

I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below at the usual agenda posting location of the South Orange County Wastewater Authority (SOCWA) and at www.socwa.com.



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

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

September 4, 2025
8:30 a.m.

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

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

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

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

Join Zoom Meeting

<https://socwa.zoom.us/>

Meeting ID: 838 0331 5164

Passcode: 003033

Dial by your location:

+1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston) +1 312 626 6799 US (Chicago)

Find your local number: <https://socwa.zoom.us/j/kcQnfc1Cq2>

South Orange County Wastewater Authority
Board of Directors Meeting
September 4, 2025

Agenda

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

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

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

ACTION Board Discussion/Direction and Action.

PAGE NO.

5. CONSENT CALENDAR

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

- Board of Directors Regular Meeting of August 7, 2025

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

- B. Minutes of Finance Committee 6

- Finance Committee Meeting of June 17, 2025

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

- C. Minutes of Executive Committee 9

- Executive Committee Special Meeting of July 29, 2025

ACTION The Executive Committees will be requested to approve the subject Minutes, and the Board will be requested to receive and file the subject Minutes.

- D. Financial Reports for the Months of May & June 2025..... 11

The reports included are as follows:

- a. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit A-1)
 - Operations and Environmental by PC (A-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit A-2)
 - Administration (Exhibit A-3)
 - Information Technology (IT) (Exhibit A-4)

South Orange County Wastewater Authority
Board of Directors Meeting
September 4, 2025

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ACTION The Finance Committee recommends that the Board of Directors receive and file the May 2025 & June 2025 Financial Reports.

- E. July 2025 Operations Report39
1. Monthly Operational Report
 2. SOCWA Ocean Outfall Discharges by Agency
 3. Beach Ocean Monitoring Report
 4. Recycled Water Report

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

- F. Capital Improvement Program Status Report and Construction Projects Progress and Construction Projects Progress and Change Order Report (August) [Project Committees 2 and 15]80

ACTION Staff recommends that the PC 15 Board of Directors to approve an additional \$40,000 to the existing project budget of \$160,000. This will result in a revised total project budget of \$200,000 for the CTP Aeration Deck Grating Replacement Project.

6. ENGINEERING MATTERS

- A. Contract Award for Coastal Treatment Grit Tank Coating Replacement.....92

ACTION Staff recommends that the PC 15 Board of Directors:

1. Authorize execution of a contract with Murphy Industrial Coatings in the amount of \$113,894 for the CTP Grit Tank Coating Replacement project.
2. Approve a construction contingency of \$11,390 to address any unforeseen conditions encountered during the work, for a total project budget of \$125,284.

- B. Water Research Foundation Proposal97

ACTION Board Discussion/Direction or Action.

7. GENERAL MANAGER'S REPORT

- A. General Counsel's Report

ACTION Board Discussion/Direction and Action.

South Orange County Wastewater Authority
Board of Directors Meeting
September 4, 2025

Agenda

B. General Manager's Report 103

ACTION Board Discussion/Direction and Action.

C. Ocean Institute Partnership Proposal..... 104

ACTION Board Discussion/Direction and Action.

D. Upcoming Meetings Schedule:

- September 4, 2025 – Board of Directors Regular Meeting
- September 11, 2025 – Engineering Committee Meeting
- September 16, 2025 – Finance Committee Meeting
- September 23, 2025 – Executive Committee Special Meeting
- October 2, 2025 – Board of Directors Regular Meeting

ACTION Information Item.

8. OTHER MATTERS

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

9. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
October 2, 2025

**MINUTES OF REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
Board of Directors**

August 7, 2025

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held in person and via teleconference on August 7, 2025, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

KATHRYN FRESHLEY	El Toro Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
GAVIN CURRAN	City of Laguna Beach	Alternate Director
RICK SHINTAKU	South Coast Water District	Alternate Director [Zoom]
ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
DAVE REBENDSOLF	City of San Clemente	Director

Staff Present:

AMBER BOONE	General Manager
JIM BURROR	Deputy GM/Chief Engineer
DINA ASH	HR Administrator
BOB CULVER	Environment Services Manager
ANNA SUTHERLAND	Staff Accountant
ERNIE LEAL	Chief Operator
JAMES JONES	Superintendent of O&M
MATT CLARKE	Chief Technology Officer
DANITA HIRSH	Executive Assistant/Clerk of the Board

Also Present:

ADRIANA OCHOA	Snell & Wilmer
MIKE GASKINS	El Toro Water District
JASON PIVOVAROFF	Dopudja & Wells Consulting
ERICA CASTILLO	South Coast Water District
MARC SERNA	South Coast Water District
DENNIS CAFFERTY	El Toro Water District
MATT COLLINGS	Moulton Niguel Water District

1. CALL TO ORDER

Director Kathryn Freshley called the meeting to order at 8:31 a.m.

2. PLEDGE OF ALLEGIANCE – Mr. Jim Burror

3. ORAL COMMUNICATIONS

None.

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

Alternate Director Rick Shintaku participated via Zoom.

5. CONSENT CALENDAR

ACTION TAKEN

A motion was made by Director Grantham and seconded by Director Dunbar to approve the Consent Calendar as submitted.

Motion carried:	Aye 6, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Curran Aye
	Director Grantham Aye
via Zoom	Director Shintaku Aye
	Director Rebensdorf Aye

(5A-5E)

- A. Minutes of Board of Directors Special Meeting for June 23, 2025
- B. Minutes of PC 2/PC 15 Joint Meeting for July 10, 2025
- C. May 2025 Operations Reports
Approved Action: Information Item; received and filed.
- D. June 2025 Operations Reports
Approved Action: Information Item; received and filed.
- E. Capital Improvement Construction Projects Progress and Change Order Report (July) [Project Committees 2 and 15]
Approved Action: Information Item; received and filed.

6. ENGINEERING MATTERS

- A. CTP Master Plan Revised Draft RFP Review [Project Committee 15]

An open discussion ensued regarding the timing of releasing RFP for CTP first, with the release of RFP for JBL to follow in 3-4 weeks. Due to the timing of the release of RFP's for PC 15 and PC 2, the motion applies to both agenda items 6A and 6B with separate voting.

Public Speaker: Matt Collings, Moulton Niguel Water District

ACTION TAKEN

A motion was made by Director Dunbar and seconded by Director Curran to authorize the General Manager to release the RFP for PC15 in 3-4 weeks following the release of the RFP for PC 2, subject to discussion with all agency staff.

Motion carried:	Aye 3, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Curran Aye
	Director Shintaku Aye

B. JBL Master Plan Revised Draft RFP Review [Project Committee 2]

ACTION TAKEN

A motion was made by Director Grantham and seconded by Director Shintaku to authorize the General Manager to release the RFP for PC 2, subject to discussion with all agency staff and with direction to release the RFP for PC 15 in the following 3-4 weeks.

Motion carried: Aye 2, Nay 0, Abstained 0, Absent 0
Director Grantham Aye
Director Shintaku Aye

7. GENERAL MANAGER'S REPORT

- A. Resolution No. 2025-11: A Resolution of the Board of Directors of the South Orange County Wastewater Authority for A Commendation to Ernie Leal for providing Dedicated Service to the South Orange County Wastewater Authority and the Residents of Southern Orange County for the period of February 2004 to August 2025

ACTION TAKEN

A motion was made by Director Dunbar and seconded by Director Freshley to approve Resolution No. 2025-11: A Resolution of the Board of Directors of the South Orange County Wastewater Authority for A Commendation to Ernie Leal for providing Dedicated Service to the South Orange County Wastewater Authority and the Residents of Southern Orange County for the period of February 2004 to August 2025.

