically during the summer months only. A NSW permit application was received on July 14, 2023, and a renewal permit was issued on July 24, 2023.

CLB - NSWD Permit No. CLB-N4-001 – Multiple Diversions – Renewal NSW Permit to continue to allow dry weather diversion flows to be discharged to the sewer. A NSW renewal permit application was received on June 21, 2023, and a renewal permit was issued on July 24, 2023.

CLB – SWD Permit No. CLB-4-002 – Rivian Automotive, LLC. – SWD Permit to allow groundwater encountered during trenching efforts to be discharged to the sewer. SOCWA received an application on May 31, 2023, and is working with the applicant to issue a permit for discharge starting October 2023 through November 2023.

SMWD – WD Permit No. SMWD-1-009-08-28 - Applied Medical New Passivation (Bldg. R119) – Applied Medical currently conducts passivation of metallic parts at 30152 Aventura (R108) and 22982 Arroyo Vista (R103). Passivation processes and associated equipment will be transferred to a new facility located at 23061 Arroyo Vista, Rancho Santa Margarita (R119). Wastewater generated from these passivation processes will be discharged to the sewer. SOCWA received a WD Permit Application on July 6, 2023, and a baseline monitoring report (BMR) on July 12, 2023. Staff expects to issue a Class I WD Permit for the new location by the end of August 2023.

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 July 18, 2023, Staff attended *The Role of Innovation in the Nation's Quest for Reduced Effluent Nutrient Loads - Live Webinar* hosted by CWEA.

On July 25, 2023, Staff attended a refresher EPA Technical Webinar and Presentation on Preliminary Wastewater Treatment.

Inspections

SOCWA Staff has started the process of conducting its required annual site inspections and monitoring/sampling of all SIU/CIU's in the SOCWA service area. This is a required activity of the SOCWA pretreatment program. The information and data obtained from these required activities will be incorporated into the SOCWA Pretreatment Annual Report.

IRWD – On July 19-20, 2023, SOCWA and IRWD Staff jointly performed the annual inspection and sampling event of Dynacast. The inspection yielded no major findings. Sampling results are pending.

SMWD – On July 25, 2023, SOCWA performed its annual inspection and sampling event of Applied Medical's passivation process located in Building R108, 30152 Aventura, Rancho Santa Margarita, CA 92688.

Summary of IWS Activities in SOCWA's Service Area - YTD through July 19, 2023

<u>MA IUs</u>	<u>Events</u>	<u>Permits</u>	<u>NIWD</u>	<u>BMPs</u>	<u>FSEs</u>	<u>OSes</u>	<u>DSEs</u>	<u>Closed</u>	<u>Enforcement</u>	<u>Total IUs</u>
CLB (S)	0	3	2	5	8	110	15	0	0	143
CSC (S)	0	10	35	18	181	1265	37	1	1	1546
CSJC (S)	24	3	27	59	139	1682	28	9	0	1937
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)	2	4	51	21	63	915	18	0	0	1072
MNWD (S)	54	6	120	38	646	2125	149	10	0	3084
SMWD (S)	32	6	19	20	214	828	52	7	0	1139
SCWD (S)	0	8	33	7	148	186	15	0	0	397
TCWD (S)	2	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	3	1	0	0	0		0	0	4
Totals	114	47	387	168	1668	7275	366	27	1	9861

(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.C.

Board of Directors Meeting

Meeting Date: August 3, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

SUBJECT: Capital Improvement Program Status Report (*July*)

The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages. Below are updates for the month of July 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:

Staff is working with the Construction Management team to close out all outstanding items.

Environmental Mitigation for the Coastal Treatment Plant Sludge Force Main Replacement Project

Restoration and improvements around Aliso Creek as required by the construction permits for the replacement of the force main from the Coastal Treatment Plant to the Regional Treatment Plant:

The area disturbed by construction has been reseeded with native species and is being monitored by a team of biologists. Staff are working with an environmental consultant, Dudek, on the planning of the mitigation work that is required by the project permits.

Aliso Creek Ocean Outfall Internal Seal Replacement Project

Replacement of five seals inside the outfall:

The contract was awarded in July, and staff has started coordinating with the diving contractor. Dives are expected to begin in late August. Staff is in communication with agency representatives to plan for shutdowns.

Coastal Treatment Plant AWMA Road Guardrail Replacement Project

Replacement of damaged guardrail along CTP access road:

Staff is coordinating with the contractor to schedule the work.

