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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*

March 2, 2023
8:30 a.m.

PHYSICAL MEETING LOCATION:
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.

Join Zoom Meeting
<https://socwa.zoom.us/>

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South Orange County Wastewater Authority
Board of Directors Meeting
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- 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.

3.A APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

ACTION Board Discussion/Direction and Action.

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4. CONSENT CALENDAR

A. Operations Report (January) 1

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

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

B. Capital Improvement Program Status Report (February) 43

ACTION Information item; receive and file.

C. Capital Improvement Construction Projects Progress and Change Order Report (February) [Project Committees 2, 15, & 17] 47

ACTION Staff recommend that the Board of Directors receive and file the report as an information item.

D. Flows and Solids Loadings for FY 2023-24 Budget Preparation 48

ACTION Information Item.

E. FY 2022-23 Sierra Analytical Increase Purchase Order 51

ACTION Staff recommends that the Board of Directors authorize the General Manager to increase the Sierra Analytical purchase order by \$35,000 for FY2022-23.

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- F. Contract Award for Regional Treatment Plant (RTP) Cogen Engine SCR Blower Installation [Project Committee 17] 54
- ACTION The Engineering Committee recommends that the PC 17 Board of Directors:
1. Award the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the RTP Cogen selective catalytic reducer (SCR); and
 2. Establish a project contingency in the amount of \$5,000.
- G. Contract Award for J.B. Latham Treatment Plant (JBL) Cogen Engine SCR Blower Installation [Project Committee 2] 58
- ACTION The Engineering Committee recommends that the PC 2 Board of Directors:
1. Award the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the JBL Cogen selective catalytic reducer (SCR); and
 2. Establish a project contingency in the amount of \$5,000.
- H. Replacement Wemco Grit Pump [Project Committee 2] 62
- ACTION Staff recommends that the PC 2 Board of Directors authorize the General Manager to purchase two (2) replacement Wemco 3X3 Torque Pumps for the JB Latham Plant from Flo-Systems, Inc. at the cost of \$54,104.51, plus shipping costs, fees, and additional tax to be determined at the time the units are shipped.
- I. Contract Award for J.B. Latham Treatment Plant (JBL) Administration Building Roof Reconstruction [Project Committee 2] 64
- ACTION The Engineering Committee recommends that the PC 2 Board of Directors award the contract to A. Preman Roofing in the amount of \$93,985.00 for the JB Latham Administration Building Roof Reconstruction Project with a contingency of \$19,700.00.

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- J. Contract Award to Crown Facility Solutions for Janitorial Services
[Project Committees 2, 15, & 17] 67

ACTION Staff recommends that the Board of Directors authorize the Acting
General Manager to:

1. Award a contract to Crown Facility Solutions for two (2) years
for a not to exceed the amount of \$135,705.64, and
2. Authorize the Acting General Manager approval authority for 3
optional annual renewals upon mutual agreement of both
parties.

- K. Resolution No. 2023-02: Resolution of the Board of Directors of the South Orange
County Wastewater Authority Authorizing Investment of Monies in the Local Agency
Investment Fund (LAIF)..... 69

ACTION Staff recommends that the Board of Directors adopt Resolution No.
2023-02: Resolution of the Board of Directors of the South Orange
County Wastewater Authority Authorizing Investment of Monies in
the Local Agency Investment Fund (LAIF).

- L. Resolution No. 2023-03: Resolution of the Board of Directors of the South Orange
County Wastewater Authority Authorizing Establishment of Deposit Accounts with
Bank of the West (A trade name used by BMO Harris Bank N.A.)..... 73

ACTION Staff recommends that the Board of Directors adopt Resolution No.
2023-02: Resolution of the Board of Directors of the South Orange
County Wastewater Authority Authorizing Investment of Monies in
the Local Agency Investment Fund (LAIF).

5. GENERAL MANAGER'S REPORTS

- A. Resolution No. 2023-01: Resolution of the Board of Directors of the South Orange
County Wastewater Authority Adopting a Commendation to Jose Navarro for providing
dedicated service to the South Orange County Wastewater Authority and the Residents
of Southern Orange County for the period of November 1982 to January 2023..... 77

ACTION Staff recommends that the Board of Directors adopt Resolution No.
2023-01: Resolution of Commendation to Jose Navarro for
providing dedicated service to the South Orange County
Wastewater Authority and the Residents of Southern Orange
County for the period of November 1982 to January 2023.

- B. Board of Director Offices – Special Appointment of Board Officer Secretary/Treasurer 80

ACTION Staff recommends that the Board of Directors appoint James (Jim)
Leslie Burror, Jr. to the position of the Secretary/Treasurer.

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- C. South Orange County Integrated Water Management Plan (IRWM) – Special Appointment of Executive Committee Members 81

ACTION Staff recommends that the Board of Directors:

1. Reappoint South Coast Water District’s Rick Erkeneff as the primary representative and appoint James (Jim) Leslie Burror, Jr. as the alternate representative on the South Orange County Integrated Water Management Plan (IRWM) Executive Committee, and
2. Committee, and
3. Rescind all previous appointments to represent SOCWA on the South Orange County Water Management Plan (IRWM) Executive Committee.

- D. JPA & Project Committee Agreement Revisions.....
- Future of the Joint Powers Agreement / Future Direction for SOCWA

ACTION Board Discussion/Direction and Action.

- E. Consideration and Action on South OC Wastewater Authority Authorization Optimization Blueprint.....

1. Discussion regarding South Coast Water District’s proposal applicable to the JB Latham Plant / Project Committee No. 2. (*Proposal provided under separate cover*)
2. Continued discussion Santa Margarita Water District’s proposal applicable to the JB Latham Plant and Project Committee No. 2.
3. Discuss Project Committee No. 2 Draft Agreement.

ACTION Board Discussion/Direction and Action.

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

ACTION Board Discussion/Direction and Action.

- G. General Manager’s Status Report 82

ACTION Information Items, Board Discussion/Direction and Action.

- H. Upcoming Meetings Schedule:

- a. March 2, 2023 – Board of Directors Regular Meeting
- b. March 9, 2023 – Engineering Committee Meeting
- c. March 14, 2023 – PC 2 Committee / SOCWA Emp. Assoc. Meeting
- d. March 21, 2023 – Finance Committee Meeting
- e. March 21, 2023 – PC 2 Committee Meeting
- f. April 6, 2023 – Board of Directors Regular Meeting

ACTION Information Item.

South Orange County Wastewater Authority
Board of Directors Meeting
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6. CLOSED SESSION

A. Closed Session Pursuant to Government Code § 54957.6 Conference with Labor Negotiators:

SOCWA Agency Designated Representative: Brad Neufeld of Varner & Brandt

1. SOCWA Unrepresented Employee:
 - Controller
2. SOCWA Unrepresented Employee:
 - Director of Engineering
3. SOCWA Unrepresented Employee:
 - Director of Environmental Compliance
4. SOCWA Unrepresented Employee:
 - Executive Assistant / Clerk of the Board
5. SOCWA Unrepresented Employee:
 - Procurement/Contracts Manager
6. SOCWA Unrepresented Employee:
 - Human Resources Administrator

B. Closed Session Pursuant to Government Code § 54957.6 Conference with Labor Negotiators:

- SOCWA Agency Designated Representative: Brad Neufeld of Varner & Brandt

SOCWA Unrepresented Employee: Director of Operations/Interim General Manager

7. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by the 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
APRIL 6, 2023

Agenda Item

4.A.

Board of Directors Meeting

Meeting Date: March 2, 2023

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

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. Beach Ocean Monitoring Report

4. Recycled Water Report

5. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report January, 2023

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.77	8.65	6.57	1.19	19.18
Effluent (mgd)	2.95	6.82	6.57	2.70	19.04
Peak Flow (mgd)	10.65	27.34	15.92	10.00	63.91
Influent BOD (mg/l)	390	295	279	314	
Influent TSS (mg/l)	530	312	411	321	
Effluent BOD (mg/l)	4.2	5.6	10.3	8.5	
Effluent TSS (mg/l)	4.7	7.3	13.5	9.7	
Effluent Turbidity (NTU)	2.5	2.8	7.9	5.4	

(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)	0.06	1.83		1.89
Days of Operation (days)	4	30		
Total Flow (million gallons)	1.8	56.8		58.6
Plant Irrigation (million gallons)	0.01	0.03	0.16	
AWT Time Online (%)	98.0			

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 January, 2023 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		736.9	0.0	736.9
Nursery Products (tons)		391.7	376.4	768.1
Prima Deshecha (tons)		43.1	0.0	43.1
Other: Liberty (tons)		125.8	258.4	384.3
Total Processed (tons)		1,297.6	634.8	1,932.5

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	94	208	232	534
Corrective Maintenance	18	24	67	109

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	1	0
Member Agency	0	12	0	12
Residents	0	0	0	0
Others	10	7	11	17
Tours #/Visitors	0	0	1	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	NA	NA	12.0

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	NA	0.0
Utility Power Purchase (kWh)	210,505	-16,256	397,745	591,994
Cogen Power (kWh)		602,658	254,221	856,879
Natural Gas (Dth)	50	NA	NA	50
Digester Gas to Engine (scfm)		9,292,734	2,632,212	11,924,946
Digester Gas to Boiler (scfm)(1)		0	227,740	227,740
Digester Gas to Flares (scfm)		199,027	1,802,824	2,229,591
Digester Gas Power Savings		\$21,977		

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

(1) The new JBL Boiler that can use digester gas was commissioned in December 2022.

Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

SOCWA Operational Report January, 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	1.585	57.05%				1.58
EBS	0.052	1.88%				0.05
SCWD	1.141	41.06%		1.956	25.20%	3.10
MNWD	0.000	0.00%	8.65	1.400	18.04%	10.05
CSJC				2.315	29.83%	2.32
SMWD				2.090	26.93%	2.09
Total	2.778	100.00%	8.65	7.761	100.00%	19.19

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.58	8.59%	1.58	
EBS				0.05	0.28%	0.05	
SCWD	2.13	16.72%		1.17	6.34%	3.30	Includes Desalters
MNWD	2.46	19.34%		6.82	36.97%	9.29	
ETWD				3.88	21.04%	3.88	Direct Outfall Only
CSJC	2.32	18.17%				2.32	Includes Desalter
SMWD	2.17	17.05%				2.17	Includes Chiquita
CSC	3.66	28.73%				3.66	Direct Outfall Only
IRWD				4.94	26.78%	4.94	Direct Outfall Only
Total	12.74	100.00%	14.87	18.45	100.00%	31.19	

SOCWA Operational Report January, 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%	2.315	29.83%	2.15	29.11%
MNWD	3.00	23.08%	1.400	16.63%	1.400	18.04%	1.40	18.91%
SCWD	3.75	28.85%	1.610	19.12%	1.956	25.20%	1.67	22.57%
SMWD	2.25	17.31%	3.200	38.00%	2.090	26.93%	2.18	29.42%
Total	13.00	100.00%	8.420	100.00%	7.761	100.00%	7.40	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%	6,577	36.24%	6,450	23.79%
MNWD	8,340	21.62%	6,169	23.63%	3,591	19.79%	6,148	22.67%
SCWD	7,715	20.00%	5,584	21.39%	2,619	14.43%	5,753	21.21%
SMWD	10,946	28.38%	8,473	32.45%	5,361	29.54%	8,766	32.33%
Total	38,573	100.00%	26,110	100.00%	18,149	100.00%	27,117	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	3.661	28.73%	2.478	22.87%
CSJC	11.08%	8.860	11.08%	2.315	18.17%	2.418	22.32%
MNWD(3)	15.51%	12.410	15.51%	2.465	19.34%	1.895	17.49%
SCWD	12.46%	9.970	12.46%	2.130	16.72%	1.844	17.02%
SMWD	44.32%	35.460	44.33%	2.172	17.05%	2.199	20.30%
Total	100.00%	80.000	100.00%	12.743	100.00%	10.835	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 January, 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%	1.585	57.05%	1.434	53.27%
EBS	0.20	2.99%	0.060	2.21%	0.052	1.88%	0.059	2.18%
SCWD	2.00	29.85%	1.153	42.56%	1.141	41.06%	1.199	44.55%
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%	2.778	100.00%	2.691	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	0.0122	0.0122	0.1391%	0.0130	0.1727%
EBS	0.00001	0.0001%	0.0000	0.0004	0.0004	0.0046%	0.0005	0.0071%
SCWD	0.00427	0.0562%	0.0000	0.0088	0.0088	0.1001%	0.0109	0.1450%
ETWD	0.01562	0.2055%	0.0000	0.0210	0.0210	0.2401%	0.0172	0.2285%
MNWD	7.57236	99.6439%	8.6519	0.0701	8.7220	99.5162%	7.4757	99.4467%
Total	7.59942	100.0000%	8.6519	0.1125	8.7645	100.0000%	7.5172	100.0000%