Motion carried: Aye 6, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Curran Aye
Director Grantham Aye
Director Shintaku Aye
Director Rebensdorf Aye

B. Strategic Planning Discussion

An open discussion ensued on the strategic planning for SOCWA with a focus on the organization's future direction and staff development.

This was an information item; no action was taken.

C. General Counsel's Report

Ms. Adriana Ochoa, General Counsel, reported on the status of several legislative assembly bills that may impact SOCWA and or its member agencies. An open discussion ensued.

This was an information item; no action was taken.

D. General Manager's Report

Ms. Amber Boone, General Manager, noted the list of purchases on page 110 under the Uniform Purchasing Policy with no additional comments.

This was an information item: no action was taken.

E. Upcoming Meetings Schedule:

- August 7, 2025 – Board of Directors Regular Meeting
- August 14, 2025 – Engineering Committee Meeting
- August 19, 2025 – Finance Committee Meeting
- September 4, 2025 – Board of Directors Regular Meeting

This was an information item; no actions were taken.

9. OTHER MATTERS

None.

10. ADJOURNMENT

There being no further business, Director Freshley adjourned the meeting at 9:15 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on August 7, 2025, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



SOCWA BOARD MEETING REMOTE APPEARANCE FORM

Board Member Name Rick Shintaku _____

Member Agency South Coast Water District _____

Date of Requested

Remote Participation August 7, 2025

Date Request

Submitted August 5, 2025

Basis for Remote Appearance (select one)

Emergency Circumstances (*i.e.*, a physical or family medical emergency that prevents in-person participation) *Subject to Board approval

Just Cause (select applicable reason below)

- A childcare or caregiving need of a child, parent, grandparent, grandchild, sibling, spouse, or domestic partner that requires remote participation
- ☒ A contagious illness that prevents in-person participation
- ☒ A need related to a physical or mental disability
- ☐ Travel while on official business of this legislative body or another state or local agency

General Description of Need to Appear Remotely – *Approximately 20 words. No need to disclose any medical diagnosis, disability or personal medical information.*

Director Shintaku has a contagious illness that prevents in person participation and is requesting remote participation.

Important Reminders

- Notify the agency of your need to appear remotely at the earliest opportunity.
- You must participate remotely by both audio and video.
- At the meeting before any action is taken, you must publicly disclose whether there are any individuals 18 years of age or older in the room with you, and the general nature of your relationship with the individual(s).
- You must submit a request for each meeting in which you seek to appear remotely.
- You may not participate remotely for more than three consecutive months or for 20% of regular meetings within the calendar year. If the board meets 10 or fewer times per year, you may only participate remotely for two meetings per calendar year.
- You may only participate remotely for “just cause” for two meetings per calendar year.
- Requests to appear remotely under emergency circumstances require a Board action to approve the request.

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

June 17, 2025

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was held on June 17, 2025, at 10:30 a.m. in-person and via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present:

BOB WHALEN	City of Laguna Beach	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
ERICA CASTILLO	South Coast Water District	Alternate Director
PAUL PENDER	Santa Margarita Water District	Alternate Director

Staff Participation:

AMBER BOONE	General Manager
JIM BURROR	Deputy GM/Chief Engineer
JACK BECK	Accountant
ANNA SUTHERLAND	Staff Accountant
DINA ASH	HR Administrator
JAMES JONES	Superintendent of O&M
RONI GRANT	Capital Improvement Program Manager
MATT CLARKE	Chief Technology Officer
DANITA HIRSH	Executive Assistant/Clerk of the Board

Also Participating:

TRACIE STENDER	Snell & Wilmer
SCOTT GOLDMAN	South Coast Water District
JENNIFER LOPEZ	South Coast Water District
KELSEY DECASAS	Moulton Niguel Water District
GAVIN CURRAN	City of Laguna Beach
KATHRYN FRESHLEY	El Toro Water District
MATT COLLINGS	Moulton Niguel Water District

1. Call Meeting to Order

Chairperson Paul Pender called the meeting to order at 10:33 a.m.

2. Public Comments

None.

3. Approval of Committee Member Request for Remote Participation (Standing Item)

None.

4. Approval of Minutes

- Finance Committee Meeting of May 20, 2025.

ACTION TAKEN

A motion was made by Director Castillo and seconded by Director Cafferty to approve the Minutes for May 20, 2025, as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
	Director Whalen Aye
	Director Cafferty Aye
	Director Pender Aye
	Director Castillo Aye

5. Financial Reports for the Month of April 2025

ACTION TAKEN

A motion was made by Director Pender and seconded by Director Whalen to recommend that the Board of Directors receive and file the Financial Reports for the Month of April 2025.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
	Director Whalen Aye
	Director Cafferty Aye
	Director Pender Aye
	Director Castillo Aye

6. Cost Allocation Policy Review

An open discussion ensued regarding revisions, additions, and clarifications to the proposed policy.

The Finance Committee directed staff to incorporate the comments provided in the discussion and bring the updated version back to the Committee for review at the next meeting in August.

7. Employee Reimbursement to Moulton Niguel Water District

ACTION TAKEN

A motion was made by Director Pender and seconded by Director Castillo to recommend that the Board of Directors authorize the General Manager to execute the payment of \$274,371.93 to Moulton Niguel Water District for SOCWA terminated employees' leave balances.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
	Director Whalen Aye
	Director Cafferty Aye
	Director Pender Aye
	Director Castillo Aye

8. Quarterly Investment Reporting Under Government Code Section 53646

ACTION TAKEN

Motion was made by Director Whelan and seconded by Director Castillo, directing staff to provide quarterly statements on LAIF Investments to the Finance Committee and Board of Directors.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
	Director Whalen Aye
	Director Cafferty Aye
	Director Pender Aye
	Director Castillo Aye

9. Adjournment

There being no further business, Chairperson Pender adjourned the meeting at 11:37 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of June 17, 2025, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh / Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

DRAFT

Executive Committee

July 29, 2025

9:00 a.m.

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee was held on July 29, 2025, at 9:00 a.m. in person at the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Executive Committee were present:

SCOTT GOLDMAN	South Coast Water District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
FRANK URY	Santa Margarita Water District	Director

Staff Participation:

AMBER BOONE	General Manager
MATT CLARKE	Chief Technology Officer
DANITA HIRSH	Executive Assistant/Clerk of the Board

1. Call Meeting to Order

Director Ury called the meeting to order at 9:13 a.m.

2. Public Comments

None.

3. SOCWA Goals for 2025 and 2026

An open discussion ensued regarding the potential organizational goals for 2025 and 2026.

This was an information item; no action was taken.

4. Support Resources Discussion

An open discussion ensued regarding the ongoing and needed organization staffing and consulting needs.

This was an information item; no action was taken.

5. Website Redesign

An open discussion ensued regarding reviewing potential updates needed for the SOCWA website.

This was an information item; no action was taken.

6. General Discussion

- An open discussion ensued regarding governance matters, upcoming deadlines, initiatives, or member concerns.

This was an information item; no action was taken.