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
PC 2 - J.B. Latham Treatment Plant											
3220/3231/3287	Facility Improvements B	\$ 2,400,000	Construction nearing completion								
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehab	\$ -		D	D	B&A	C	C			
32231C	Process Water Repiping	\$ -		P	P	P					
3216/32225S	Energy Building Upgrades	\$ -		D	D	D	D				
3252	MCC M and G Replacement	\$ 1,000,000	Design underway	B&A	B&A	B&A	B&A	B&A	C	C	C
3234	Centrate Piping Reconstruction	\$ 150,000	Design underway			B&A	C	C			
32226L	Effluent Pump Station Upgrades	\$ 200,000		D	D	D	B&A	C	C	C	C
32233S	Scum Line Replacement	\$ 125,000		D	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									
PC 5 - San Juan Creek Ocean Outfall											
362410	SJCOO Outfall Ballast Repairs	\$ 250,000			P	P	D	D	D	B&A	C
PC 15 - Coastal Treatment Plant											
3541	Export Sludge Environmental Mitigation	\$ -	Mitigation work ongoing	ENV	ENV	ENV	ENV	ENV	ENV	ENV	ENV
35228L	Aeration Diffuser Replacement	\$ 1,250,000	Diffusers delivered	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			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		P	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	D	B&A	C	C	C
35247L	Aeration Blower System Upgrades	\$ 75,000		P	P	P					
35248L	AWMA Road Repairs	\$ 200,000		P	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
PC 17 - Regional Treatment Plant											
3742	Aeration System Upgrades	\$ -		P	P	P					
37241L	Grit/Primary Grating/Gate Replacement	\$ 150,000		D	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	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									
PC 21 - Effluent Transmission Main											
3105/3106	Air Valve Replacement (D&E)	\$ 75,000	Design underway	D	B&A	C	C				
3101	Trail Bridge Crossing (D)	\$ 150,000	Planning/design underway	P	P	P	P				
PC 24 - Aliso Creek Ocean Outfall											
3480	Internal Seal Replacement	\$ 250,000		C	C						
34241O	ACOO Outfall Ballast Repairs	\$ 250,000			P	P	D	D	D	B&A	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.D.

Budgeted: Yes
Budget Amt: PC2 \$300,000, PC 15 \$105,000, PC 17 \$475,000, Total 880,000
Line Item: PC 2, 15, & 17 Lines 5008
Legal Counsel Review: No
Meeting Date: August 3, 2023

TO: Board of Directors

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

STAFF CONTACT: Jeanette Cotinola, Procurement/Contracts Manager

SUBJECT: One (1) Year Contract Award to Miles Chemical for Ferric Chloride [Project Committees 2, 15 and 17]

Summary

The Ferric Chloride chemical contract with Miles Chemical expires in August. This chemical is necessary to maintain compliance with air quality regulations for sulfides in digester gas, control treatment plant odors, and ensure consistent settling in the wastewater treatment process.

The Board is being requested to approve a one (1) year contract with Miles Chemical for Ferric Chloride at \$1,232 per dry ton, plus applicable fees and taxes, including applicable charges for split load deliveries, with up to four (4) annual renewals.

Discussion/Analysis

There remain only a few Ferric Chloride manufacturers in the western parts of the United States. Staff reviewed recent Ferric Chloride requisitions from around Southern California and found that three (3) companies were responding to requests for proposals to provide Ferric Chloride. SOCWA staff also found two bidding processes were recently completed in Southern California.

The recent bids for ferric chloride ranged from \$1,233 to 2,040 per ton. Staff reviewed the recent procurement processes and found they were consistent with SOCWA's cooperative purchasing or piggyback processes. SOCWA staff contacted the lowest bidder, and they offered the recently bid lowest price of \$1,233 per ton (40+ ton deliveries) to SOCWA with options for extensions. The list of offered prices is below:

Volume	Current Price	Proposed Price	Inc %
Dry ton (40k+)	\$975.00	\$1,232.00	26.36%
Dry ton (>40k)	\$1,095.00	\$1,425.00	30.14%
Dry ton (>20k)	\$1,216.00	\$1,545.00	27.06%

Miles Chemical was the recent low bidder and SOCWA's current ferric chloride provider. The proposed one (1) year Contract is an increase of 26.36% over the current contract pricing. The increase is from \$975 to \$1,232 per ton. The high ferric chloride prices are due to price increases

from hydrochloric acid (HCl) supply chain disruptions. Additionally, the Federal government has banned the asbestos diaphragms used to produce HCl and other chlor-alkali products. This ban has restricted our nation's production of HCl, and other chlor-alkali products, while the existing plants convert to the newer and more expensive asbestos-free technology.