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

SOCWA Operational Report January, 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%	119,078	10.83%	131,313	12.05%
EBSB	295	0.59%	177	0.48%	3,934	0.36%	5,408	0.50%
SCWD	4,480	8.96%	3,392	9.16%	85,697	7.80%	110,411	10.13%
ETWD	10,200	20.41%	5,305	14.32%	205,609	18.70%	172,527	15.83%
MNWD	29,395	58.82%	23,769	64.16%	684,995	62.31%	669,977	61.49%
Total	49,975	100.00%	37,049	100.00%	1,099,312	100.00%	1,089,636	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%	1.585	8.59%	1.434	14.21%
EBSB	0.78%	0.390	0.78%	0.052	0.28%	0.059	0.58%
ETWD	16.30%	8.151	16.30%	3.881	21.04%	2.287	22.68%
IRWD	15.76%	7.880	15.76%	4.940	26.78%	2.492	24.71%
MNWD	43.85%	21.924	43.85%	6.821	36.97%	3.193	31.66%
SCWD	12.31%	6.155	12.31%	1.170	6.34%	0.621	6.15%
Total	100.00%	50.000	100.00%	18.450	100.00%	10.086	100.00%

SOCWA Operational Report January, 2023 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Overhauled Centrifuge #2, which was becoming out of balance and shutting down.
Repaired corroded and leaking bleach line feeding the RAS system.
Troubleshooted the East RAS Pump #3 that failed.
Repaired damaged Headworks Bar Rake at Headworks #1.
Replaced several failing Plant #2 influent channel covers.
Replaced failed odor control fan 02F24031 fan belt.
Performed final inspections and testing of the new Digester #2 equipment.
Repaired a leak on the RAS line in the plant access road.
Replaced corroded and failed East RAS Pump #2.
Repaired leaking odor control caustic suction piping.
Repaired leaking hot water return piping between Digesters 1/2 and 3/4.

CTP - PC15

Replaced failed lighting system in the Old Export Building.
Replaced failed North DAFT skimmer arms.
Repaired potable water line break near the Operations Building.
Repaired the failed bearing, broken skimmer blade, and damaged gearbox on Rotary Screen #1.
Replaced failed SCWD Influent Meter.
Repaired DPS Sump Pump #2 that failed.

RTP - PC17

Cleared storm damage, including blocked drains and several downed trees.
Removed graffiti from the access bridge and filed a police report.
Rebuilt a failed odor control box for Aeration Tank #3.
Replaced failed butterfly valve on DAF #3.
Supported JBL staff on several larger repairs.

Support Services - ALL PC'S

Replaced the failed Aeration Deck SC200 controller at RTP.
Upgraded six obsolete SC100's to SC200's or SC400's, including necessary conduit and wiring at RTP.
Replaced failed level sensor in the effluent channel at JBL.
Removed the failed washpactor in Headwork #1 at JBL for overhaul.
Recalibrated failing Plant #1 Sludge Flow Meter at JBL.
Replaced failed lighting panel transformer damaged by the rain at Headworks #1 at JBL.
Relocated the damaged and failed conduit near the walking path near Building #25 at JBL.
Troubleshooted the communications fiber system near Building #13 at JBL.
Replaced failed GFI near Building #30, damaged by the rain.
Troubleshooted failed Plant Sump Pump damaged by the rain.

SOCWA Operational Report January, 2023 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Replaced failed D.O. probe on the A-pass for Aearion Tank #5 at JBL.
Troubleshoot the effluent turbidity meter that was in error at CTP.
Replaced failed D.O. probe on the West #2 Aearion Tank at CTP.
Troubleshoot the West RAS Bleach Pump flow meter that was in error at CTP.
Troubleshoot the TC1 PLC that had a communications error at CTP.
Troubleshoot a Cogen starting error with Western Energy at RTP.
Replaced a failed pond level sensor at RTP.
Replaced the corroded and failed Dynablend #3 pump.
Troubleshoot Polymer Feed Pump #2 that was tripping offline.

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

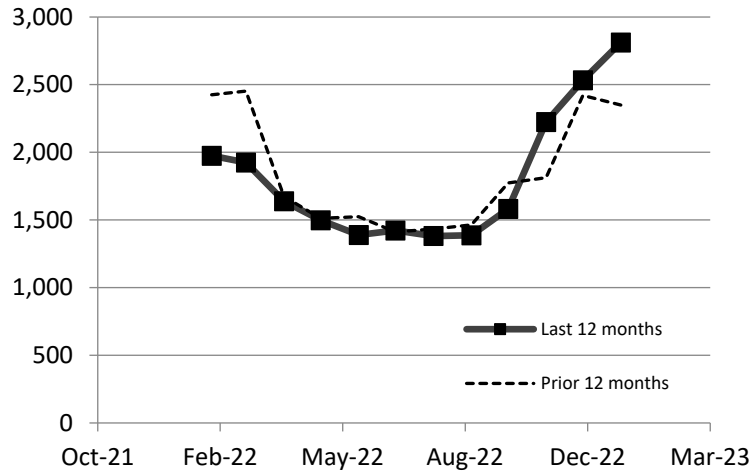
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report January, 2023 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.58	8.59%	1.58
EBSD			0.05	0.28%	0.05
SCWD	2.13	16.72%	1.17	6.34%	3.30
MNWD	2.46	19.34%	6.82	36.97%	9.29
ETWD			3.88	21.04%	3.88
CSJC	2.32	18.17%			2.32
SMWD	2.17	17.05%			2.17
CSC	3.66	28.73%			3.66
IRWD			4.94	26.78%	4.94
Total	12.74	100.00%	18.45	100.00%	31.19
or Acre-Feet per year equivalent					34,936

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

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	1,422
Jun-22	1,389
May-22	1,498
Apr-22	1,638
Mar-22	1,924
Feb-22	1,974
Total	21,764



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

January 2023

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
01/01/23	3.331	18.0	23.0	<0.3	3.722	20.3	7.0	0.1	7.080	6.6	5.0	0.2	2.952	8.0	6.0	0.1	0.555	0.547	NO FLOW	18.187	0.52
01/02/23	4.091	14.0	11.0	<0.3	3.480	17.0		0.1	6.83	4.2	5.0	0.1	3.218	12.6	2.0	<0.1	0.764	0.512	NO FLOW	18.895	0.01
01/03/23	4.173	15.0	9.5	<0.3	3.603	22.0	8.3	<0.1	6.310	5.8	4.0	0.1	2.548		4.0	<0.1	0.763	0.511	NO FLOW	17.908	0.29
01/04/23	3.575	23.0	12.0	<0.3	3.941	15.0	6.0	0.1	6.630	6.6	5.0	0.1	2.745	1.6	3.0	<0.1	0.474	0.540	NO FLOW	17.905	0.12
01/05/23	3.680	13.0	23.0	<0.3	4.672	19.0	9.1	<0.1	6.520	8.2	7.0	0.1	2.702	6.6	4.0	0.1	0.577	0.528	NO FLOW	18.679	0.91
01/06/23	3.926	20.0	26.0	<0.3	3.402	15.3	7.8	<0.1	8.260	7.2	6.0	0.2	3.225	4.4	5.0	0.1	0.763	0.504	NO FLOW	20.080	0.00
01/07/23	3.595	14.0		<0.3	3.201	15.0	6.3	<0.1	6.810	7.6			2.758	5.8	4.0		0.763	0.498	NO FLOW	17.625	0.00
01/08/23	3.473	19.0	12.0	<0.3	3.745	16.3	7.0	0.1	6.320	10.2	7.0	0.3	2.697	3.0	5.0	<0.1	0.763	0.497	NO FLOW	17.495	0.00
01/09/23	3.610	24.0	14.0	<0.3	3.646	16.0		<0.1	6.140	12.0	5.0	0.3	2.653	4.2	3.0	<0.1	0.764	0.497	NO FLOW	17.310	0.05
01/10/23	4.134	20.0	13.0	<0.3	4.525	12.4	5.7	<0.1	5.980	8.7	8.0	0.2	2.593	5.6	5.0	<0.1	0.763	0.505	NO FLOW	18.500	1.12
01/11/23	4.080	19.0	18.0	<0.3	4.097	17.7	7.5	<0.1	8.010	7.4	4.0	0.1	3.297	6.0	3.0	<0.1	0.763	0.507	NO FLOW	20.754	0.02
01/12/23	3.550	14.0	15.0	<0.3	3.497	11.3	4.7	<0.1	7.410	6.4	5.0	0.1	2.759	3.6	4.0	0.1	0.764	0.570	NO FLOW	18.550	0.00
01/13/23	3.536	17.0	16.0	<0.3	3.220	12.7	4.3	<0.1	6.170	6.4	5.0	0.1	2.696	5.8	5.0	<0.1	0.763	0.576	NO FLOW	16.961	0.00
01/14/23	3.603	11.0		<0.3	4.908	21.0	6.7	0.1	5.840	5.0	9.0	0.1	2.649	1.0	4.7		0.763	0.573	NO FLOW	18.336	1.89
01/15/23	3.640	22.0	21.0	<0.3	5.154	17.7	6.8	<0.1	9.110	7.4	8.0	0.1	3.624	6.8	6.0	<0.1	0.764	0.574	NO FLOW	22.866	0.64
01/16/23	4.271	16.0	24.0	<0.3	5.924	14.7		<0.1	9.710	7.8	6.0	<0.1	3.387	1.6	2.0	<0.1	0.763	0.574	NO FLOW	24.629	0.55
01/17/23	4.601	14.0	20.0	<0.3	3.899	14.7	5.8	<0.1	9.770	7.2	5.0	0.1	3.636	5.4	4.0	<0.1	0.758	0.538	NO FLOW	23.202	0.03
01/18/23	4.564	6.4	25.0	<0.3	4.464	16.0	7.1	<0.1	7.920	6.5	5.0	0.1	2.938	4.0	4.0	<0.1	0.756	0.541	NO FLOW	21.183	0.00
01/19/23	4.167	16.0	10.0	<0.3	4.539	6.7	3.1	<0.1	6.310	8.4	7.0	0.2	2.922	5.6	5.0	<0.1	0.652	0.566	NO FLOW	19.156	0.06
01/20/23	3.769	12.0	26.0	<0.3	4.532	10.3	4.5	<0.1	6.170	7.2	6.0	0.2	1.820	4.4	4.0	<0.1	0.514	0.591	NO FLOW	17.396	0.00
01/21/23	3.601	13.0		<0.3	4.488	9.0	3.6	<0.1	5.440	8.2	7.0		2.368	7.0	4.0		0.682	0.579	NO FLOW	17.158	0.00
01/22/23	3.606	13.0	9.1	<0.3	3.034	6.0	3.6	0.2	6.030	6.0	6.0	0.5	2.676	6.4	4.0	<0.1	0.756	0.562	NO FLOW	16.664	0.00
01/23/23	3.393	24.0	24.0	<0.3	3.532	21.7		<0.1	6.670	14.4	6.0	0.2	3.110	1.2	3.0	<0.1	0.756	0.564	NO FLOW	18.025	0.00
01/24/23	2.946	25.0	47.0	<0.3	3.645	16.0	7.5	<0.1	6.930	6.6	4.0	0.1	2.849	5.4	5.0	0.1	0.757	0.570	NO FLOW	17.697	0.00
01/25/23	2.927	14.0	25.0	<0.3	2.987	12.7	6.2	<0.1	8.100	7.0	4.0	0.3	2.580	2.4	2.0	<0.1	0.756	0.569	NO FLOW	17.919	0.00
01/26/23	3.368	15.0	25.0	<0.3	2.805	14.0	5.3	<0.1	7.470	6.8	7.0	0.1	2.563	6.8	9.0	<0.1	0.756	0.568	NO FLOW	17.530	0.00
01/27/23	3.502	16.0	12.0	<0.3	3.834	10.7	4.0	<0.1	5.990	5.2	6.0	0.5	2.381	3.2	5.0	<0.1	0.756	0.566	NO FLOW	17.029	0.00
01/28/23	3.250	13.0		<0.3	3.312	23.3	9.6	<0.1	5.580	7.6	5.0		2.583	3.4	3.0		0.756	0.560	NO FLOW	16.041	0.00
01/29/23	3.231	13.0	20.0	<0.3	3.711	16.3	6.8	0.1	5.260	7.0	5.0	0.3	2.651	5.4	6.0	<0.1	0.756	0.532	NO FLOW	16.141	0.03
01/30/23	3.216	15.0	15.0	<0.3	3.016	19.3		<0.1	5.190	5.0	5.0	0.2	2.618	1.8	3.0	<0.1	0.757	0.526	NO FLOW	15.323	0.64
01/31/23	3.412	11.0	18.0	<0.3	3.785	22.0	10.4	0.3	5.490	7.2	2.0	0.1	2.840	2.0	5.0	<0.1	0.755	0.526	0.142	16.950	0.00
AVG	3.672	16.1	19.0	<0.3	3.881	15.6	6.3	<0.1	6.821	7.3	5.6	<0.2	2.808	4.7	4.2	<0.1	0.724	0.544	0.142	18.455	
TOTAL	113.82				120.32				211.45				87.04				22.45	16.87	0.142	572.09	6.88