Adjournment

There being no further business, Director Ury adjourned the meeting at 10:29 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Executive Committee of July 29, 2025, and approved by the Executive Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.D.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Jack Beck, Accountant

SUBJECT: Financial Reports for the Months of May & June 2025

Summary/Discussion

The enclosed financial reports are provided to the Finance Committee for recommendation to the Board of Directors to receive and file the summary of the O&M Budget vs. Actual Expenses as of May 31 & June 30, 2025:

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

	FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant	7,838,158	6,772,272	1,065,886	86.4%
05 - San Juan Creek Ocean Outfall	693,802	616,046	77,756	88.8%
08 - Pre Treatment	344,331	193,997	150,334	56.3%
12 - Water Reclamation Permits	274,945	95,003	179,942	34.6%
15 - Coastal Treatment Plant	3,256,411	2,783,911	472,500	85.5%
17 - Joint Regional Wastewater Reclamation and Sludge Handling	8,535,931	4,604,400	3,931,531	53.9%
24 - Aliso Creek Ocean Outfall	670,212	586,534	83,678	87.5%
Total	21,613,791	15,652,163	5,961,628	72.4%

For the Period Ended June 30, 2025
(in dollars)

	FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant	7,838,158	7,482,866	355,292	95.5%
05 - San Juan Creek Ocean Outfall	693,802	632,701	61,101	91.2%
08 - Pre Treatment	344,331	214,650	129,681	62.3%
12 - Water Reclamation Permits	274,945	98,262	176,684	35.7%
15 - Coastal Treatment Plant	3,256,411	3,070,489	185,922	94.3%
17 - Joint Regional Wastewater Reclamation and Sludge Handling	8,535,931	4,667,511	3,868,420	54.7%
24 - Aliso Creek Ocean Outfall	670,212	607,780	62,432	90.7%
Total	21,613,791	16,774,258	4,839,533	77.6%

¹ FY24-25 Budget does not include the mid-year budget adjustment

The O&M expenses should be less than 91.67% to remain in budget for May, and less than 100% to remain in budget for June. Staff expects all PC budgets to remain within the approved FY 24-25 budget.

The reports included are as follows:

- a. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit A-1)
 - Operations and Environmental by PC (A-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit A-2)
 - Administration (Exhibit A-3)
 - Information Technology (IT) (Exhibit A-4)

Recommended Action: The Finance Committee recommends that the Board of Directors receive and file the May 2025 & June 2025 Financial Reports.

**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended May 31, 2025
(in dollars)**

FY 2024-25 Budget vs. Actual Spending				
Description	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended
PC 2-JB Latham	\$ 5,092,547	\$ 436,445	\$ 4,656,102	8.6%
PC 5-San Juan Creek Outfall	-	34,921	(34,921)	-
PC 15-Coastal	2,025,000	2,279,178	(254,178)	112.6%
PC 17-Regional	1,114,393	521,406	592,987	46.8%
PC 21 Effluent Transmission	96,632	33,289	63,343	34.4%
PC 24 Aliso Creek Outfall	45,000	16,697	28,303	37.1%
Total Large Capital	\$ 8,373,572	\$ 3,321,936	\$ 5,051,636	39.7%
Non-Capital Engineering	302,000	100,317	201,683	33.2%
Non-Capital Misc Engineering	-	-	-	-
Small Internal Capital	2,061,000	1,549,309	511,691	75.2%
Total Capital	\$ 10,736,572	\$ 4,971,562	\$ 5,765,010	46.3%

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe						
_5000--***	Regular Salaries-O&M	5,706,265	3,908,832	1,797,433	68.5%	
_5001--***	Overtime Salaries-O&M	65,000	61,888	3,112	95.2%	(1)
_5306--***	Scheduled Holiday Work	30,000	27,902	2,098	93.0%	
_5315--***	Comp Time - O&M	15,000	31,824	(16,824)	212.2%	(1)
_5401--***	Fringe Benefits IN to PC's & Depts.	3,071,493	1,965,361	1,106,132	64.0%	
_5700--***	Standby Pay	99,992	90,500	9,492	90.5%	
	Total Payroll Costs	8,987,750	6,086,307	2,901,443	67.7%	
Other Expenses						
_5002--***	Electricity	1,299,100	1,345,866	(46,766)	103.6%	(2)
_5003--***	Natural Gas	509,860	244,640	265,220	48.0%	
_5004--***	Potable & Reclaimed Water	79,400	54,625	24,775	68.8%	
_5005--***	Co-generation Power Credit	(1,367,100)	(491,653)	(875,447)	36.0%	
_5006--***	Chlorine/Sodium Hypochlorite	219,300	311,584	(92,284)	142.1%	(3)
_5007--***	Polymer Products	1,153,500	754,178	399,322	65.4%	
_5008--***	Ferric Chloride	982,500	823,609	158,891	83.8%	
_5009--***	Odor Control Chemicals	181,700	149,179	32,521	82.1%	
_5010--***	Other Chemicals - Misc.	2,000	1,012	989	50.6%	
_5011--***	Laboratory Services	62,128	30,422	31,706	49.0%	
_5012--***	Grit Hauling	135,800	122,617	13,183	90.3%	
_5013--***	Landscaping	217,300	164,843	52,457	75.9%	
_5015--***	Management Support Services	285,550	180,092	105,458	63.1%	
_5016--***	Audit - Environmental	1,324	-	1,324	0.0%	
_5017--***	Legal Fees	19,000	-	19,000	0.0%	
_5018--***	Public Notices/ Public Relations	1,550	-	1,550	0.0%	
_5019--***	Contract Services Misc.	364,700	260,368	104,332	71.4%	
_5021--***	Small Vehicle Expense	24,548	32,873	(8,324)	133.9%	
_5022--***	Miscellaneous Expense	16,068	8,475	7,593	52.7%	
_5023--***	Office Supplies - All	49,500	27,318	22,183	55.2%	
_5024--***	Petroleum Products	28,400	8,125	20,275	28.6%	
_5025--***	Uniforms	80,400	137,074	(56,674)	170.5%	(4)
_5026--***	Small Vehicle Fuel	20,404	13,359	7,045	65.5%	
_5027--***	Insurance - Property/Liability	638,224	592,814	45,411	92.9%	
_5028--***	Small Tools & Supplies	80,052	34,634	45,418	43.3%	
_5030--***	Trash Disposal	10,000	6,147	3,853	61.5%	
_5031--***	Safety Program & Supplies	117,252	74,620	42,633	63.6%	
_5032--***	Equipment Rental	7,000	6,384	616	91.2%	
_5033--***	Recruitment	2,300	-	2,300	0.0%	
_5034--***	Travel Expense/Tech. Conferences	69,775	32,088	37,687	46.0%	
_5035--***	Training Expense	87,050	54,120	32,930	62.2%	
_5036--***	Laboratory Supplies	140,048	137,440	2,608	98.1%	
_5037--***	Office Equipment	27,000	11,421	15,579	42.3%	
_5038--***	Permits	698,551	658,474	40,077	94.3%	
_5039--***	Membership Dues/Fees	12,647	12,366	281	97.8%	
_5044--***	Offshore Monitoring	60,116	82,269	(22,153)	136.9%	
_5045--***	Offshore Biochemistry - 20B	22,854	16,970	5,884	74.3%	
_5046--***	Effluent Chemistry	51,908	55,534	(3,626)	107.0%	
_5047--***	Access Road Expenses	45,000	264	44,736	0.6%	
_5048--***	Storm Damage	20,000	-	20,000	0.0%	