Prior Related Project Committee or Board Action(s)

None

Fiscal Impact

The impact on each of the Project Committees will be a 26.36% increase over last year's expenses for ferric chloride. Only a 6% increase was estimated when the budget was initially estimated in April 2023.

The estimated impact of the 26.36% increase to the member agencies by PC is:

PC2	Price inc.	Solids O&M
MNWD	\$13,523	17.10%
SMWD	\$50,690	64.10%
SCWD	\$14,867	18.80%
Total	\$79,080	100.00%

PC15	Price inc.	Solids O&M
CLB	\$14,855	53.67%
EBSD	\$637	2.30%
MNWD	\$0	0.00%
SCWD	\$12,187	44.03%
Total	\$27,678	100.00%

PC17	Price inc.	Solids O&M
CLB	\$16,428	13.12%
EBSD	\$701	0.56%
ETWD	\$13,460	10.75%
MNWD	\$18,982	15.16%
SCWD	\$75,639	60.41%
Total	\$125,210	100.00%

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Agency	Total
CLB	\$31,282
EBSB	\$1,338
ETWD	\$13,460
MNWD	\$32,505
SMWD	\$50,690
SCWD	\$102,693
Total	\$231,968

Recommended Action: Staff recommends the Board of Directors to authorize the Acting General Manager/Director of Operations to enter into a one (1) year contract with up to four (4) optional annual renewals with Miles Chemical, Inc. for Ferric Chloride at the following pricing:

Volume	Proposed Price (per dry ton)
Dry ton (40k+)	\$1,232.00
Dry ton (>40k)	\$1,425.00
Dry ton (>20k)	\$1,545.00

Agenda Item

6.A.

Budgeted: No

Budget amount: \$15,000

Line Item: 02-5015-02, 15-5015-2, 17-5015-02

Legal Counsel Review: No

Board Meeting Date: August 3, 2023

TO: PC 2, 15, & 17 Board Members
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Amber Baylor, Director of Environmental Compliance
SUBJECT: CASA Climate Change Program Manager Funding Request

Summary

The California Association of Sanitation Agencies (CASA) has requested an additional year of funding for a Climate Change Program Manager for technical advocacy purposes related to sanitation specific zero-emission and electrification policy developments. SOCWA staff summarized the list of achievements CASA and Clean Water SoCal accomplished in the last funding round. SOCWA staff is requesting a Year 2 engagement for these services based on the achievements described below.

Discussion/Analysis

In response to efforts made by CASA and its members, the California Air Resources Board (CARB) adopted a Resolution in addition to the Advanced Clean Fleet Regulations on April 28, 2023. Executive Officer Steven Cliff read a portion of the final Resolution that directly related to the wastewater sector for the record (which is provided below and can be heard [online](#) at 0:24:05):

"Be it further resolved that, consistent with the latest Scoping Plan, the Board recognizes that the successful implementation of the food waste diversion requirements and methane emissions reductions mandated by SB 1383 are critical to the State's climate goals. The Board further recognizes that multiple reliable uses for non-fossil biomethane will be needed for successful implementation. The Board recognizes the need for coordination meetings with other state agencies such as CEC, CPUC, State Water Resources Control Board, CalRecycle, CDFA, CNRA, CalOSHA and other relevant stakeholders such as the California Association of Sanitation Agencies and the California Air Pollution Control Officers Association, to implement SB 1383 and SB 1440. As such, the Board directs staff to prioritize policy discussions related to SB 1383 and SB 1440 implementation and discussions on how to transition biomethane into hard-to-decarbonize sectors, or as a feedstock to produce hydrogen for FCEV fuel, and to produce electricity to charge BEVs to achieve the SB 1383 target. The Board further directs staff to report to the Board by the end of 2025 on progress for alternative uses of biomethane including identifying any appropriate regulatory actions as needed."

In summary, the Resolution directs CARB staff to coordinate with CASA and state agencies to ensure multiple beneficial uses for biomethane remain and that SB 1383 implementation progresses.

In follow-up correspondence, CARB has expressed interest in working with CASA to coordinate state agency collaboration and actively participate in regular workshops/meetings to ensure progress through the year 2025.