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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: Low Tide 1446

Weather: Drizzle

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	01/05/23	1201	100	<100	<100	None	None	None	None	Blue	58	Clear		
S4	01/05/23	1410	100	<100	<100	None	None	None	None	Green		Clear		
S5	01/05/23	1352	200	<100	100	None	None	None	None	Green		Clear		
S6	01/05/23	1340	600	100	400	None	None	None	None	Green		Clear		
WEST	01/05/23	1333	1,900	200	1,300	None	None	None	None	Green		Clear	Flowing	
S7	01/05/23	1327	300	100	300	None	None	None	None	Green		Clear		
S8	01/05/23	1314	600	<100	200	None	None	None	None	Brown		Slightly Turbid		
S9	01/05/23	1309	400	200	100	None	None	None	None	Brown		Slightly Turbid		
ACM1	01/05/23	1302	3,000	1,000	3,200	None	None	None	None	Brown		Turbid	Flowing	
S10	01/05/23	1226	1,700	800	1,000	None	None	None	None	Brown		Slightly Turbid		
S11	01/05/23	1222	900	100	500	None	None	None	None	Green		Clear		
S12	01/05/23	1215	200	<100	<100	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 Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 1054
 Weather: Overcast
 COMMENTS: Duplicate at S-12

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S3	01/11/23	0740	20	10	26	None	None	None	None	Blue	56	Clear		
S4	01/11/23	0955	190	30	100	None	None	None	None	Blue		Clear		
S5	01/11/23	0945	110	30	48	None	None	None	None	Blue		Clear		
S6	01/11/23	0924	190	40	122	None	None	None	None	Green		Clear		
WEST	01/11/23	0921	290	30	170	None	None	None	None	Green		Clear	Flowing	
S7	01/11/23	0915	130	50	100	None	None	None	None	Green		Clear		
S8	01/11/23	0854	260	40	490	None	None	None	None	Green		Slightly Turbid		
S9	01/11/23	0850	280	80	500	None	None	None	None	Green		Slightly Turbid		
ACM1	01/11/23	0821	6500	3800	>2000	None	None	None	None	Brown		Turbid	Flowing	
S10	01/11/23	0816	50	<10	34	None	None	None	None	Green		Slightly Turbid		
S11	01/11/23	0812	60	<10	8	None	None	None	None	Blue		Clear		
S12	01/11/23	0805	30	20	14	None	None	None	None	Blue		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 1226
 Weather: Partly Cloudy
 COMMENTS: Duplicate at S-5

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	01/17/23	0830	110	40	26	None	None	None	None	Brown		Slightly Turbid		
S4	01/17/23	1040	120	10	34	None	None	None	None	Green		Clear		
S5	01/17/23	1020	100	20	28	None	None	None	None	Green	56	Slightly Turbid		
S6	01/17/23	0949	400	<100	<100	None	None	None	None	Green		Clear		
WEST	01/17/23	0954	300	<100	<100	None	None	None	None	Green		Slightly Turbid	Flowing	
S7	01/17/23	1000	300	<100	<100	None	None	None	None	Green		Clear		
S8	01/17/23	0936	200	20	70	None	None	None	None	Green		Slightly Turbid		
S9	01/17/23	0933	2000	300	600	None	None	None	None	Green		Slightly Turbid		
ACM1	01/17/23	0917	3700	300	700	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	01/17/23	0911	200	<100	<100	None	None	None	None	Green		Slightly Turbid		
S11	01/17/23	0908	40	<10	14	None	None	None	None	Green		Clear		
S12	01/17/23	0901	70	20	8	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 Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 1108

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	01/25/23	0805	10	<10	<2	None	None	None	None	Green	56	Clear		
S4	01/25/23	1030	10	10	<2	None	None	None	None	Green		Clear		
S5	01/25/23	1010	10	<10	<2	None	None	None	None	Green		Clear		
S6	01/25/23	0955	<10	<10	2	None	None	None	None	Green		Clear		
WEST	01/25/23	0950	20	<10	<2	None	None	None	None	Green		Clear		
S7	01/25/23	0945	30	<10	4	None	None	None	None	Green		Clear		
S8	01/25/23	0935	20	<10	20	None	None	None	None	Blue		Clear		
S9	01/25/23	0920	10	10	4	None	None	None	None	Green		Clear		
ACM1	01/25/23	0915	10	<10	2	None	None	None	None	Green		Slightly Turbid		
S10	01/25/23	0850	10	<10	<2	None	None	None	None	Green		Clear		
S11	01/25/23	0835	240	<10	2	None	None	None	None	Green		Clear		
S12	01/25/23	0825	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: January 2023

REPORT DUE: March 1, 2023

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: High Tide 1119

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	01/12/23	6	16	<2	0807	0	0	
A-1	Mid depth	01/12/23	<10	<10	<10				
A-2	Surface	01/12/23	2	4	<2	0755	0	0	
A-2	Mid depth	01/12/23	<10	<10	<10				
A-3	Surface	01/12/23	6	2	<2	0800	0	0	
A-3	Mid depth	01/12/23	<10	<10	<10				
A-4	Surface	01/12/23	4	<2	2	0810	0	0	
A-4	Mid depth	01/12/23	<10	<10	<10				
A-5	Surface	01/12/23	20	<2	38	0802	0	0	
A-5	Mid depth	01/12/23	<10	<10	<10				
B-1	Surface	01/12/23	4	2	4	0747	0	0	
B-1	Mid depth	01/12/23	<10	<10	<10				
B-2	Surface	01/12/23	34	20	4	0814	0	0	
B-2	Mid depth	01/12/23	<10	20	<10				
N1	Surface	01/12/23	28	4	6	0831	0	0	
N2	Surface	01/12/23	22	10	16	0830	0	0	
N3	Surface	01/12/23	40	8	14	0829	0	0	
N4	Surface	01/12/23	66	20	24	0828	0	0	
N5	Surface	01/12/23	60	10	12	0827	0	0	
N6	Surface	01/12/23	52	6	6	0826	0	0	
N7	Surface	01/12/23	12	10	2	0824	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
		No violations during this monitoring period.					



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

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

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

January 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
01/01/23	9.320	11.8	25.0	0.2	4.117				0.000				0.410				0.000	0.178	14.310	0.52
01/02/23	7.880	7.7	8.7	0.1	3.212	5.8	10.0	<0.1	0.000				0.661	5.8	5.5	<0.1	0.000	0.176	12.260	0.01
01/03/23	7.740	25.1	16.3	<0.1	3.272	4.6	8.0	<0.1	0.000				1.045	10.4	7.2	<0.1	0.000	0.170	12.070	0.29
01/04/23	8.180			<0.1	3.464	4.3	6.0	<0.1	0.012	2.5	1.6	0.4	0.559	10.2	8.8	<0.1	0.000	0.184	13.060	0.12
01/05/23	7.950	10.1	6.3	0.5	4.035	4.4	7.0	<0.1	0.000				0.526	9.2	7.8	<0.1	0.000	0.180	12.390	0.91
01/06/23	9.490	10.7	11.7	0.1	3.718	6.6	6.0	<0.1	0.000				0.750	7.6	7.1	<0.1	0.000	0.179	14.400	0.00
01/07/23	7.750	11.4	7.8		3.502		6.0		0.000				0.402				0.000	0.179	12.550	0.00
01/08/23	7.450	11.7	9.8	<0.1	3.662				0.000				0.632				0.000	0.179	11.510	0.00
01/09/23	7.370	11.0	8.4	<0.1	3.443	4.4	8.0	<0.1	0.000				0.470	6.6	5.4	<0.1	0.000	0.179	11.820	0.05
01/10/23	7.740	12.2	8.4	<0.1	3.668	4.2	8.0	<0.1	0.000				1.445	6.4	6.2	<0.1	0.000	0.179	11.700	1.12
01/11/23	8.950	10.8	7.0	<0.1	4.349	3.8	5.0	<0.1	0.017	1.5	1.8	0.1	0.516	6.6	6.0	<0.1	0.000	0.184	15.140	0.02
01/12/23	7.910	14.2	10.0	<0.1	3.516	5.1	5.0	<0.1	0.000				0.792	13.0	11.0	<0.1	0.000	0.179	12.660	0.00
01/13/23	7.540	15.4	11.3	<0.1	3.319	5.3	5.0	<0.1	0.000				0.307	7.8	6.6	<0.1	0.000	0.183	12.130	0.00
01/14/23	7.020				2.965		10.0		0.758	1.7	7.4	<0.1	1.060				0.000	0.181	11.110	1.89
01/15/23	12.200	14.8	19.6	0.1	5.509				0.465	15.1	6.6	<0.1	2.483				0.000	0.176	19.760	0.64
01/16/23	11.810	12.6	8.3	<0.1	4.998	4.8	6.0	0.1	1.239	5.4	8.3	<0.1	1.388	10.0	7.0	<0.1	0.000	0.184	19.820	0.55
01/17/23	10.630	10.8	6.3	0.1	4.576				0.004	6.4	7.0	0.1	0.675	8.6	7.6	<0.1	0.000	0.180	19.490	0.03
01/18/23	8.530	7.7	6.0	<0.1	4.182	5.3	5.0	<0.1	0.000				0.884	8.2	7.7	<0.1	0.000	0.178	13.270	0.00
01/19/23	7.710	8.9	6.3	<0.1	3.677	4.6	5.0	<0.1	0.002	2.0	2.7	<0.1	0.671	7.0	6.4	<0.1	0.000	0.184	12.760	0.06
01/20/23	7.710	9.9	6.7	<0.1	3.713	5.4	5.0	<0.1	0.000				0.618	7.2	6.6	<0.1	0.000	0.178	12.300	0.00
01/21/23	7.310	10.3	7.4		3.123	6.2	6.0	<0.1	0.000				0.454				0.000	0.179	12.090	0.00
01/22/23	7.200	13.6	10.0	<0.1	3.338				0.000				0.940				0.000	0.177	11.870	0.00
01/23/23	7.570	18.0	11.0	0.1	3.494	7.6	7.0	<0.1	0.000				1.596	7.2	5.4	<0.1	0.000	0.199	12.400	0.00
01/24/23	8.540	19.8	8.7	<0.1	3.160	6.8	10.0	<0.1	0.000				1.245	8.4	6.2	<0.1	0.000	0.194	14.260	0.00
01/25/23	8.220	12.0	6.3	0.1	3.676	7.2	7.0	<0.1	0.052	2.2	1.8	<0.1	1.039	7.6	6.6	<0.1	0.000	0.195	13.890	0.00
01/26/23	7.900	8.6	7.0	<0.1	3.519	6.1	8.0	<0.1	0.000				1.340	7.6	7.2	<0.1	0.000	0.196	12.960	0.00
01/27/23	6.820	9.6	8.0	<0.1	3.625	5.4	5.0	<0.1	0.000				1.769	12.0	10.4	<0.1	0.000	0.200	12.130	0.00
01/28/23	6.590	9.5	6.7		2.971		8.0		0.000				1.878				0.000	0.196	12.020	0.00
01/29/23	6.760	10.7	11.1	<0.1	3.108				0.000				2.189				0.000	0.191	12.260	0.03
01/30/23	7.150	10.1	11.3	<0.1	3.251	10.8	10.0	<0.1	0.000				2.386	9.2	7.0	<0.1	0.000	0.090	12.870	0.64
01/31/23	7.630	10.1	10.7	<0.1	3.326	7.1	7.0	<0.1	0.000				1.871	11.6	9.2	<0.1	0.000	No Flow	13.220	0.00
AVG	8.147	12.0	9.7	<0.1	3.661	5.7	6.9	<0.1	0.082	4.6	4.7	<0.1	1.065	8.6	7.2	<0.1	0.000	0.174	13.370	
TOTAL	252.570				113.488				2.549				33.001				0.000	5.407	414.480	6.88