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
5049--**-**	Biosolids Disposal	1,854,800	1,013,000	841,800	54.6%	
5050--**-**	Contract Services Generators - 29A	23,200	21,165	2,035	91.2%	
5052--**-**	Janitorial Services	97,900	76,186	21,714	77.8%	
5053--**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%	
5054--**-**	Diesel Truck Maint	44,300	32,863	11,437	74.2%	
5055--**-**	Diesel Truck Fuel	12,100	8,972	3,128	74.1%	
5056--**-**	Maintenance Equip. & Facilities (Solids)	305,300	195,548	109,752	64.1%	
5057--**-**	Maintenance Equip. & Facilities (Liquids)	500,000	338,704	161,296	67.7%	
5058--**-**	Maintenance Equip. & Facilities (Common)	92,000	56,938	35,063	61.9%	
5059--**-**	Maintenance Equip. & Facilities (Co-Gen)	826,000	594,821	231,179	72.0%	
5060--**-**	Maintenance Equip. & Facilities (AWT)	30,000	13,562	16,438	45.2%	
5061--**-**	Mileage	2,950	1,894	1,056	64.2%	
5068--**-**	MNWD Potable Water Supplies & Svcs.	40,000	32,598	7,402	81.5%	
5076--**-**	SCADA Infrastructure	93,600	60,421	33,179	64.6%	
5077--**-**	IT Direct	58,000	110,947	(52,947)	191.3%	(5)
5105--**-**	Co-Generation Power Credit - Offset	1,367,100	491,653	875,447	36.0%	
5309--**-**	Operating Leases	20,000	20,123	(123)	100.6%	(6)
5705--**-**	Monthly Car Allowance	25,200	21,623	3,577	85.8%	
5791--**-**	CTP Access Road Insurance Cost Share	-	(8,000)	8,000	0.0%	(7)
5799--**-**	Stormwater Station Costs Share-O&M	(14,000)	(14,000)	-	100.0%	(8)
6500--**-**	IT Allocations in to PC's & Depts.	725,880	542,693	183,188	74.8%	
	Total Other Expenses	12,626,041	9,565,857	3,060,184	75.8%	
Total O&M Expenses		21,613,791	15,652,163	5,961,628	72.4%	

¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

- (1) O&M completed several nighttime repairs before the winter season started.
- (2) SDG&E electricity rates increased beyond what was budgeted.
- (3) Increased bleach AWT at CTP usage compared to last fiscal year and continued septicity issues at JBL.
- (4) SOCWA is working with Cintas to resolve several billing errors and contract closeout charges for RTP.
- (5) Unanticipated Aptean Tabware upgrades were required this year.
- (6) Annual increases in lease costs were unknown during the preparation of the budget.
- (7) Shared insurance cost with the County of Orange for joint use of the CTP access road.
- (8) Shared cost for treatment of South Cove stormwater and urban runoff at JBL.

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant		7,838,158	6,772,272	1,065,886	86.4%
05 - San Juan Creek Ocean Outfall		693,802	616,046	77,756	88.8%
08 - Pre Treatment		344,331	193,997	150,334	56.3%
12 - Water Reclamation Permits		274,945	95,003	179,942	34.6%
15 - Coastal Treatment Plant		3,256,411	2,783,911	472,500	85.5%
17 - Joint Regional Wastewater Reclamation and Sludge Handling		8,535,931	4,604,400	3,931,531	53.9%
24 - Aliso Creek Ocean Outfall		670,212	586,534	83,678	87.5%
Total		21,613,791	15,652,163	5,961,628	72.4%
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02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**-**	Regular Salaries-O&M	2,090,768	1,691,099	399,670	80.9%
02-5001-**-**-**	Overtime Salaries-O&M	21,693	36,560	(14,867)	168.5% (1)
02-5306-**-**-**	Scheduled Holiday Work	13,820	14,849	(1,029)	107.4%
02-5315-**-**-**	Comp Time - O&M	7,078	21,640	(14,563)	305.8% (1)
02-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,125,391	850,284	275,107	75.6%
02-5700-**-**-**	Standby Pay	40,300	49,500	(9,200)	122.8%
	Total Payroll Costs	3,299,050	2,663,933	635,118	80.7%
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Other Expenses					
02-5002-**-**-**	Electricity	683,100	736,447	(53,347)	107.8% (2)
02-5003-**-**-**	Natural Gas	259,560	143,434	116,126	55.3%
02-5004-**-**-**	Potable & Reclaimed Water	27,000	24,434	2,567	90.5%
02-5006-**-**-**	Chlorine/Sodium Hypochlorite	40,000	83,585	(43,585)	209.0% (3)
02-5007-**-**-**	Polymer Products	458,000	429,885	28,115	93.9%
02-5008-**-**-**	Ferric Chloride	300,000	409,068	(109,068)	136.4% (3)
02-5009-**-**-**	Odor Control Chemicals	38,000	38,080	(80)	100.2%
02-5010-**-**-**	Other Chemicals - Misc.	1,000	1,012	(11)	101.1%
02-5011-**-**-**	Laboratory Services	20,508	7,006	13,502	34.2%
02-5012-**-**-**	Grit Hauling	72,600	85,229	(12,629)	117.4%
02-5013-**-**-**	Landscaping	70,000	69,274	726	99.0%
02-5015-**-**-**	Management Support Services	35,950	42,311	(6,361)	117.7%
02-5017-**-**-**	Legal Fees	5,000	-	5,000	0.0%
02-5019-**-**-**	Contract Services Misc.	132,900	112,714	20,186	84.8%
02-5021-**-**-**	Small Vehicle Expense	11,000	14,845	(3,845)	135.0%
02-5022-**-**-**	Miscellaneous Expense	8,000	6,074	1,926	75.9%
02-5023-**-**-**	Office Supplies - All	30,900	15,723	15,178	50.9%
02-5024-**-**-**	Petroleum Products	12,000	582	11,418	4.8%
02-5025-**-**-**	Uniforms	37,100	49,915	(12,815)	134.5% (4)
02-5026-**-**-**	Small Vehicle Fuel	8,000	6,125	1,875	76.6%
02-5027-**-**-**	Insurance - Property/Liability	224,629	208,703	15,927	92.9%
02-5028-**-**-**	Small Tools & Supplies	36,100	10,167	25,933	28.2%
02-5030-**-**-**	Trash Disposal	3,000	3,615	(615)	120.5%
02-5031-**-**-**	Safety Program & Supplies	40,840	36,521	4,319	89.4%
02-5032-**-**-**	Equipment Rental	3,000	-	3,000	0.0%
02-5033-**-**-**	Recruitment	1,000	-	1,000	0.0%
02-5034-**-**-**	Travel Expense/Tech. Conferences	19,379	15,455	3,924	79.8%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02-5035-**-**-**	Training Expense	25,592	33,244	(7,652)	129.9%
02-5036-**-**-**	Laboratory Supplies	21,000	21,580	(580)	102.8%
02-5037-**-**-**	Office Equipment	14,000	5,559	8,441	39.7%
02-5038-**-**-**	Permits	29,735	51,299	(21,564)	172.5% (5)
02-5039-**-**-**	Membership Dues/Fees	4,025	5,964	(1,939)	148.2%
02-5049-**-**-**	Biosolids Disposal	787,500	472,932	314,568	60.1%
02-5050-**-**-**	Contract Services Generators - 29A	10,000	13,504	(3,504)	135.0%
02-5052-**-**-**	Janitorial Services	44,300	39,908	4,392	90.1%
02-5054-**-**-**	Diesel Truck Maint	23,700	23,330	370	98.4%
02-5055-**-**-**	Diesel Truck Fuel	3,400	2,977	423	87.6%
02-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	125,000	134,498	(9,498)	107.6%
02-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	145,901	54,099	73.0%
02-5058-**-**-**	Maintenance Equip. & Facilities (Common)	30,000	25,308	4,692	84.4%
02-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	308,000	278,084	29,916	90.3%
02-5061-**-**-**	Mileage	1,450	1,393	57	96.1%
02-5076-**-**-**	SCADA Infrastructure	31,200	30,706	495	98.4%
02-5077-**-**-**	IT Direct	20,000	52,486	(32,486)	262.4% (6)
02-5309-**-**-**	Operating Leases	20,000	20,123	(123)	100.6% (7)
02-5705-**-**-**	Monthly Car Allowance	8,400	13,546	(5,146)	161.3%
02-5799-**-**-**	Stormwater Station Costs Share-O&M	(14,000)	(14,000)	-	100.0% (8)
02-6500-**-**-**	IT Allocations in to PC's & Depts.	267,238	199,797	67,441	74.8%
	Total Other Expenses	4,539,107	4,108,339	430,768	90.5%
	Total Expenses	7,838,158	6,772,272	1,065,886	86.4%