There remains a need for an enhanced level of coordination, analytical services, engagement in workshops and public hearings, as well as providing educational outreach to state agency staff, executives, and board members through the next fiscal year (ending 2024) for supporting CASA in adequately responding to CARB. This includes the following objectives and supporting actions:

- State agency coordination and meetings – CASA will work alongside CARB's Executive Officer/staff to coordinate regular (monthly or bimonthly) meetings with state agency staff (from CEC, CPUC, SWRCB, CalRecycle, CDFG, CNRA, CalOSHA, and other relevant stakeholders) to address barriers to biogas utilization and potential solutions (to use onsite, pipeline injection, and as a transportation fuel).
- CASA member coordination and meetings – CASA will lead a task force consisting of members meeting monthly (or as needed) to address questions and challenges that arise during state agency coordination meetings and prepare for those meetings and public hearings.
- Identify and address challenges in the implementation of Advanced Clean Fleet Regulations across the wastewater sector – CASA will develop a summary of the regulation as it pertains to members, guidance to help streamline requests for exemptions and extensions, as well as document early lessons learned and practical barriers/challenges to implementation.
- Examine the viability of wastewater biogas-to-hydrogen and utilization – CASA to coordinate with members and solution providers to examine/demonstrate the viability and related carbon intensity of conditioning wastewater biogas into hydrogen for use in zero-emission technologies.

The ultimate outcomes we are seeking include the following:

- Maintain a diverse set of beneficial uses for biogas (e.g., onsite, pipeline injection, transportation fuel), and avoid wasting recovered resources.
- Determine the viability of wastewater biogas to hydrogen and its use in zero-emission technologies.
- Support members in understanding the applicability of the Regulations and streamline the process of requesting exemptions and extensions.

Fiscal Impact

The requested amount for contribution is \$5,000 for each project committee, split based on FY 22-23 Solids loading budget for PC2 and PC17 and flow budgeting for PC15 based on the split between each of the three treatment facilities: JB Latham Facility, Regional Treatment Plant, and Coastal Treatment Plant. Solids loading was utilized to resolve treatment related to historic air management regulatory compliance related to solids treatment at each of the facilities, where applicable. Please note that it was unclear during year one (1) if additional funding would be needed; therefore, these monies were not budgeted for this support. Therefore, SOCWA staff is requesting a budget adjustment to account for this support.

The breakdown in cost per agency using the methodology is as follows:

PC 2 Member Agencies	FY 23-24 Solids Budget (%)	FY 23-24 Solids Budget (\$)	PC15 Member Agencies	FY 23-24 Budget (%)	FY 23-24 Budget (\$)	PC17 Member Agencies	FY 23-24 Solids Budget (%)	FY 23-24 Solids Budget (\$)	Total Contribution per Member Agency (\$)
			EBSD	2.30%	\$115	EBSD	0.56%	\$28	\$143
			CLB	53.67%	\$2,684	CLB	13.12%	\$656	\$3,340
SCWD	18.80%	\$940	SCWD	44.03%	\$2,202	SCWD	10.75%	\$538	\$3,679
						ETWD	15.16%	\$758	\$758
SMWD	64.08%	\$3,204							\$3,204
MNWD	17.12%	\$856	MNWD	0.00%	\$0	MNWD	60.40%	\$3,020	\$3,876
		\$5,000			\$5,000			\$5,000	\$15,000

Table 1: Per Agency cost breakdown for this funding request.

Recommended Action: Staff recommends the following:

- Project Committee 2 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Project Committee 15 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Project Committee 17 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.

Agenda Item

6.C.

Board of Directors Meeting

Meeting Date: August 3, 2023

TO: Board of Directors

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

SUBJECT: Amendment No. 4 – Acquisition for Use, Operation, Maintenance, and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority For and On Behalf of Project Committee No. 2 [Project Committee No. 2]

Summary/Discussion

The Project Committee No. 2 (PC2) agreement was extended until September 30, 2023, under Amendment No. 3 in April 2023. This item is to consider extending the PC2 agreement until the end of FY2023-24 to coincide with the approval of the PC2 Budget for FY 2023-24.

Fiscal Impact

None

Recommended Action: PC2 Board Discussion/Direction and Action.