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 0610

Weather: Drizzle

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	
S0	01/03/23	0842	140	60	98	None	None	None	None	Green		Clear		
S1	01/03/23	0848	100	20	76	None	None	None	None	Green		Clear		
S2	01/03/23	0935	1,100	220	780	None	None	None	None	Green		Slightly Turbid		
DSB5	01/03/23	0928	11,400	7,400	4,880	None	None	None	None	Green		Slightly Turbid	Flowing	
S3	01/03/23	0807	140	40	88	None	None	None	None	Green		Slightly Turbid		
DSB4	01/03/23	0810	120	40	68	None	None	None	None	Green	58	Slightly Turbid		
S5	01/03/23	0821	100	20	54	None	None	None	None	Green		Slightly Turbid		
DSB1	01/03/23	0825	80	<20	82	None	None	None	None	Green		Clear		
SJC1	01/03/23	0902	3,800	1,100	1,200	None	None	None	None	Brown		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: January 2023
 REPORT DUE: March 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 1011
 Weather: Drizzle
 COMMENTS: Duplicate at S-5

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	01/10/23	0851	5700	2800	5700	None	None	None	None	Brown		Slightly Turbid		
S1	01/10/23	0856	1400	600	800	None	None	None	None	Brown		Slightly Turbid		
S2	01/10/23	0827	4700	2600	5800	None	None	None	None	Brown		Turbid		
DSB5	01/10/23	0820	18000	2000	9000	None	None	None	None	Brown		Turbid	Flowing	
S3	01/10/23	0904	400	<100	400	None	None	None	None	Brown		Slightly Turbid		
DSB4	01/10/23	0907	800	100	700	None	None	None	None	Brown		Slightly Turbid		
S5	01/10/23	0922	800	1000	500	None	None	None	None	Brown	54	Slightly Turbid		
DSB1	01/10/23	0916	800	100	400	None	None	None	None	Brown		Slightly Turbid	Flowing	
SJC1	01/10/23	0834	19000	2700	11000	None	None	None	None	Brown		Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 1131
 Weather: Drizzle
 COMMENTS: Duplicate at S-5

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	01/16/23	0916	5000	2500	8300	None	None	None	None	Brown		Turbid		
S1	01/16/23	0919	3000	6000	12000	None	None	None	None	Brown		Turbid		
S2	01/16/23	0846	5000	6000	16000	None	None	None	None	Brown		Turbid		
DSB5	01/16/23	0839	>1000	8000	10000	None	None	None	None	Brown		Turbid	Flowing	
S3	01/16/23	0825	>1000	2000	360	None	None	None	None	Brown		Turbid		
DSB4	01/16/23	0928	>1000	1700	430	None	None	None	None	Brown		Turbid		
S5	01/16/23	0945	1000	400	1900	None	None	None	None	Brown	59	Slightly Turbid		
DSB1	01/16/23	0939	>1000	900	3000	None	None	None	None	Brown		Slightly Turbid	Flowing	
SJC1	01/16/23	0853	<1000	3000	11000	None	None	None	None	Brown		Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: January 2023
 REPORT DUE: March 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 1015

Weather: Clear

COMMENTS: Large amounts of kelp (drifts) present at DSB5z

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	
S0	01/24/23	820	20	20	10	None	None	None	None	Green		Slightly Turbid		
S1	01/24/23	832	40	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	01/24/23	917	140	40	28	None	None	None	None	Green		Slightly Turbid		
DSB5	01/24/23	924	1200	120	200	None	None	None	None	Brown		Slightly Turbid	Flowing	
S3	01/24/23	856	40	<20	2	None	None	None	None	Green		Clear		
DSB4	01/24/23	851	40	<20	2	None	None	None	None	Blue		Clear		
S5	01/24/23	0838	40	<20	<2	None	None	None	None	Blue		Clear		
DSB1	01/24/23	843	20	<20	4	None	None	None	None	Blue		Clear		
SJC1	01/24/23	907	1000	100	50	None	None	None	None	Brown	58	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: January 2023
 REPORT DUE: March 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 1208

Weather: Drizzle

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	01/30/23	1004	880	60	100	None	None	None	None	Green		Slightly Turbid		
S1	01/30/23	1000	5000	580	960	None	None	None	None	Green		Slightly Turbid		
S2	01/30/23	0940	80	20	30	None	None	None	None	Green		Clear		
DSB5	01/30/23	0933	9600	1600	>1000	None	None	None	None	Brown		Slightly Turbid	Flowing	
S3	01/30/23	1008	280	20	28	None	None	None	None	Blue		Clear		
DSB4	01/30/23	1009	200	<20	28	None	None	None	None	Blue		Clear		
S5	01/30/23	1016	80	<20	20	None	None	None	None	Blue	53	Clear		
DSB1	01/30/23	1018	<20	<20	20	None	None	None	None	Blue		Clear		
SJC1	01/30/23	0952	12000	5600	2100	None	None	None	None	Brown		Turbid	Flowing	

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



San Juan Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

REPORT FOR: January 2023

REPORT FREQUENCY: Monthly

REPORT DUE: March 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 1119; Plume between sites A1-A2

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	01/12/23	<2	2	<2	0929	0	0	0 - None
A-1	Mid depth	01/12/23	20	<10	<10				1 - Mild
A-2	Surface	01/12/23	<2	2	<2	0933	0	0	2 - Moderate
A-2	Mid depth	01/12/23	<10	<10	<10				3 - Severe
A-3	Surface	01/12/23	<2	2	<2	0936	0	0	
A-3	Mid depth	01/12/23	<10	<10	<10				
A-4	Surface	01/12/23	6	10	6	0943	0	0	
A-4	Mid depth	01/12/23	<10	10	10				
A-5	Surface	01/12/23	<2	34	<2	0939	0	0	
A-5	Mid depth	01/12/23	<10	10	<10				
B-1	Surface	01/12/23	10	2	6	0925	0	0	
B-1	Mid depth	01/12/23	<10	<10	<10				
B-2	Surface	01/12/23	16	6	4	0949	0	0	
B-2	Mid depth	01/12/23	90	10	<10				
N1	Surface	01/12/23	56	6	10	0919	0	0	
N2	Surface	01/12/23	4	2	16	0914	0	0	
N3	Surface	01/12/23	42	4	10	0910	0	0	
N4	Surface	01/12/23	10	8	4	0905	0	0	
N5	Surface	01/12/23	<2	2	2	0903	0	0	
N6	Surface	01/12/23	2	4	<2	0901	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
No monitoring violations during this period.							

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

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

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
TCWD - RRWRP	1/3/2023	TDS	12 month	mg/L	1000	1078	
SOCWA - RTP	1/9/2023	TDS	12-Month	mg/L	1000	1274	
SOCWA - RTP	1/9/2023	TDS	Daily Maximum	mg/L	1100	1230	
SOCWA - RTP	1/9/2023	Manganese	12-Month	mg/L	0.05	0.100	
SOCWA - CTP	1/9/2023	Manganese	12-Month	mg/L	0.05	0.130	
MNWD - 3A	1/9/2023	TDS	12-Month	mg/L	1000	1169	
MNWD - 3A	1/9/2023	TDS	Daily Maximum	mg/L	1100	1230	
MNWD - 3A	1/9/2023	Manganese	12-Month	mg/L	0.05	0.08	

Recycled Water Report

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

Agency	Facility or Region	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Jul '23	Aug '23	Sep '23	Oct '23	Nov '23	Dec '23	Annual Totals
CSJC 1	3-A Plant/MNWD	.00												.00
CSJC 2	Chiquita/SMWD	.29												.29
CSJC 3	Non-Domestic Well	10.40												10.40
ETWD	Region 8	16.43												16.43
IRWD														
4	IRWD - 8	NR												
4	IRWD - 9	NR												
SCWD	SOCWA CTP	5.64												5.64
MNWD	JRP	174.19												174.19
	3-A Plant	130.46												130.46
5	CTP	1.07												1.07
SMWD	Oso Creek	Offline												
	Chiquita	546.20												Offline
	Nichols	1.50												1.50
TCWD	RRWRP	56.19												56.19
TOTALS		942.40												942.40

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

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jan 31, 2023

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average ***
TDS	mg/L	1000	1078.00	-	946.00	827.00	1169.00	1274.00	1178.00
Chloride	mg/L	375	247.00	-	215.00	224.00	228.00	262.00	314.00
Sulfate	mg/L	400	391.00	-	282.00	232.00	389.00	371.00	368.00
Sodium	mg/L	None	57.00	-	160.00	170.00		175.00	195.00
Alkalinity	mg/L	None	-	-	-	-		287.00	228.00
Adjusted SAR	Ratio	None	5.06	-	5.18	5.24	4.08	4.55	4.73
Iron	mg/L	0.3	.01	-	.12	.02	.15	.26	.15
Manganese	mg/L	0.05	.01	-	.04	.01	0.08	.10	.13
MBAS	mg/L	0.5	ND	-	<0.05	<0.1	<0.04	<0.03	<0.03
Boron	mg/L	0.75	.32	-	.29	.27	.36	.26	.35
Fluoride	mg/L	None	.67	-	.73	1.05	.76	.76	.93
Total Organic Carbon	mg/L	None	5.30	13.80	12.80	8.30	1.50	10.40	7.80

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

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

Pretreatment Report

Agenda Item

5.A.

Legal Counsel Review: No

Meeting Date: March 2, 2023

TO: SOCWA Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

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

Summary of Program Activities

SOCWA Staff completed the 2022 annual pretreatment report. Staff received and reviewed 2022 annual influent/effluent sampling result data for eight treatment plants including SOCWA (JBL, CTP, RTP), SMWD (Chiquita), MNWD (3A), CSC, IRWD and ETWD. The data was entered into the HACH Water Information Management Solution (WIMS) database and uploaded electronically to the California Integrated Water Quality System (CIWQS) database. This is the first annual pretreatment report under the new NPDES Permits, Order Nos. R9-2022-0005 and R9-2022-0006, which required sampling and reporting for a handful of new constituents. SOCWA Staff added the new constituents to its WIMS database and updated the programmed method detection limits (MDLs) for more accurate reporting. Staff also completed the narrative portion of the 2022 SOCWA Annual Pretreatment report which included one new required section related to a description of SOCWA's Diversion Program. All final reports were submitted to the RWQCB-SD by the due, March 1, 2023. Copies were distributed to key Member agency (MA) Staff at the end of February.

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:

CSC/SMWD – Prima Deshecha Landfill (PDL) – On February 14, 2022, SOCWA received a WD Permit Application submitted on behalf of Orange County Waste & Recycling (OCWR) for proposed discharge from a treatment system for landfill gas condensate stream produced at PDL. A final project treatment design was submitted to SOCWA on October 11, 2022. Staff presented a summary report to the SOCWA Engineering Committee during the November 10, 2022, meeting. Santa Margarita Water District (SMWD) and City of San Clemente (CSC) requested technical and engineering reports associated with this permit request. Staff is working to set up a meeting between the applicant, SMWD, CSC and SOCWA key Staff to further discuss pilot study results and regulatory concerns.

SCWD – NSWD Permit No. SCWD-N4-010 for Three Arch Bay – Staff is working with SCWD and Three Arch Bay Staff to modify the existing NSWD Permit to add two new dry weather diversion connection points. SCWD is presently drafting an Amendment to the existing Agreement between SCWD and Three Arch Bay. Staff is aiming to complete this task by April 1, 2023.

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. SOCWA and SCWD Staff met on-site with project contractor Staff from Snyder Langston and Rain for Rent on January 10, 2023, to evaluate the monitoring well sample locations and discuss the proposed plan for discharge to the sewer. In response to SOCWA's request, the applicant submitted additional monitoring data on January 31, 2023. And, on February 8, 2023, SOCWA met in-person with the applicant and contracted Staff to discuss alternative discharge options such as direct discharge and the risks associated with both sewer and direct discharge to the harbor. Additionally, 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. SOCWA staff brought the follow-up study to the PC2 Committee on February 21, 2023.