05 - San Juan Creek Ocean Outfall

Salary and Fringe

05-5000-**-**-**	Regular Salaries-O&M	104,602	82,833	21,769	79.2%
05-5001-**-**-**	Overtime Salaries-O&M	76	878	(802)	1154.9%
05-5306-**-**-**	Scheduled Holiday Work	488	-	488	0.0%
05-5315-**-**-**	Comp Time - O&M	-	794	(794)	100.0%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	56,304	41,648	14,655	74.0%
	Total Payroll Costs	161,470	126,154	35,316	78.1%

Other Expenses

05-5015-**-**-**	Management Support Services	57,500	30,436	27,064	52.9%
05-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
05-5027-**-**-**	Insurance - Property/Liability	25,347	23,540	1,807	92.9%
05-5031-**-**-**	Safety Supplies	1,036	38	998	3.7%
05-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	3,858	881	81.4%
05-5035-**-**-**	Training Expense	1,087	298	789	27.4%
05-5036-**-**-**	Laboratory Supplies	40,000	22,001	17,999	55.0%
05-5038-**-**-**	Permits	332,746	312,715	20,031	94.0%
05-5039-**-**-**	Memberships Dues/Fees	-	302	(302)	100.0%
05-5044-**-**-**	Offshore Monitoring	18,500	41,634	(23,134)	225.1%
05-5045-**-**-**	Offshore Biochemistry - 20B	7,550	8,426	(876)	111.6%
05-5046-**-**-**	Effluent Chemistry	28,500	36,134	(7,634)	126.8%
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	546	454	54.6%
05-6500-**-**-**	IT Allocations in to PC's & Depts.	13,327	9,962	3,365	74.8%
	Total Other Expenses	532,332	489,892	42,440	92.0%
	Total Expenses	693,802	616,046	77,756	88.8%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	176,735	107,790	68,945	61.0%
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	95,131	54,197	40,934	57.0%
	Total Payroll Costs	271,866	161,987	109,879	59.6%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,120	1,610	1,510	51.6%
08-5015-**-**-**	Management Support Services	20,000	-	20,000	0.0%
08-5016-**-**-**	Audit - Environmental	1,324	-	1,324	0.0%
08-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
08-5018-**-**-**	Public Notices/ Public Relations	1,550	-	1,550	0.0%
08-5021-**-**-**	Small Vehicle Expense - 31A	1,148	-	1,148	0.0%
08-5022-**-**-**	Miscellaneous Expense	2,068	-	2,068	0.0%
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,304	-	1,304	0.0%
08-5027-**-**-**	Insurance - Property/Liability	8,540	7,931	609	92.9%
08-5028-**-**-**	Small Tools & Supplies	3,752	760	2,992	20.3%
08-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	3,324	1,415	70.1%
08-5035-**-**-**	Training Expense	2,000	2,238	(238)	0.0%
08-5038-**-**-**	Permits and Fines	520	-	520	0.0%
08-5039-**-**-**	Membership Dues/Fees	500	522	(22)	104.4%
08-6500-**-**-**	IT Allocations in to PC's & Depts.	20,900	15,625	5,275	74.8%
	Total Other Expenses	72,465	32,010	40,455	44.2%
	Total Expenses	344,331	193,997	150,334	56.3%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	113,444	21,736	91,708	19.2%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	61,063	10,929	50,134	17.9%
	Total Payroll Costs	174,507	32,665	141,842	18.7%
Other Expenses					
12-5015-**-**-**	Management Support Services	45,000	14,879	30,121	33.1%
12-5017-**-**-**	Legal Fees	1,000	-	1,000	-
12-5027-**-**-**	Insurance - Property/Liability	2,946	2,736	210	92.9%
12-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	-	4,739	0.0%
12-5038-**-**-**	Permits	28,050	33,610	(5,560)	119.8%
12-5039-**-**-**	Membership Dues/Fees	72	-	72	0.0%
12-5705-**-**-**	Monthly Car Allowance	4,200	323	3,877	7.7%
12-6500-**-**-**	IT Allocations in to PC's & Depts.	14,431	10,790	3,641	74.8%
	Total Other Expenses	100,438	62,337	38,101	62.1%
	Total Expenses	274,945	95,003	179,942	34.6%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**-**	Regular Salaries-O&M	1,058,595	874,465	184,130	82.6%
15-5001-**-**-**	Overtime Salaries-O&M	10,849	5,512	5,337	50.8%
15-5306-**-**-**	Scheduled Holiday Work	5,240	3,407	1,834	65.0%
15-5315-**-**-**	Comp Time - O&M	1,578	5,035	(3,457)	319.1%
15-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	569,807	439,681	130,126	77.2%
15-5700-**-**-**	Standby Pay	12,000	15,500	(3,500)	129.2%
	Total Payroll Costs	1,658,069	1,343,600	314,469	81.0%
Other Expenses					
15-5002-**-**-**	Electricity	310,000	338,816	(28,816)	109.3%
15-5003-**-**-**	Natural Gas	3,500	1,876	1,624	53.6%
15-5004-**-**-**	Potable & Reclaimed Water	24,000	18,769	5,231	78.2%
15-5006-**-**-**	Chlorine/Sodium Hypochlorite	117,500	182,441	(64,941)	155.3% (9)
15-5008-**-**-**	Ferric Chloride	160,000	102,456	57,544	64.0%
15-5009-**-**-**	Odor Control Chemicals	70,000	85,328	(15,328)	121.9%
15-5011-**-**-**	Laboratory Services	10,500	7,129	3,371	67.9%
15-5012-**-**-**	Grit Hauling	22,000	18,813	3,187	85.5%
15-5013-**-**-**	Landscaping	64,900	62,835	2,065	96.8%
15-5015-**-**-**	Management Support Services	33,500	10,063	23,437	30.0%
15-5017-**-**-**	Legal Fees	5,000	-	5,000	0.0%
15-5019-**-**-**	Contract Services Misc.	113,300	72,311	40,989	63.8%
15-5021-**-**-**	Small Vehicle Expense - 31A	4,200	7,797	(3,597)	185.6%
15-5022-**-**-**	Miscellaneous Expense	1,000	1,650	(650)	165.0%
15-5023-**-**-**	Office Supplies - All	5,200	5,725	(525)	110.1%
15-5024-**-**-**	Petroleum Products	4,000	2,887	1,113	72.2%
15-5025-**-**-**	Uniforms	10,300	17,061	(6,761)	165.6% (4)
15-5026-**-**-**	Small Vehicle Fuel	2,100	1,249	851	59.5%
15-5027-**-**-**	Insurance - Property/Liability	94,591	87,848	6,743	92.9%
15-5028-**-**-**	Small Tools & Supplies	9,300	10,333	(1,033)	111.1%
15-5030-**-**-**	Trash Disposal	3,000	1,832	1,168	61.1%
15-5031-**-**-**	Safety Supplies	34,124	19,126	14,998	56.0%
15-5032-**-**-**	Equipment Rental	1,000	-	1,000	0.0%
15-5033-**-**-**	Recruitment	300	-	300	0.0%
15-5034-**-**-**	Travel Expense/Tech. Conferences	12,059	4,474	7,585	37.1%
15-5035-**-**-**	Training Expense	21,017	9,506	11,511	45.2%
15-5036-**-**-**	Laboratory Supplies	22,000	26,844	(4,844)	122.0%
15-5037-**-**-**	Office Equipment	3,000	2,286	714	76.2%
15-5038-**-**-**	Permits	3,000	9,289	(6,289)	309.6%
15-5039-**-**-**	Membership Dues/Fees	4,025	2,239	1,786	55.6%
15-5047-**-**-**	Access Road Expenses	45,000	264	44,736	0.6%
15-5048-**-**-**	Storm Damage	20,000	-	20,000	0.0%
15-5050-**-**-**	Contract Services Generators	5,200	4,374	826	84.1%
15-5052-**-**-**	Janitorial Services	15,500	17,888	(2,388)	115.4%
15-5054-**-**-**	Diesel Truck Maint - 31B	1,000	41	959	4.1%
15-5055-**-**-**	Diesel Truck Fuel - 37B	500	3,178	(2,678)	635.5%
15-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	100,000	97,002	2,998	97.0%
15-5058-**-**-**	Maintenance Equip. & Facilities (Common)	24,000	14,198	9,802	59.2%
15-5060-**-**-**	Maintenance Equip. & Facilities (AWT)	30,000	13,562	16,438	45.2%
15-5061-**-**-**	Mileage	500	132	368	26.5%
15-5076-**-**-**	SCADA Infrastructure	31,200	29,716	1,485	95.2%
15-5077-**-**-**	IT Direct	18,000	52,458	(34,458)	291.4% (6)
15-5705-**-**-**	Monthly Car Allowance	4,200	3,715	485	88.5%
15-5791-**-**-**	CTP Annual Bridge Maintenance	-	(8,000)	8,000	0.0% (10)
15-6500-**-**-**	IT Allocations in to PC's & Depts.	134,825	100,801	34,024	74.8%
	Total Other Expenses	1,598,342	1,440,312	158,030	90.1%
	Total Expenses	3,256,411	2,783,911	472,500	85.5%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
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17 - Joint Regional Wastewater Reclamation and Sludge Handling