Attachment: Draft Amendment No. 4 to Agreement for Acquisition, Use, Operation, Maintenance, and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority For and On Behalf of Project Committee No. 2

AMENDMENT NO. 4

**AGREEMENT FOR ACQUISITION, USE, OPERATION, MAINTENANCE AND
EXPANSION OF SEWAGE TREATMENT PLANT OF CITY OF SAN JUAN
CAPISTRANO BY SOUTH EAST REGIONAL RECLAMATION AUTHORITY FOR
AND ON BEHALF OF PROJECT COMMITTEE NO. 2**

This Amendment No. 4 (“Amendment No. 4”) to the “Agreement for Acquisition, Use, Operation, Maintenance and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority for and on behalf of Project Committee No. 2” (“PC 2 Agreement”), effective August 3, 2023 (“Effective Date”), is made by and between South Coast Water District, a county water district organized under the provisions of Division 12 of the California Water Code (commencing at Section 30000 et seq.) (“SCWD”), Moulton Niguel Water District, a California water district organized under the provisions of Division 13 of the California Water Code (commencing at Section 34000 et seq.) (“MNWD”), Santa Margarita Water District, a California water district organized under the provisions of Division 13 of the California Water Code (commencing at Section 34000 et seq.) (“SMWD”), and the South Orange County Wastewater Authority, a Joint Powers Authority (“SOCWA”), which are sometimes referred to herein individually as a “Party” and collectively as “Parties”.

RECITALS

- A. The PC 2 Agreement was made and entered into on June 28, 1973, by and between the South East Regional Reclamation Authority (“SERRA”), an entity created by a Joint Powers Agreement, and the following parties:
 - (a) City of San Juan Capistrano (“SJC”)
 - (b) Dana Point Sanitary District (“DPSPD”)
 - (c) MNWD
 - (d) SMWD

- B. SOCWA is the successor in interest to SERRA.

- C. SMWD is the successor in interest to SJC.

- D. SCWD is the successor in interest to DPSPD.

- E. Per Section 10 of the PC 2 Agreement, its fifty (50) year term will expire on June 28, 2023, and may be extended by unanimous consent of all parties to the PC2 Agreement.

- F. Effective April 18, 2023, the PC 2 Agreement was amended by Amendment No. 3 to the PC 2 Agreement. Amendment No. 3 extended the expiration of the PC 2 Agreement from June 28, 2023, to September 30, 2023.

AMENDED AGREEMENT

NOW THEREFORE, in consideration of the mutual promises, covenants, and terms and conditions herein, the Parties agree as follows:

- 1. The term of the PC 2 Agreement is hereby extended to **June 30, 2024.**

2. All other provisions of the PC 2 Agreement shall remain unchanged.
3. Any Party may execute this Amendment No. 4 using an “electronic signature,” as that term is defined in California Civil Code Section 1633.2, or a “digital signature,” as defined by California Government Code Section 16.5. An electronic or digital signature shall have full legal effect and enforceability. This Amendment No. 4 may be signed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same document.
4. The undersigned representative of each entity certifies that they are fully authorized to enter into this Amendment No. 4 and to legally bind such entity to this document.

IN WITNESS HEREOF, the Parties have executed this Amendment No. 4 as of the Effective Date.

Executed by:

SOUTH COAST WATER DISTRICT

Rick Shintaku, General Manager

MOULTON-NIGUEL WATER DISTRICT

Joone Lopez, General Manager

SANTA MARGARITA WATER DISTRICT

Dan Ferons, General Manager

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Jim Burror, Acting General Manager

Agenda Item

6.D.

Board of Directors Meeting

Meeting Date: August 3, 2023

TO: Board of Directors

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

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Approval of the Q2 through Q4 Project Committee 2 (PC2) Operations and Maintenance Budget and Capital Expenditures Budget [Project Committee 2]

Summary/Discussion

The Project Committee 2 (PC2) approved the FY2023-24 Q1 budget at the June 1, 2023, Board meeting and requested the Q2 through Q4 budget be considered at the August 3, 2023, Board meeting. The budgets that remain to be approved are presented in the following tables:

Operations and Maintenance Q2 through Q4 Budget

Agency	Q2 Budget	Q3 Budget	Q4 Budget	Q2 thru Q4 Total	Total PC2 Budget
MNWD	\$327,926	\$327,926	\$327,926	\$983,778	\$1,311,704
SMWD	\$1,085,761	\$1,085,761	\$1,085,761	\$3,257,284	\$4,343,045
SCWD	\$364,887	\$364,887	\$364,887	\$1,094,662	\$1,459,549
Total	\$1,778,575	\$1,778,575	\$1,778,575	\$5,335,724	\$7,114,298