SMWD – Applied Medical - 22432 Empresa, Rancho Santa Margarita, CA (Bldg R110) - At the request of SOCWA, Applied Medical submitted a permit application on January 9, 2023, for a new process and equipment used for expansion of high friction polyolefin tubing potentially subject to 40 CFR Part 463 – Plastics Molding and Forming Point Source Category, Subpart A – Contact Cooling. There are no pretreatment standards for this category. However, the December 5, 2022, EPA Memo addressing PFAS dischargers lists the category as a known discharge of PFAS and recommends PFAS pollution prevention and source reduction through permit prescribed BMPs and requirements and quarterly monitoring for 40 PFAS parameters. Staff is evaluating the EPA recommendations and best options for regulating the discharge.

IRWD – Permit No. IRWD-1NS-001-03-23 – Applied Medical's facility located at 20162 Windrow Drive, Lake Forest, CA 92630 – The current WD Permit for the Applied Medical site is set to expire on March 19, 2023. Staff provided a renewal application on January 6, 2023, and inspected the site on February 22, 2023. Staff expects to issue a renewal permit by March 20, 2023.

Trainings and Committee Meetings Attended

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

On February 1, 2023, Staff attended an in-house training on the use of personal gas meters.

Inspections

SMWD – On February 22, 2023, Staff met with Applied Medical at its 22432 Empresa location in RSM to discuss and review its plastic molding and forming processes as it relates to present and future PFAS regulations.

IRWD – On February 22, 2023, Staff inspected the Applied Medical facility located at 20162 Windrow Drive in Lake Forest as a pre-permit renewal inspection and to evaluate the plastic molding and forming processes as they relate to present and future PFAS regulations.

Summary of IWS Activities in SOCWA’s Service Area - YTD through February 15, 2023

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	110	15	0	0	143
CSC (S)	0	10	35	18	181	1265	37	1	0	1546
CSJC (S)	11	2	27	59	137	1674	28	7	0	1927
ETWD (M)	0	3	88	0	262	131	50	0	0	487
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	0	4	51	21	63	914	18	0	0	1071
MNWD (S)	10	5	120	38	642	2121	149	0	0	3075
SMWD (S)	6	6	19	20	215	820	52	0	0	1132
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	29	45	387	168	1663	7254	366	8	0	9834

(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

4.B.

Board of Directors Meeting

Meeting Date: March 2, 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 (*February*)

The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages. The forecast has been updated to reflect the outlook for the remainder of the fiscal year.

Below are updates for the months of December 2022 and January 2023 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:

The project is nearing completion. The new boiler is now in service, the old boiler was removed, the DAFT's are complete, and the old laboratory building was demolished. The project is in the final stages and the contractor is scheduled to demobilize over the next month.



Old Boiler Removed from Digester Control Building



Old Laboratory Before and After Demolition

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. Weeds are being removed that could hinder native plant growth. Staff has begun working with an environmental consultant, Dudek, on the planning of the mitigation work that is required by project permits.

The rain events in late December and early January resulted in significant mud flows where the hillside was burned during the Coastal fire, near the Coastal Treatment Plant. Staff is assessing any damage to the road and the hydroseed.

Beyond the burn area, the rain provided much needed water for the rest of the hydroseed. Native vegetation is beginning to establish within the site. Native cover is established by germination of seeds in the natural seed bank and the resprouting of shrubs that were previously cut to grade. Some species may have germinated from the hydroseed mix, including western ragweed (*Ambrosia psilostachya*) and California sagebrush (*Artemisia californica*).



Mud Covering the East Access Trail near CTP



Vegetation Growth Along the East Access Trail

SOCWA CIP Workplan

Project Number	Project Name	Revised FY 23 Spending Forecast	Status	FY 2022/2023				FY 2023/2024			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant											
3220/32212L	Facility Improvements B	\$ 2,574,581	Construction nearing completion	C	C	C					
3215/3252/ 32231L	Electrical System Upgrades	\$ 250,000	Design underway	D	D	D	D	B&A	C	C	C
3222/3234	Centrate Piping Reconstruction	\$ 112,074	Design underway	D	D	D	D	B&A	C	C	
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehab	\$ 100,000						D	D	B&A	C
32226L/32235L/ 3253	Effluent Pump Station Upgrades	\$ 158,750					D	D	B&A	C	C
32232C	Administration Building Roof Reconstruction	\$ 100,000				B&A	C	C			
32233S	Scum Line Replacement	\$ 25,000					D	B&A	C		
32231C	Process Water Repiping	\$ 50,000					P	P	P	D	D
3216/32225S	Energy Building Upgrades	\$ 125,000				P	D	D	B&A	C	C
PC 5 - San Juan Creek Ocean Outfall											
36221O	Surge System Air Valve Replacement	\$ 39,064	Coordinating with Ops					P	C	C	
PC 15 - Coastal Treatment Plant											
3541-000	Export Sludge System Construction (2020)	\$ -	Pipe complete and mitigation work ongoing	ENV	ENV	ENV	ENV	ENV	ENV	ENV	ENV
35228L	Aeration System Upgrades	\$ 50,000	Diffusers purchased and design underway	D	D	D	B&A	C	C	C	C
3525	Personnel Building Reconstruction	\$ 308,632	Design underway	D	D	D	B&A	C	C	C	
35221L	Auxiliary Blower Building Roof	\$ 50,000						B&A	C	C	
3522AL	Drainage Pump Station	\$ 125,000	Proposal received				D	D	D	B&A	C
35238L	Odor Control Scrubber/Foul Air System Reconstruction	\$ 100,000				P	P	P	D	D	B&A
35238L	Relocate Influent Flow Meters	\$ 25,000	Work completed by Ops			C					
35239L	West Secondary Scum Skimmers	\$ 50,000				P	D	B&A	C		
PC 17 - Regional Treatment Plant											
3722AL/C/S	MCC A, C, G, H Replacement	\$ 107,156	Design underway	D	D	D	D	D	D	D	D
3758/3759	AWT No.2 Reconstruction (2020)	\$ -	MNWD to manage construction	D	D	D					
47224C	Consequence of Failure Analysis	\$ 75,000	Study underway	P	P	P	P				
3742	Aeration System Upgrades	\$ 52,000					P	P	P		

SOCWA CIP Workplan

Project Number	Project Name	Revised FY 23 Spending Forecast	Status	FY 2022/2023				FY 2023/2024			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 21 - Effluent Transmission Main											
3107 (B/C/D)/ 3108 (E)	Air Valve Replacement Construction (D) (2021)	\$ 200,000	Design underway	D	D	D	D	B&A	C	C	
3101/31221B	Trail Bridge Crossing (D)	\$ -	Planning/design underway	P	P	P	P	P			
PC 24 - Aliso Creek Ocean Outfall											
3480	Internal Seal Replacement	\$ 60,100	Design underway	D	D	D	B&A	C	C	C	

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

Agenda Item

4.C.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors

FROM: David Baranowski, Director of Engineering

SUBJECT: Capital Improvement Construction Projects Progress and Change Order Report (February) [Project Committee Nos. 2, 15 & 17]

Overview

Active Construction Project Updates:

Attached are the updated CIP reports. Please note that there are two new change orders for Olsson Construction for PC 2 JB Latham Package B project totaling \$32,571.89.

As authorized by the Project Committee 2 Board on March 10, 2022, the Engineering Committee authorized the General Manager to issue payments within contingency amounts for the following Package B Change Orders with Olsson Construction:

- Change Order 70 for \$3,046.43, including 0 additional day(s)
- Change Order 71 for \$29,525.46, including 0 additional day(s)

The total of the Change Orders is \$32,571.89, and the revised contract value is \$18,616,036.38 for the J.B. Latham Package B Project.

Recommended Action: Staff recommend that the Board of Directors receive and file the report as an information item.

Agenda Item

4.D.

Legal Counsel Review: N/A

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Amber Baylor, Director of Environmental Compliance
SUBJECT: Flows and Solids Loadings for FY 2023-24 Budget Preparation

Summary

The solids and flows methodology used by SOCWA to allocate costs for the upcoming FY 2023-24 Budget are presented below. The Engineering Committee also reviewed the proposed flows and solids at their February 9, 2023, meeting.

The flows and solids SOCWA used for the upcoming fiscal year are the actual flows and solids from the previous calendar year. Thus, the flows and solids presented below are from Calendar Year 2022 (January through December). SOCWA staff also met with Santa Margarita Water District and Moulton Niguel Water District staff to review the methodology used for splitting their comingled flows and solids in the Oso-Trabuco trunkline. The agencies directed SOCWA staff to continue to use the existing approved method for determining their flows and solids in the Oso-Trabuco trunkline.

Results

Tables 1 through 5 provide the flows and solids summaries for each SOCWA Project Committee (PC). Please note that all PC5 and PC24 costs are allocated based on each agency's ownership percentages in the PC's; therefore, the 2022 Calendar Year flows are not presented below for PC5 and PC24.

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PC2 - JB Latham Plant			
Liquids Summary (mgd)			
Member	2022 Total	2022 Total Sum Billing Flow (mgd)	Total Percent
Agency/Trunkline	Avg. Flow (mgd)		To Date
San Juan Trunkline	2.108		
MNWD ⁽¹⁾	Constant	1.400	18.26 %
SCWD	1.598	1.598	20.85 %
Oso-Trabuco Trunkline/ SMWD ⁽¹⁾⁽²⁾	3.96	4.667	60.89 %
	7.665	7.665	100.00 %
Solids Summary Loading (mgd)			
Member	Total Avg. Loadings	Total Avg. Loadings	Total Percent
Agency/Trunkline	2022	Billing Loading	To Date
San Juan Trunkline	6202.26		
MNWD ⁽¹⁾⁽³⁾	Constant	5183.25	17.12 %
SCWD	5692.98	5692.98	18.80 %
SMWD ⁽²⁾	18383.53	19402.54	64.08 %
	30278.77	30278.77	100.00 %
<small>(1) Please refer to the MNWD & SMWD Agreement from 2018 for flow/solids splitting in the Oso-Trabuco line.</small>			
<small>(2) SMWD billing flow Includes flow from San Juan Creek trunkline flow plus Oso Trabuco flow split minus the 1.4mgd flow constant from MNWD</small>			
<small>(3) Loadings are calculated from the influent to 3A as a contributor to the Oso-Trabuco line with the 1.4mgd constant flow rate.</small>			

Table 1: PC2 Liquids and Solids Summary Table

PC 12 Recycled Water		
Master Recycled Water Permit		
2022		
Member Agency	Region 9 Recycled Production (AF)	% RW Produced (2022)
MNWD	6553	43.97%
SCWD	965	6.47%
SMWD	6839	45.89%
TCWD	545	3.66%
Total	14902	100%

Table 2: PC12 Recycled Water Production Table

PC 15 Actual Flows 2022 Coastal Treatment Plant		
Member Agency	Plant Flows MGD	Plant Flow Percent
CLB	1.43	53.67%
EBS	.06	2.30%
SCWD	1.18	44.03%
MNWD	.00	0.00%
Total	2.67	100.00

Table 3: PC15 Liquids Summary Table

PC 17 Liquids Regional Treatment Plant FY 2022-2023				
Member Agency	Plant Flow (MGD)	Centrate Flow (MGD)	Total Flow (MGD)	Liquid Flow (%)
CLB	0.00	0.014800	.0148	0.2040%
EBS	0.00	0.000633	.0006	0.0087%
SCWD	0.00	0.012083	.0121	0.1665%
ETWD	0.00	0.018092	.0181	0.2494%
MNWD	7.14	0.067258	7.2096	99.3714%
Total	7.14	0.112867	7.26	100.00

PC 17 Solids Regional Treatment Plant FY 2022-2023		
Member Agency	#/Day	%
CLB	375.66	15.38%
EBS	16.14	0.66%
SCWD	307.60	12.59%
ETWD	14.27	0.58%
MNWD	1728.95	70.78%
Total	2442.62	100%

Tables 4 and 5: PC17 Liquids and Solids Summary Tables

SOCWA staff will move forward with preparing the FY2023-24 Budget with these values based on the review and discussion with the SOCWA Engineering Committee.

Recommended Action: Information Item.

Agenda Item

4.E.

Budgeted: Yes

Budget amount: \$22,496 (PC5),
\$22,496 (PC24)

Line Item: 05/24-5046-02

Legal Counsel Review: N/A

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Amber Baylor, Director of Environmental Compliance
SUBJECT: FY 2022-23 Sierra Analytical Increase Purchase Order Request

Summary

This agenda item is a request to increase an open Purchase Order with Sierra Labs due to increased NPDES permit required testing.

Discussion/Analysis

At the December 9, 2021, SOCWA Board meeting, the SOCWA Board authorized \$45,000 per FY with Sierra Analytical Services for laboratory and ocean monitoring testing services. However, on March 9, 2022, the San Diego Regional Water Quality Control Board approved new NPDES permits with additional monitoring frequencies for the first year of the new permits.