Salary and Fringe

17-5000-**-**	Regular Salaries-O&M	2,053,997	1,046,205	1,007,792	50.9%
17-5001-**-**	Overtime Salaries-O&M	31,931	18,548	13,383	58.1%
17-5306-**-**	Scheduled Holiday Work	10,152	9,647	505	95.0%
17-5315-**-**	Comp Time - O&M	6,344	4,354	1,991	68.6%
17-5401-**-**	Fringe Benefits IN to PC's & Depts.	1,105,598	526,032	579,567	47.6%
17-5700-**-**	Standby Pay	47,692	25,500	22,192	53.5%
	Total Payroll Costs	3,255,714	1,630,285	1,625,430	50.1%

Other Expenses

17-5002-**-**	Electricity	306,000	270,604	35,396	88.4%
17-5003-**-**	Natural Gas	246,800	99,330	147,470	40.2%
17-5004-**-**	Potable & Reclaimed Water	28,400	11,423	16,977	40.2%
17-5005-**-**	Co-generation Power Credit	(1,367,100)	(491,653)	(875,447)	36.0%
17-5006-**-**	Chlorine/Sodium Hypochlorite	61,800	45,559	16,241	73.7%
17-5007-**-**	Polymer Products	695,500	324,292	371,208	46.6%
17-5008-**-**	Ferric Chloride	522,500	312,085	210,415	59.7%
17-5009-**-**	Odor Control Chemicals	73,700	25,771	47,929	35.0%
17-5010-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
17-5011-**-**	Laboratory Services	28,000	14,677	13,323	52.4%
17-5012-**-**	Grit Hauling - 21A	41,200	18,576	22,624	45.1%
17-5013-**-**	Landscaping	82,400	32,734	49,666	39.7%
17-5015-**-**	Management Support Services	36,100	7,385	28,715	20.5%
17-5017-**-**	Legal Fees	5,000	-	5,000	0.0%
17-5019-**-**	Contract Services Misc.	118,500	75,343	43,157	63.6%
17-5021-**-**	Small Vehicle Expense	8,200	10,231	(2,031)	124.8% (5)
17-5022-**-**	Miscellaneous Expense	5,000	751	4,249	15.0%
17-5023-**-**	Office Supplies - All	13,400	5,870	7,530	43.8%
17-5024-**-**	Petroleum Products	12,400	4,656	7,744	37.6%
17-5025-**-**	Uniforms	33,000	70,098	(37,098)	212.4% (4)
17-5026-**-**	Small Vehicle Fuel	9,000	5,985	3,015	66.5%
17-5027-**-**	Insurance - Property/Liability	252,549	234,545	18,004	92.9%
17-5028-**-**	Small Tools & Supplies	30,900	13,374	17,526	43.3%
17-5030-**-**	Trash Disposal	4,000	700	3,300	17.5%
17-5031-**-**	Safety Supplies	40,212	18,896	21,316	47.0%
17-5032-**-**	Equipment Rental	3,000	6,384	(3,384)	212.8% (1)
17-5033-**-**	Recruitment	1,000	-	1,000	0.0%
17-5034-**-**	Travel Expense/Tech. Conferences	19,379	763	18,616	3.9%
17-5035-**-**	Training Expense	36,267	8,277	27,990	22.8%
17-5036-**-**	Laboratory Supplies	30,000	45,060	(15,061)	150.2%
17-5037-**-**	Office Equipment	10,000	3,576	6,424	35.8%
17-5038-**-**	Permits	18,500	1,238	17,262	6.7%
17-5039-**-**	Membership Dues/Fees	4,025	2,977	1,048	74.0%
17-5049-**-**	Biosolids Disposal	1,067,300	540,068	527,232	50.6%
17-5050-**-**	Contract Services Generators - 29A	8,000	3,287	4,713	0.41
17-5052-**-**	Janitorial Services	38,100	18,390	19,710	48.3%
17-5053-**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%
17-5054-**-**	Diesel Truck Maint	19,600	9,491	10,109	48.4%
17-5055-**-**	Diesel Truck Fuel	8,200	2,817	5,383	34.4%
17-5056-**-**	Maintenance Equip. & Facilities (Solids)	180,300	61,050	119,250	33.9%
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	95,801	104,199	47.9%
17-5058-**-**	Maintenance Equip. & Facilities (Common)	36,000	16,886	19,114	46.9%
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	518,000	316,737	201,263	61.1%
17-5061-**-**	Mileage	1,000	368	632	36.8%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	40,000	32,598	7,402	81.5%
17-5076-**-**-**	SCADA Infrastructure	31,200	-	31,200	0.0%
17-5077-**-**-**	IT Direct	20,000	6,004	13,996	30.0%
17-5105-**-**-**	Co-Generation Power Credit - Offset	1,367,100	491,653	875,447	36.0%
17-5705-**-**-**	Monthly Car Allowance	8,400	4,039	4,361	48.1%
17-6500-**-**-**	IT Allocations in to PC's & Depts.	261,384	195,419	65,965	74.8%
	Total Other Expenses	5,280,217	2,974,116	2,306,101	56.3%
	Total Expenses	8,535,931	4,604,400	3,931,531	53.9%