PC 2 Capital Expenditures Budget Q2 through Q4 Budget

Agency	Q2 Budget	Q3 Budget	Q4 Budget	Q2 thru Q4 Total	Total PC2 Budget
MNWD	\$86,538	\$124,376	\$103,845	\$314,759	\$985,550
SMWD	\$180,289	\$282,451	\$216,347	\$679,087	\$2,326,566
SCWD	\$108,173	\$143,173	\$129,808	\$381,154	\$1,087,884
Total	\$375,000	\$550,000	\$450,000	\$1,375,000	\$4,400,000

This vote requires a 2/3rds majority vote.

Approval of the Project Committee PC2 Operations and Maintenance Budget and PC2 Capital Expenditures Budget authorizes the Acting General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized Budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

Recommended Action: Staff recommends that the PC2 Board approve the Q2 through Q4 Project Committee 2 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL, and OPEB) as proposed and PC2 Capital Expenditures Budget (inclusive of large capital, non-capital/misc. engineering, and small capital).

Agenda Item

6.E.

Board of Directors Meeting

Meeting Date: August 3, 2023

TO: Board of Directors

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

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Approval of the FY 2023-24 General Fund Budget Q2 through Q4 Uneven Allocations

Summary/Discussion

The Board of Directors requested that the approved General Fund Budget allocations be reviewed at the August 2023 meeting. This is because the Q2 through Q4 General Fund Budget allocations were approved on an equal allocation basis and not using the traditional unequal (participation) basis. Traditionally, the Board has adopted the General Fund Budget allocations based on the number of Project Committees the member participates in, excluding PC21 (ETM) and PC23 (NCI). The following are the General Fund uneven allocations presented on Page 11 of the Budget Book:

Member Agency	GF Allocation %
City of Laguna Beach	13.8%
City of San Clemente	6.9%
El Toro Water District	10.3%
Emerald Bay Services District	13.8%
Moulton Niguel Water District	20.7%
Santa Margarita Water District	13.8%
South Coast Water District	20.7%

The even allocation approved for Q2 through Q4 is 1/7th (14.28572%) per member agency.

An action to modify the FY2023-24 General Fund Q2 through Q4 allocations to the uneven allocations requires a unanimous vote by SOCWA member agencies.

Fiscal Impact

The uneven participation method, as presented on Page 11 of the Budget Book, results in the following General Fund Budget allocation by member agency for FY2023-24:

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Member Agency	GF Allocation \$
City of Laguna Beach	\$59,605
City of San Clemente	\$29,802
El Toro Water District	\$44,703
Emerald Bay Services District	\$59,605
Moulton Niguel Water District	\$89,407
Santa Margarita Water District	\$59,605
South Coast Water District	\$89,407
Total	\$424,032

The approved uneven participation for Q1 and even participation for Q2 through Q4 results in the following allocations by member agency for FY2023-24:

Member Agency	Q1 GF Allocation %	Q1 Budget	Q2-Q4 GF Allocation %	Q2-Q4 Budget	Total FY23-24 GF Proposed Budget	Delta from Proposed Budget
City of Laguna Beach	13.80%	\$14,629.10	14.28572%	\$45,432.02	\$60,061.12	\$456.12
City of San Clemente	6.90%	\$7,314.55	14.28572%	\$45,432.02	\$52,746.57	\$22,944.57
El Toro Water District	10.30%	\$10,918.82	14.28572%	\$45,432.02	\$56,350.84	\$11,647.84
Emerald Bay Services District	13.80%	\$14,629.10	14.28572%	\$45,432.02	\$60,061.12	\$456.12
Moulton Niguel Water District	20.70%	\$21,943.66	14.28572%	\$45,432.02	\$67,375.67	(\$22,031.33)
Santa Margarita Water District	13.80%	\$14,629.10	14.28572%	\$45,432.02	\$60,061.12	\$456.12
South Coast Water District	20.70%	\$21,943.66	14.28572%	\$45,432.02	\$67,375.67	(\$22,031.33)
Total	100.00%	\$106,008.00	100.0000%	\$318,024.00	\$424,032.00	\$0.00

This table also includes a comparison of the approved action to the initially proposed General Fund Budget allocations using the unequal allocations for Q1 through Q4 in the last column.

Recommended Action: Board Discussion/Direction and Action.