The additional laboratory expenses for FY2022-23 with Sierra Analytical Services will be \$35,000 above the approved \$45,000. Thus, the total contract with Sierra Analytical Services needed for FY2022-23 is \$80,000.

The breakdown of the testing for each permit is detailed below. Please note that a special study to correlate laboratory-determined TDS values with the online metering equipment was already completed on the SJCOO system; this was not required for the ACOO combined outfall.

SJCOO

- Chlorinated Phenol Compounds and TCDD Equivalents (NPDES Section 7.1.2.11) monitoring is required monthly instead of semi-annually.
- Various monthly parameters (NPDES Section 7.1.2.10) to study Ocean Acidification and Hypoxia were added.
- TDS/Conductivity conversion study of the wastewater at SJCOO (M-001) (completed)

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ACOO

- TCDD Equivalents (NPDES Section 7.1.2.8) monitoring is required monthly instead of semi-annually.
- Heptachlor (NPDES Section 7.1.2.7) monitoring is required quarterly instead of Semi-annually.
- Various monthly parameters (NPDES Section 7.1.2.12) to study Ocean Acidification and Hypoxia were added.

Fiscal Impact

The TCDD equivalents (EPA Method 1613B) analyzed by Sierra increase from \$3,600 to \$21,600 annually (\$900 per analysis), split evenly between the ACOO and SJCOO.

The Chlorinated Phenol Compounds (EPA Method 625) and Heptachlor (EPA Method 608) analyzed by Sierra added \$1,620 annually, split evenly between the ACOO and SJCOO except for the cost of Heptachlor, allocated to ACOO.

The ocean acidification research added parameters to be analyzed by Sierra added \$11,160 annually, split evenly between ACOO and SJCOO.

The TDS/Conductivity conversion study added \$2100, allocated to SJCOO.

The total increase in costs due to new permit conditions is \$32,850. There are \$17,450 allocated to SJCOO and \$15,350 allocated to ACOO based on fixed percentages, as demonstrated in the Tables below. A contract contingency of \$2,150 is also requested by SOCWA staff since these are all new testing requirements.

PC 5 Cost Increases		
Member Agency	Fixed Percent Ownership (%)	Cost Increase (\$)
City of San Clemente	16.6	\$2,904
Moulton Niguel Water District	15.5	\$2,713
Santa Margarita Water District (1)	55.4	\$9,695
South Coast Water District	12.5	\$2,188
Total	100	\$17,500
(1) Santa Margarita Water District includes 11.1% ownership of the City of San Juan Capistrano.		

PC 24 Cost Increases		
Member Agency	Fixed Percent Ownership (%)	Cost Increase (\$)
City of Laguna Beach	11.0	\$1,689
El Toro Water District	16.3	\$2,502
Emerald Bay Service District	0.8	\$122
Irvine Ranch Water District	15.8	\$2,425
Moulton Niguel Water District	43.8	\$6,723
South Coast Water District	12.3	\$1,889
Total	100	\$15,350

SOCWA staff plan to amend the PC5 and PC24 budgets at the May 2023 Board Meeting to account for these additional expenses.

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to increase the Sierra Analytical purchase order by \$35,000, to a total not to exceed \$80,000 for FY2022-23.

Agenda Item

4.F.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors

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

SUBJECT: Contract Award for Regional Treatment Plant (RTP) Cogen Engine SCR Blower Installation [Project Committee 17]

Summary

This agenda item provides a recommendation for the PC 17 Engineering Committee Members to recommend to the PC 17 Board to award the installation of the Stueler blower modification on the RTP Cogen selective catalytic reducer (SCR). Western Energy is the authorized representative for Stueler, the manufacturer of the SCR, in California. The quote from Western is \$45,450.23 plus tax, shipping, and fees to be determined at the time of shipping. Staff is requesting a \$5,000 contingency to cover unforeseen construction and installation conditions, such as the issues with the condition of the metal inside of the SCR housing system when it is cut open. The total costs will exceed \$50,000.

Discussion/Analysis

The SCR system was found to be too hot when operating. The final and successful solution was to remove sections of the insulating heat recovery water jacket. Unfortunately, this exposed metal is around 800 Fahrenheit and unsafe for employees maintaining the Cogen SCR. The removal of a portion of the heat recovery system also impacts the ability to recover sufficient heat on the coldest days of the year. This has led to the need to operate the supplemental boiler.

Top of SCR has no blanket and is open to atmosphere.



RTP Cogen SCR Ladder Out of Service Covered by Plywood

Western Energy is the only available vendor to SOCWA for this project.

Fiscal Impact

The project was budgeted as a large capital project (37232S-000) with a budget of \$100,000. This project is located in the solids area of RTP. Therefore, the costs will be allocated using the solids ownership allocations for RTP. Table 1 shows the cost allocation by member agency for the contract plus contingency.

Table 1 – Cost Allocation

Member Agency	Allocation
City of Laguna Beach	\$5,660.52
El Toro Water District	\$10,296.89
Emerald Bay Service District	\$297.66
Moulton Niguel Water District	\$29,674.83
South Coast Water District	\$4,520.34
Total	\$50,450.24

The actual shipping costs, fees, and tax will be added to the allocated costs using the solids ownership percentages shown above when the invoice is received.

Recommended Action: The Engineering Committee recommends that the PC 17 Board of Directors:

1. Award the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the RTP Cogen selective catalytic reducer (SCR); and
2. Establish a project contingency in the amount of \$5,000.

1/26/23

SOCWA RTP
Mike Matson

Dear Mike:

We are pleased to submit this proposal for your consideration. This proposal includes the scope of supply as in only section 3. All additional work, if any, has not been considered and is excluded from this proposal.

1. Project Name: RTP Exhaust cooler system
Address: 29201 La Paz Rd
City, State, Zip Code Laguna Niguel, CA 92677

2. Type Equipment:	Unit #	Model	Serial
	1	JMC 316	1162700

3. Definition of project: **The following proposal includes all parts, labor required to install an exhaust air injection system. All electrical work to be provided by customer and not included in this proposal. Any modifications required to be made to insulation as well are not considered.**

WES Technicians to perform the following:

Install Air injection system.

- Shut unit down and perform LOTO
- Remove soft insulation from exhaust
- Mount air injection system
- Install one way air valve
- Install open close valve
- Land all control wiring required
- Start up engine and tune system for optimal operation

Supervise contractor

- Work with fabricator to locate and install 2in threaded bung into exhaust system
- Work with contractor to install air injection piping and flex connection

4. Total Cost: **\$45,450.23**

5. Payment Terms: Payment terms to follow Terms outlined in the Master Service agreement

6. Delivery: DAP customers site, 29201 La Paz Rd, Laguna Niguel CA, Incoterms 2020.

7. Cancellation charges: Less than 15 days from signed proposal 20%.
16-30 days from signed proposal
30%. 31 days from order of shipment
70%. After shipment of parts 100%.

8. Delivery Time: Approximately 10 to 14 weeks after receipt of purchase order.

9. Validity of Proposal: This proposal is valid for (30) days from the date of this proposal.

Divisions of Penn Power Group

NES Main Office: 1 Pearl Buck Court, Bristol, PA 19007 (T) 267.878.0011 (F) 215.785.5500

WES Main Office: 499 Nibus Street, Unit B, Brea, CA 92821 (T) 714.529.9700 (F) 714.529.9701

Corporate Office: 8330 State Road, Philadelphia, PA 19136-2986 (T) 215.335.5010 (F) 215.335.2163



Gaseous Fueled Power Generation Systems
Co-Generation • Landfill • Biogas

10. Freight and Tax: Freight and Taxes are not included and will be added to final invoice

Kind Regards,

Noe Zepeda
Product Support Manager
Western Energy Systems

Terms and Conditions:

Those outlined within the Master Services Agreement between South Orange County water and Western Energy Systems apply to this proposal.

Customer Acceptance of Proposal:

Name:

Signature:

Date

Divisions of Penn Power Group

NES Main Office: 1 Pearl Buck Court, Bristol, PA 19007 (T) 267.878.0011 (F) 215.785.5500

WES Main Office: 499 Nibus Street, Unit B, Brea, CA 92821 (T) 714.529.9700 (F) 714.529.9701

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Agenda Item

4.G.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors

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

SUBJECT: Contract Award for J.B. Latham Treatment Plant (JBL) Cogen Engine SCR Blower Installation [Project Committee 2]

Summary

This agenda item provides a recommendation for the PC 2 Engineering Committee Members to recommend to the PC 2 Board to award the installation of the Stueler blower modification on the JBL Cogen selective catalytic reducer (SCR). Western Energy is the authorized representative for Stueler, the manufacturer of the SCR, in California. The quote from Western is \$45,450.23 plus tax, shipping, and fees to be determined at the time of shipping. Staff is requesting a \$5,000 contingency to cover unforeseen construction and installation conditions, such as the issues with the condition of the metal inside of the SCR housing system when it is cut open. The total costs will exceed \$50,000.

Discussion/Analysis

The SCR system was found to be too hot when operating. The final and successful solution was to remove sections of the insulating heat recovery water jacket. Unfortunately, this exposed metal is around 600 Fahrenheit and unsafe for employees maintaining the Cogen SCR. The removal of a portion of the heat recovery system also impacts the ability to recover sufficient heat on the coldest days of the year. This has led to the need to operate the supplemental boiler.



The JBL SCR has handrailing around the SCR to protect employees

Western Energy is the only available vendor to SOCWA for this project.

Fiscal Impact

The project was budgeted as a large capital project (32236S-000) with a budget of \$100,000. This project is located in the solids area of JBL. Therefore, the costs will be allocated using the solids ownership allocations for JBL. Table 1 shows the cost allocation by member agency for the contract plus contingency.

Table 1 – Cost Allocation

Member Agency	Allocation
Moulton Niguel Water District	\$10,908.16
Santa Margarita Water District	\$29,452.03
South Coast Water District	\$10,090.05
Total	\$50,450.24

The actual shipping costs, fees, and tax will be added to the allocated costs using the solids ownership percentages shown above when the invoice is received.

Recommended Action: The Engineering Committee recommends that the PC 2 Board of Directors:

1. Award the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the JBL Cogen selective catalytic reducer (SCR); and
2. Establish a project contingency in the amount of \$5,000.

1/31/23

SOCWA JBL
Mike Matson

Dear Mike:

We are pleased to submit this proposal for your consideration. This proposal includes the scope of supply as in only section 3. All additional work, if any, has not been considered and is excluded from this proposal.

1. Project Name: JBL Exhaust cooler system
Address: 34156 Del Obispo Street
City, State, Zip Code Dana Point, CA 92629

2. Type Equipment:	Unit #	Model	Serial
	1	JMC 312	1154456

3. Definition of project: **The following proposal includes all parts, labor required to install an exhaust air injection system. All electrical work to be provided by customer and not included in this proposal. Any modifications required to be made to insulation as well are not considered.**

WES Technicians to perform the following:

Install Air injection system.

- Shut unit down and perform LOTO
- Remove soft insulation from exhaust
- Mount air injection system
- Install one way air valve
- Install open close valve
- Land all control wiring required
- Start up engine and tune system for optimal operation

Supervise contractor

- Work with fabricator to locate and install 2in threaded bung into exhaust system
- Work with contractor to install air injection piping and flex connection

4. Total Cost: **\$45,450.23**

5. Payment Terms: Payment terms to follow Terms outlined in the Master Service agreement

6. Delivery: DAP customers site, 34156 Del Obispo St ,Dana Point CA, Incoterms 2020.

7. Cancelation charges: Less than 15 days from signed proposal 20%.
16-30 days from signed proposal
30%. 31 days from order of shipment
70%. After shipment of parts 100%.

8. Delivery Time: Approximately 10 to 14 weeks after receipt of purchase order.

9. Validity of Proposal: This proposal is valid for (30) days from the date of this proposal.

Divisions of Penn Power Group

NES Main Office: 1 Pearl Buck Court, Bristol, PA 19007 (T) 267.878.0011 (F) 215.785.5500

WES Main Office: 499 Nibus Street, Unit B, Brea, CA 92821 (T) 714.529.9700 (F) 714.529.9701

Corporate Office: 8330 State Road, Philadelphia, PA 19136-2986 (T) 215.335.5010 (F) 215.335.2163



Gaseous Fueled Power Generation Systems
Co-Generation • Landfill • Biogas

10. Freight and Tax: Freight and Taxes are not included and will be added to final invoice

Kind Regards,

Noe Zepeda
Product Support Manager
Western Energy Systems

Terms and Conditions:

Those outlined within the Master Services Agreement between South Orange County water and Western Energy Systems apply to this proposal.