24 - Aliso Creek Ocean Outfall

Salary and Fringe

24-5000-**-**-**	Regular Salaries-O&M	108,123	84,704	23,419	78.3%
24-5001-**-**-**	Overtime Salaries-O&M	450	506	(55)	112.3%
24-5306-**-**-**	Scheduled Holiday Work	300	-	300	0.0%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	58,199	42,474	15,725	73.0%
	Total Payroll Costs	167,072	127,683	39,389	76.4%

Other Expenses

24-5015-**-**-**	Management Support Services	57,500	75,018	(17,518)	130.5%
24-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
24-5027-**-**-**	Insurance - Property/Liability	29,622	27,511	2,112	92.9%
24-5031-**-**-**	Safety Supplies	1,040	38	1,002	3.7%
24-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	4,213	527	88.9%
24-5035-**-**-**	Training Expense	1,087	557	530	51.3%
24-5036-**-**-**	Laboratory Supplies	27,048	21,954	5,094	81.2%
24-5038-**-**-**	Permits	286,000	250,322	35,678	87.5%
24-5039-**-**-**	Membership Dues/Fees	-	362	(362)	100.0%
24-5044-**-**-**	Offshore Monitoring	41,616	40,634	982	97.6%
24-5045-**-**-**	Offshore Biochemistry - 20B	15,304	8,544	6,760	55.8%
24-5046-**-**-**	Effluent Chemistry	23,408	19,400	4,008	82.9%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	-	1,000	0.0%
24-6500-**-**-**	IT Allocations in to PC's & Depts.	13,775	10,299	3,477	74.8%
	Total Other Expenses	503,140	458,851	44,289	91.2%

Total Expenses

670,212	586,534	83,678	87.5%
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Total O&M Expenses

21,613,791	15,652,163	5,961,628	72.4%
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¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC
For the Period Ended May 31, 2025

- (1) O&M completed several nighttime repairs before the upcoming winter season.
- (2) SDG&E electricity rates increased beyond what was budgeted.
- (3) Usage continues to be elevated due to the septicity of the sewage entering plants that started last year as discussed with the Engineering Committee in 2023.
- (4) SOCWA is working with Cintas to resolve several billing errors and contract closeout charges for RTP.
- (5) Annual charges incurred at the beginning of the fiscal year and the end of the calendar year.
- (6) Unanticipated Aptean Tabware upgrades were required this year.
- (7) Annual increases in lease costs were unknown during the preparation of the budget.
- (8) Shared cost for treatment of South Cove stormwater and urban runoff at JBL.
- (9) Increased bleach AWT usage compared to last fiscal year.
- (10) Shared insurance cost with the County of Orange for joint use of the CTP access road.

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison - Engineering
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	115,868	47,174	68,694	40.7%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	62,368	23,719	38,649	38.0%
	Total Payroll Costs	178,237	70,894	107,343	39.8%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	1,000	477	523	47.7%
01-5023-03-00-00	Office Supplies	100	-	100	0.0%
01-5031-03-00-00	Safety Supplies	100	-	100	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferences	2,500	748	1,752	29.9%
01-5035-03-00-00	Training Expense	1,300	472	828	36.3%
01-5037-03-00-00	Office Equipment	153	-	153	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,150	1,067	83	92.8%
01-5061-03-00-00	Mileage	150	41	109	27.2%
01-5309-03-00-00	Operating Leases	20,000	31,567	(11,567)	157.8%
01-5802-03-00-00	Shipping/Freight	102	-	102	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	22,499	16,821	5,678	74.8%
	Total Other Expenses	49,054	51,194	(2,139)	104.4%
	Total Engineering Expenses	227,291	122,087	105,204	53.7%

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison- Administration
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
01-6000-04-00-00	Regular Salaries-Admin or IT	1,116,326	835,394	280,932	74.8%
01-6001-04-00-00	Overtime Salaries-Admin or IT	7,500	795	6,705	10.6%
01-6315-04-00-00	Comp Time - Admin	2,000	-	2,000	0.0%
01-6318-04-00-00	Severance Costs	-	170,673	(170,673)	100.0% (1)
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	600,881	420,036	180,845	69.9%
	Total Payroll Costs	1,726,707	1,426,898	299,809	82.6%
Other Expenses					
01-6101-04-00-00	HR Recruitment & Employee Relations	32,100	12,706	19,394	39.6%
01-6102-04-00-00	Subscriptions	2,030	9,827	(7,797)	484.1%
01-6103-04-00-00	Contract Labor	35,000	35,302	(302)	100.9%
01-6200-04-00-00	Management Support Services	55,000	80,522	(25,522)	146.4%
01-6201-04-00-00	Audit	40,800	30,220	10,580	74.1%
01-6202-04-00-00	Legal	125,000	249,556	(124,556)	199.6%
01-6203-04-00-00	Outside Services	-	315	(315)	100.0%
01-6204-04-00-00	Postage	1,545	712	833	46.1%
01-6223-04-00-00	Office Supplies - Admin	4,120	962	3,158	23.3%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	8,611	(7,611)	861.1%
01-6234-04-00-00	Memberships & Trainings	107,500	81,722	25,778	76.0%
01-6239-04-00-00	Travel & Conference	25,000	27,304	(2,304)	109.2%
01-6240-04-00-00	Scholarship Sponsorship	1,000	1,000	0	100.0%
01-6241-04-00-00	Education Reimbursement	1,500	560	940	37.3%
01-6310-04-00-00	Miscellaneous	27,000	50,134	(23,134)	185.7%
01-6311-04-00-00	Mileage	800	469	331	58.6%
01-6317-04-00-00	Contract Services Misc	5,800	4,950	850	85.3%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	142,005	106,168	35,837	74.8%
01-6601-04-00-00	Shipping/Freight	2,000	3,029	(1,029)	151.4%
01-6705-04-00-00	Monthly Car Allowance	10,200	11,192	(992)	109.7%
	Total Other Expenses	619,400	715,259	(95,859)	115.5%
Total Admin Expenses		2,346,107	2,142,157	203,951	91.3%

(1) Costs for paid leave and final pay for 3 eliminated positions.