Customer Acceptance of Proposal:

Name:

Signature:

Date

Divisions of Penn Power Group

NES Main Office: 1 Pearl Buck Court, Bristol, PA 19007 (T) 267.878.0011 (F) 215.785.5500

WES Main Office: 499 Nibus Street, Unit B, Brea, CA 92821 (T) 714.529.9700 (F) 714.529.9701

Corporate Office: 8330 State Road, Philadelphia, PA 19136-2986 (T) 215.335.5010 (F) 215.335.2163

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Agenda Item

4.H.

Budgeted: No
Budget amount: \$685,000 Small Cap
Line Item: 02-1580-00-02-00 (2223-003)
Legal Counsel Review: No
Meeting Date: March 2, 2023

TO: Board of Directors

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

STAFF CONTACT: Jeanette Cotinola, Procurement/Contracts Manager

SUBJECT: Replacement Wemco Grit Pumps [Project Committee 2]

Summary

This agenda item provides a recommendation for awarding a small capital project to purchase two replacement Wemco 3X3 Torque Flow Pumps for the 9-side at JBL. The total cost for the equipment is \$54,104.51 plus supplemental taxes, shipping, and fees.

Discussion/Analysis

SOCWA needs to replace the two (2) grit pumps that are at the end of their useful lives. The existing pumps were installed in 1978 and cannot be rehabilitated any further. The pump controls and electrical systems are in good condition and will remain. Flo-System's is the manufacturers authorized seller of Wemco 3X3 Torque Flow Pumps in California.

The photo below shows one of the pumps:



Thus, Flo-Systems Inc. is the only available vendor to SOCWA for purchasing the replacement pumps.

Fiscal Impact

This capital purchase is located in the liquids area of JBL. Therefore, the costs will be allocated using the liquids ownership allocations for JBL. The following are the cost allocations for the project:

PC2 Capital Liquids Ownership Allocation		
Agency	Budget Allocation %(1)	Vulcan Wash Press Cost
MNWD	23.08%	\$12,487.32
SCWD	28.84%	\$15,603.74
SMWD/CSJC	48.08%	\$26,013.45
Total	100.00%	\$54,104.51

The actual shipping costs, fees, and additional tax will be added to the allocated costs using the liquids ownership percentages shown above when the invoice is received.

Recommended Action: Staff recommends that the PC 2 Board of Directors authorize the General Manager to purchase two (2) replacement Wemco 3X3 Torque Pumps for the JB Latham Plant from Flo-Systems, Inc. at the cost of \$54,104.51, plus shipping costs, fees, and additional tax to be determined at the time the units are shipped.

Agenda Item

4.I.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

SUBJECT: Contract Award for J.B. Latham Treatment Plant (JBL) Administration Building Roof Reconstruction [Project Committee 2]

Overview

The existing Administration Building roof consists of asphalt shingle as part of the original building construction in 1994. The existing roof has come to the end of its useful life. The project scope consists of the following:

- Mobilization and demobilization.
- Obtaining City permit and schedule for inspection.
- Remove and dispose existing roofing and underlayment.
- Install new synthetic underlayment.
- Install new roof shingles.
- Paint all existing vents with rust preventative paint.
- Replace damaged wood, as needed.

Bids

SOCWA solicited bids from qualified contractors through Planetbids and met with potential bidders for a site walk. Three bids were received and are summarized below in Table 1.

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Table 1 – Summary of Bids

Reconstruction of the Administration Building Roof	A. Preman Roofing	ERC Roofing	BEST Contracting Services
Mobilization/Demobilization	\$2,000.00	\$13,250.00	\$12,013.00
Remove and dispose existing roofing and underlayment	\$20,000.00	\$53,230.00	\$69,230.00
Install new synthetic underlayment	\$3,000.00	\$16,000.00	\$16,896.00
Install new roof shingle	\$57,200.00	\$48,820.00	\$43,720.00
Paint all existing vents with rust preventive paint	\$500.00	\$1,200.00	\$7,370.00
All other items necessary to complete the work	11,195.00		\$32,140.00
Total Base Bid	\$93,985.00	\$132,500.00	\$181,369.00
Additional Wood Replacement Rates			
LF of 1"x8"	\$9.50	\$28.00	\$3.30
LF of 2"x8"	\$14.50	\$65.00	\$3.60
SF of Plywood	\$7.00	\$12.00	\$1.33

The condition of the roof members cannot be determined until the roofing system is removed. Staff anticipate some members will need to be repaired or replaced. The bids included a unit cost to replace various wood sizes. Staff have assumed 500 linear feet of each wood size and 1,100 SF of plywood for contingency.

Fiscal Impact

The cost allocation for the construction and contingency is shown in Table 2. Based on the rates in the bid and the assumed quantities of wood replacement, staff are requesting a contingency of \$19,700.

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Table 2 – Cost allocation by member agency

Agency	Construction	Contingency	Total
	32232C-000	32232C-000	32232C-000
Moulton Niguel Water District	\$21,004.96	\$4,402.81	\$25,407.77
Santa Margarita Water District	\$50,026.01	\$10,485.84	\$60,511.85
South Coast Water District	\$22,954.03	\$4,811.35	\$27,765.38
Total	\$93,985.00	\$19,700.00	\$113,685.00

Table 3 shows the project budget and contingency.

Table 3 – Available budget

32232C-000 Budget	Construction	Contingency	Remaining Budget
\$207,000.00	\$93,985.00	\$19,700.00	\$97,515.00

Recommended Action: The Engineering Committee recommends that the PC 2 Board of Directors award the contract to A. Preman Roofing in the amount of \$93,985.00 for the J.B. Latham Administration Building Roof Reconstruction Project with a contingency of \$19,700.00.

Agenda Item

4.J.

Budgeted: Yes
Budget amount: \$101,400
Line Item: PC2, 15 &17 Lines 5052
Meeting Date: March 2, 2023

TO: Board of Directors

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

STAFF CONTACT: Jeanette Cotinola, Procurement/Contracts Manager

SUBJECT: Contract Award to Crown Facility Solutions for Janitorial Services
[Project Committee Nos. 2, 15, and 17]

Summary

Staff recommends awarding a contract to Crown Facility Solutions for janitorial services.

Discussion/Analysis

SOCWA operates three wastewater treatment plants that require regular janitorial services to maintain a safe and healthy environment for the employees.

SOCWA staff issued RFP 23-001 on Planet Bids for companies to respond to SOCWA's request for janitorial services. The following are the milestones for the effort:

Issue RFP: January 31, 2023
Pre-Proposal Meeting: February 7, 2023 @ 8:30 AM
Deadline for Questions: February 15, 2023 @11:00 AM
Proposals Due: February 21, 2023 @ 11:00 AM

Questions and other documents, like the pre-proposal meeting agenda, sign-in sheet, and Q&A, were posted on Planet Bids for vendors to have equal access to the proposal information. Planet Bids listed 19 potential proposers. The result was that 10 Proposals were submitted for review and consideration.

Non-Compliant Proposals (Phase 1) Review Results

Six (6) of the ten (10) proposals were determined to be non-compliant. The primary reason for non-compliance was that vendors did not propose on all the necessary items needed by SOCWA as required in the RFP.

Proposal (Phase 2) Review Results

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The proposals were rated by SOCWA staff with a maximum score of 100. The result of the review are as follows:

Criteria/Vendor	CM Simple Janitorial	Crown Facility Solutions	Priority Building Services	Santa Fe Janitorial
Overall Company Qualifications (10 points max)	7.0	8.0	9.0	6.0
Pricing (20 points max)	0.0	5.0	17.3	10.7
Total (of 30)	7.0	13.0	26.3	16.7

The current vendor for janitorial services at SOCWA is Crown Facility Solutions, and they are in good standing with SOCWA.

The Proposals annual costs are summarized below:

Vendor	1-Year Cost
CM Simple Janitorial	\$151,042.68
Crown Facility Solutions	\$67,852.82
Priority Building Services	\$79,206.00
Santa Fe Janitorial	\$106,356.00

Post RFP Process Public Comments

No protests were received.

SOCWA staff recommends Crown Facility Solutions for janitorial services with the highest overall proposal rating.

Prior Related Project Committee or Board Action(s)

None

Fiscal Impact

None

Recommended Action: Staff recommends that the Board of Directors authorize the Acting General Manager to:

1. Award a contract to Crown Facility Solutions for two (2) years for a not to exceed the amount of \$135,705.64, and
2. Authorize the Acting General Manager approval authority for 3 optional annual renewals upon mutual agreement of both parties.

Agenda Item

4.K.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Resolution No. 2023-02: Resolution of the Board of Directors of The South Orange County Wastewater Authority Authorizing Investment of Monies In the Local Agency Investment Fund (LAIF)

Background

The Board of Directors is requested to review and update the signatories to its Local Agency Investment Fund (LAIF) accounts.

Advisory Committee Review

None

Prior Related Project Committee or Board Action(s)

Approval of Resolution No. 2014-20

Fiscal Impact

None

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 2023-02: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF).

Attachment (s)

Resolution No. 2023-02

RESOLUTION NO. 2023-02

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
AUTHORIZING INVESTMENT OF MONIES IN THE
LOCAL AGENCY INVESTMENT FUND**

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
34156 DEL OBISPO STREET
DANA POINT, CA 92629
TELEPHONE (949) 234-5400

WHEREAS, pursuant to Chapter 730 of the statutes of 1976 Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money for a local agency for purposes of investment by the State Treasurer; and

WHEREAS, the Board of Directors of the South Orange County Wastewater Authority does hereby find that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein is in the best interests of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA").

THEREFORE, BE IT RESOLVED, that the following SOUTH ORANGE COUNTY WASTEWATER AUTHORITY officers or their successors in office shall be authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund:

Authorized Representatives

James (Jim) Leslie Burror Jr _____

Mary Carey _____

THEREFORE, BE IT RESOLVED, that Resolution No. 2014-20 is hereby repealed in its entirety, effective March 2, 2023, and further that Resolution No. 2023-02 shall become effective March 2, 2023.

PASSED AND ADOPTED by the Board of Directors of the **SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 2nd day of March 2023.**

By: _____
Chairperson

(Seal)

By: _____
Assistant Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, DANITA HIRSH, Assistant Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true and correct copy of Resolution No. 2023-02 of said Board and that the same has not been amended or repealed.

Dated the 2nd day of March 2023.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

4.L.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Resolution No. 2023-03: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Establishment of Deposit Accounts with Bank of the West (A trade name used by BMO Harris Bank N.A.)

Background

The Board of Directors is requested to review and update the signatories to its bank accounts.

Advisory Committee Review

None

Prior Related Project Committee or Board Action(s)

Approval of Resolution No. 2013-03

Fiscal Impact

Once signature cards are complete, there will be some minor costs to acquire new signature plates. These costs will be covered by miscellaneous line items within the current budget

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 2023-03: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Establishment of Deposit Accounts with Bank of the West (A trade name used by BMO Harris Bank N.A.)

Attachment (s)

Resolution No. 2023-03

RESOLUTION NO. 2023-03

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AUTHORIZING
ESTABLISHMENT OF DEPOSIT ACCOUNTS WITH BANK OF THE WEST
(A trade name used by BMO Harris Bank N.A.)**

WHEREAS, the South Orange County Wastewater Authority desires to establish certain deposit accounts with the Bank of the West; and

WHEREAS, Bank of the West requires that SOCWA approve a Corporate Resolution authorizing said deposit accounts.

THEREFORE, BE IT RESOLVED, that the Board of Directors of the South Orange County Wastewater Authority does hereby RESOLVE, DETERMINE, AND ORDER as follows:

Section 1 That this organization establishes one or more deposit accounts with Bank of the West (“Bank”) and that the organization adopts for each account the Bank’s terms and conditions and recognizes that the Bank may add to, delete from, or otherwise amend those terms and conditions from time to time by notice.

Section 2 That the authorized representative(s) named below are each authorized to establish for this organization one or more deposit accounts now and additional accounts from time to time, to enter into funds transfer, cash management, and other service agreements related to this organization’s deposit accounts, to designate from time to time, persons in such number as may be directed, to operate each account or otherwise handle this organization’s funds and otherwise give instructions regarding this organization’s funds and accounts.

Authorized Representatives

James (Jim) Leslie Burror Jr

Mary Carey

Section 3 That the Authority conferred is in addition to any other, including conflicting authorizations, in effect and shall remain in force until Bank receives written notice of its revocation at the office where the account is maintained or at such other location as Bank may direct.

Section 4 Resolution No. 2013-03 is hereby repealed in its entirety, effective March 2, 2023.

Section 5 Resolution No. 2023-03 shall become effective March 2, 2023.

PASSED AND ADOPTED by the Board of Directors of the **SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 2nd day of March 2023.**

By: _____
Chairperson

(Seal)

By: _____

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, DANITA HIRSH, Assistant Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2023-03 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 2nd day of March 2023 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: March 2, 2023

Danita Hirsh Assistant Secretary

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, DANITA HIRSH, Assistant Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true and correct copy of Resolution No. 2023-03 of said Board and that the same has not been amended or repealed.

Dated the 2nd day of March 2023.

Danita Hirsh Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.A.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors

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

STAFF CONTACT: Dina Ash, Human Resources Administrator

SUBJECT: Resolution No. 2023-01: Commendation to Jose Navarro

Summary

Jose Navarro has been employed by SOCWA for 38+ years and retired on January 13, 2023. Resolution No. 2023-01 commends Mr. Navarro for his services to SOCWA.

Fiscal Impact

None

Recommended Action: Staff recommends that the Board of Directors adopt Resolution No. 2023-01, Commendation to Jose Navarro for Providing Dedicated Service to the South Orange County Wastewater Authority and the Residents of Southern Orange County for the Period of November 1982 to January 2023, and authorize Chairman Matt Collings to sign the Commendation on behalf of the Board of Directors of the South Orange County Wastewater Authority.

Attachment (s)

Resolution No. 2023-01

RESOLUTION OF COMMENDATION

RESOLUTION NO. 2023-01

**ADOPTED BY THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO JOSE NAVARRO FOR PROVIDING DEDICATED
SERVICE TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND
THE RESIDENTS OF SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
NOVEMBER 1982 TO JANUARY 2023**

WHEREAS, South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS, Joe Navarro began his over 38+ service years with the SOCWA agencies in 1984, starting with South East Regional Reclamation Authority as a Utility Worker I.

WHEREAS, During his career, Jose Navarro reached the level of Grade IV maintenance mechanic in 2013. Jose has also served at all three of SOCWA treatment facilities. He served as a vital resource.

WHEREAS, Jose Navarro is well regarded by all the SOCWA employees for his dedication to quality service for the SOCWA agencies, his friendly and cheerful attitude, and his ability to mentor SOCWA's employees.

THEREFORE, BE IT RESOLVED, that the Board of Directors of SOCWA and on behalf of the member agencies of SOCWA does hereby commend Jose Navarro for his dedicated service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED by the Board of Directors of the **SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 2nd Day of March 2023.**

By: _____
Mathew Collings, Chairperson

(Seal)

By: _____
James Burror, Acting General Manager/
Director of Operations

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, DANITA HIRSH, Assistant Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2023-01 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 2nd day of March 2023 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: March 2, 2023

Danita Hirsh, Assistant Secretary

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.B.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
SUBJECT: Board of Directors Offices – Special Appointment of Board Officer Secretary/Treasurer

Background

The Board of Directors will review and update the appointment of its Secretary/Treasurer.

Recommended Action: Staff recommends that the Board of Directors appoint James (Jim) Leslie Burror Jr to the position of the Secretary/Treasurer.

Agenda Item

5.C.

Board of Directors Meeting

Meeting Date: March 2, 2023

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
STAFF CONTACT: Amber Baylor, Director of Environmental Compliance
SUBJECT: South Orange County Integrated Water Management Plan (IRWM) –
Special Appointment of Executive Committee Members

Background

The Board of Directors will review and update the appointment for the representing SOCWA on the Orange County Integrated Water Management Plan (IRWM) Executive Committee.

The South Orange County (IRWM) Plan has been developed from, and coordinates with, existing plans and research documents provided by the participating agencies in a manner that identifies and integrates regional projects to improve water supply, protect water quality, enhance the environment, and provide flood risk management.

The South Orange County IRWM Executive Committee is comprised of an elected official from each of the member organizations. The Executive Committee is tasked with overseeing the implementation of the goals in the IRWM Plan. This includes recommending to the County of Orange which South Orange County projects should receive grant funding from the various Statewide watershed initiatives.

The staff recommends appointing James (Jim) Leslie Burror Jr as the alternative representative.

The form of the recommendation for the Board of Directors is proposed as:

Staff recommends the Board of Directors to:

1. Appoint _____ (*TBD at the Boards Discretion*) _____ as the primary representative and appoint _____ James (Jim) Leslie Burror, Jr _____ as the alternate representative on the South Orange County Integrated Water Management Plan (IRWM) Executive Committee, and
2. Rescind all previous appointments to represent SOCWA on the South Orange County (IRWM) Executive Committee.

Recommended Action: Board Discussion/Direction and Action.

Agenda Item

5.G.

Board of Directors Meeting

Meeting Date: March 2, 2023

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

ADMINISTRATION

Member Agency Requests

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

- City of Laguna Beach:
 - Goerge Weiss requested a meeting with the Administrative staff at SOCWA's office. The meeting allowed the new SOCWA Director to meet the staff to understand their roles and responsibilities in supporting the organization and the Board of Directors.
- Moulton Niguel Water District:
 - SOCWA O&M staff attended a project meeting regarding the potential installation of disc filters upstream of the AWT.
- SOCWA Chair and Vice Chair:
 - The SOCWA Chair and Vice Chair met with the administrative staff to provide an update on the General Manager. They also provided a forum for the SOCWA staff in attendance to ask questions about the Blueprint proposal, the process(es) they were using for reviewing the Blueprint proposal, and potential timelines for the review process.
 - The SOCWA Chair and Vice Chair met with all the SOCWA staff at an All Hands meeting to provide an update on the General Manager. They also provided a forum for the SOCWA staff in attendance to ask questions about the Blueprint proposal, the process(es) they were using for reviewing the Blueprint proposal, and potential timelines for the review process.
- Trabuco County Water District:
 - SOCWA staff was requested to provide a presentation on the final draft termination agreement financial materials proposed to be presented at the upcoming SOCWA Finance Committee. This was to ensure that the presentation included all the necessary items requested by TCWD, with enough detail, for the TCWD staff to prepare for their Board presentation and materials regarding potentially exiting SOCWA.
- OCEA Representatives held their second meeting with MNWD, SMWD, and SCWD Board members and Managers to discuss the upcoming proposals with SOCWA-represented employees.
- South Coast Water District:
 - SCWD requested two meetings with the Acting General Manager to request information to support their efforts to prepare their upcoming proposal(s).
 - SOCWA staff participated in an interview panel for hiring financial staff at SCWD.

- SNMP/Water Quality Meetings
 - These meetings are discussed in this report under the Environmental Compliance reports below.

At the time this report was prepared, were planned meetings to be held between the preparation of this report and the upcoming Board meeting:

- SOCWA Chair, Vice Chair, MNWD staff, and SMWD staff
 - This meeting is planned for 2/28/2023. The meeting will allow SOCWA staff to review the Blueprint proposal excel spreadsheet with the agency staff involved in preparing the financial information.
- Santa Margarita Water District
 - The General Manager of SMWD has requested a meeting with the SOCWA Administrative staff on 3/1/2023.

Updates on these meetings will be provided to the SOCWA Board of Directors at their March 2, 2023, meeting upon request.

ENVIRONMENTAL COMPLIANCE

CASA Conference

Staff attended the CASA conference in Palm Springs, CA, January 25-27, 2023. The conference focused on PFAS developments, cybersecurity, and energy/climate policy developments. SOCWA staff continue to engage with the CASA Climate Manager through Clean Water SoCal on developing climate policy implementation issues. On the large issue of PFAS, the matrix below is the allocation of staff resources and watch items related to PFAS developments based on the EPA’s PFAS Roadmap presented to Santa Margarita Water District Water Quality and Technology meeting on November 16, 2021. The PFAS roadmap narrative can be found here <https://www.epa.gov/pfas/pfas-strategic-roadmap-epas-commitments-action-2021-2024> Staff receives updates from each EPA office and engages within the related committee groups.

Office of Chemical Safety and Pollution Prevention	Office of Water	Office of Land and Emergency Management	Office of Air and Radiation	Office of Research and Development	Cross Programs
Publish National PFAS Testing Strategy – Fall 2021	National surveillance of PFAS Rule – Fall 2021	Propose designation PFAS as CERLA hazardous substances – Spring 2023	Build technical foundation to address PFAS Air Emissions	Develop and validate methods to measure PFAS in the environment	Engage directly with affected communities in every EPA Region – Fall 2021
Robust review of new and existing PFAS	National Primary drinking water regulation for PFOA and PFOS – Fall 2022 draft	Issue advance notice of proposed rulemaking on various PFAS under CERCLA – Spring 2022		Advance the science to assess human health and environmental risks from PFAS	Use enforcement tools to better identify and address PFAS release at facilities
Review previous decisions on PFAS	GenX toxicity assessment + 5 PFAS Chemicals(PFBA, PFHxA, PFHxS, PFNA, and PFDA	Issue Updated guidance on destroying PFAS – Fall 2023		Evaluate and develop technologies for reducing PFAS in the environment	Accelerate public health protections by identifying PFAS categories
Review Abandoned Chemical List under TSCA	Publish GenX and PFBS Health Advisories – Spring 2022				Establish a PFAS Voluntary Stewardship Program – Spring 2022
Enhance PFAS Reporting under the Toxics Release Inventory and TSCA	Restrict PFAS from Effluent Limitation Guidelines Program – 2022				Educate the public about the risks of PFAS
	Leverage NPDES permitting to reduce PFAS discharge to waterways				Issue an annual public report on progress towards PFAS commitments – Winter 2022
	Publish multi-validated PFAS method multi-laboratory validated				
	Publish updates to Methods 533 and 537.1 drinking water – Fall 2024				
	Publish ambient water quality criteria for PFAS – Winter 2022				
	Monitor and Finalize list for Fish advisory programs- Summer 2022				
	Finalize risk assessment for PFOS in Biosolids – Winter 2024				

Recycled Water Spills

Beginning on January 23, 2023, the Santa Margarita Water District had a 1.35 million gallon recycled water spill. SOCWA staff was notified, and a request to utilize the Dudek contract under SOCWA for emergency spill response was utilized. On February 14, 2023, the Moulton Niguel Water District had a 487,000 gallons of recycled water spill. The SOCWA laboratory provided support services for sampling and analysis related to the impact analysis of the spill.

Salt and Nutrient Management Plan

On February 14, 2014, SOCWA staff updated the Santa Margarita Water District's Water Quality and Technology Committee regarding the Salt and Nutrient Management Plan (SNMP). The SNMP is scheduled to be delivered before the end of the 22-23 Fiscal Year. The SNMP update focused on the historical data in the San Juan Watershed before 1968, forming the basis of the best-efforts approach for the management of salts within the basin.

Subject Matrix Expertise

SOCWA staff provide leadership in the industry on a variety of technical and policy-related committees. There are developing policy issues that have a direct impact on the ability of SOCWA to control costs related to Permit compliance and wastewater treatment. Through this effort, SOCWA staff are integrating technical, and subject matter expertise to integrate the technical analysis and constraints into the policy discussions. The subject matter expertise is based on staff interest and workforce development principles to leverage the technical ability to support developing regulatory business needs.

California's COVID-19 State of Emergency Ending

With the ending of the State of Emergency in the State, SOCWA staff is in the process of updating the COVID-19 Exposure Control Plan and the Disease Preparedness Response Plan to incorporate the new regulations that were issued by Cal OSHA earlier this year.

OPERATIONS

Public Treatment Tours Resumed

SOCWA has restarted conducting public tours of the facilities after a nearly three (3) year COVID hiatus. These tours are important for the local community's school-age children because the State's educational curriculum requires students to visit community infrastructure discussed in the classroom. Below is a photo from that recent tour.



SOCWA Refunded \$23,620 for Participating in SCE's ELRP Last Summer

Last summer, SOCWA's RTP and CTP participated in SCE's Emergency Load Reduction Program (ELRP). The program allows for the use of emergency generators to reduce power demands on the State's power grid when it is nearing capacity. This program is designed to minimize brownouts in the State. SOCWA did incur staff overtime and fuel purchase costs offset by the \$23,620 credit included in the recent January electric bills.

It is estimated that the overall saving to SOCWA was about \$3,000 (\$23,620 minus expenses) to allow approximately 1,000 homes to have power during these seven (7) emergency events.