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison-IT
For the Period Ended May 31, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	132,980	122,847	10,132	92.4%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	71,578	61,768	9,811	86.3%
	Total Salary & Fringe	204,558	184,615	19,943	90.3%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	0.0%
01-6101-05-00-00	Recruitment & Employee Relations, IT DEPT	600	-	600	0.0%
01-6234-05-00-00	Memberships & Trainings	5,950	1,339	4,611	22.5%
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	0.0%
01-6300-05-00-00	Software Maintenance Agreements	63,180	15,775	47,405	25.0%
01-6301-05-00-00	Hardware Maintenance Agreements	10,300	2,018	8,282	19.6% (1)
01-6302-05-00-00	Cloud Subscriptions (Internet)	195,018	140,423	54,595	72.0%
01-6303-05-00-00	Telecommunications	163,882	143,961	19,921	87.8% (1)
01-6305-05-00-00	IT Professional Services	106,200	71,395	34,805	67.2%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	28,400	15,274	13,126	53.8%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	31,000	32,881	(1,881)	106.1%
01-6308-05-00-00	IT Memberships	160	-	160	0.0%
01-6309-05-00-00	Operating Leases	64,173	57,057	7,116	88.9%
01-6310-05-00-00	Miscellaneous	5,000	386	4,614	7.7%
01-6312-05-00-00	Computer & Photocopy Supplies	3,264	559	2,705	0.0%
	Total Other Expenses	682,627	481,068	201,559	70.5%
Total Expenses before Allocation		887,185	665,683	221,502	75.0%

(1) Annual charges incurred at the beginning of the Fiscal Year.

**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended June 30, 2025
(in dollars)**

FY 2024-25 Budget vs. Actual Spending				
Description	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended
PC 2-JB Latham	\$ 5,092,547	\$ 851,367	\$ 4,241,180	16.7%
PC 5-San Juan Creek Outfall	-	34,921	(34,921)	-
PC 15-Coastal	2,025,000	2,317,111	(292,111)	114.4%
PC 17-Regional	1,114,393	521,406	592,987	46.8%
PC 21 Effluent Transmission	96,632	34,524	62,108	35.7%
PC 24 Aliso Creek Outfall	45,000	16,697	28,303	37.1%
Total Large Capital	\$ 8,373,572	\$ 3,776,027	\$ 4,597,545	45.1%
Non-Capital Engineering	302,000	104,754	197,246	34.7%
Non-Capital Misc Engineering	-	-	-	-
Small Internal Capital	2,061,000	1,551,771	509,229	75.3%
Total Capital	\$ 10,736,572	\$ 5,432,552	\$ 5,304,020	50.6%

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe						
_5000--***	Regular Salaries-O&M	5,706,265	4,329,944	1,376,321	75.9%	
_5001--***	Overtime Salaries-O&M	65,000	69,131	(4,131)	106.4%	(1)
_5306--***	Scheduled Holiday Work	30,000	29,867	133	99.6%	
_5315--***	Comp Time - O&M	15,000	37,225	(22,225)	248.2%	(1)
_5401--***	Fringe Benefits IN to PC's & Depts.	3,071,493	2,177,096	894,397	70.9%	
_5700--***	Standby Pay	99,992	99,500	492	99.5%	
	Total Payroll Costs	8,987,750	6,742,763	2,244,987	75.0%	
Other Expenses						
_5002--***	Electricity	1,299,100	1,455,686	(156,586)	112.1%	(2)
_5003--***	Natural Gas	509,860	257,356	252,504	50.5%	
_5004--***	Potable & Reclaimed Water	79,400	58,837	20,563	74.1%	
_5005--***	Co-generation Power Credit	(1,367,100)	(491,653)	(875,447)	36.0%	
_5006--***	Chlorine/Sodium Hypochlorite	219,300	340,218	(120,918)	155.1%	(3)
_5007--***	Polymer Products	1,153,500	766,988	386,512	66.5%	
_5008--***	Ferric Chloride	982,500	877,374	105,126	89.3%	
_5009--***	Odor Control Chemicals	181,700	160,777	20,923	88.5%	
_5010--***	Other Chemicals - Misc.	2,000	2,186	(186)	109.3%	
_5011--***	Laboratory Services	62,128	32,138	29,990	51.7%	
_5012--***	Grit Hauling	135,800	130,433	5,367	96.0%	
_5013--***	Landscaping	217,300	178,642	38,658	82.2%	
_5015--***	Management Support Services	285,550	184,165	101,385	64.5%	
_5016--***	Audit - Environmental	1,324	-	1,324	0.0%	
_5017--***	Legal Fees	19,000	1,178	17,822	6.2%	
_5018--***	Public Notices/ Public Relations	1,550	-	1,550	0.0%	
_5019--***	Contract Services Misc.	364,700	269,128	95,572	73.8%	
_5021--***	Small Vehicle Expense	24,548	33,327	(8,778)	135.8%	
_5022--***	Miscellaneous Expense	16,068	8,978	7,090	55.9%	
_5023--***	Office Supplies - All	49,500	29,117	20,383	58.8%	
_5024--***	Petroleum Products	28,400	8,125	20,275	28.6%	
_5025--***	Uniforms	80,400	122,093	(41,693)	151.9%	(4)
_5026--***	Small Vehicle Fuel	20,404	14,511	5,893	71.1%	
_5027--***	Insurance - Property/Liability	638,224	592,814	45,411	92.9%	
_5028--***	Small Tools & Supplies	80,052	35,170	44,882	43.9%	
_5030--***	Trash Disposal	10,000	6,737	3,263	67.4%	
_5031--***	Safety Program & Supplies	117,252	81,294	35,958	69.3%	
_5032--***	Equipment Rental	7,000	9,637	(2,637)	137.7%	
_5033--***	Recruitment	2,300	-	2,300	0.0%	
_5034--***	Travel Expense/Tech. Conferences	69,775	35,865	33,910	51.4%	
_5035--***	Training Expense	87,050	66,104	20,946	75.9%	
_5036--***	Laboratory Supplies	140,048	143,854	(3,806)	102.7%	
_5037--***	Office Equipment	27,000	11,421	15,579	42.3%	
_5038--***	Permits	698,551	658,474	40,077	94.3%	
_5039--***	Membership Dues/Fees	12,647	12,988	(341)	102.7%	
_5044--***	Offshore Monitoring	60,116	82,269	(22,153)	136.9%	
_5045--***	Offshore Biochemistry - 20B	22,854	17,946	4,908	78.5%	
_5046--***	Effluent Chemistry	51,908	57,914	(6,006)	111.6%	
_5047--***	Access Road Expenses	45,000	264	44,736	0.6%	
_5048--***	Storm Damage	20,000	-	20,000	0.0%	

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
5049--**-**	Biosolids Disposal	1,854,800	1,063,726	791,074	57.3%	
5050--**-**	Contract Services Generators - 29A	23,200	21,165	2,035	91.2%	
5052--**-**	Janitorial Services	97,900	80,980	16,920	82.7%	
5053--**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%	
5054--**-**	Diesel Truck Maint	44,300	34,049	10,251	76.9%	
5055--**-**	Diesel Truck Fuel	12,100	9,168	2,932	75.8%	
5056--**-**	Maintenance Equip. & Facilities (Solids)	305,300	196,960	108,340	64.5%	
5057--**-**	Maintenance Equip. & Facilities (Liquids)	500,000	386,110	113,890	77.2%	
5058--**-**	Maintenance Equip. & Facilities (Common)	92,000	61,543	30,457	66.9%	
5059--**-**	Maintenance Equip. & Facilities (Co-Gen)	826,000	596,176	229,824	72.2%	
5060--**-**	Maintenance Equip. & Facilities (AWT)	30,000	13,562	16,438	45.2%	
5061--**-**	Mileage	2,950	2,198	752	74.5%	
5068--**-**	MNWD Potable Water Supplies & Svcs.	40,000	32,950	7,051	82.4%	
5076--**-**	SCADA Infrastructure	93,600	60,421	33,179	64.6%	
5077--**-**	IT Direct	58,000	111,610	(53,610)	192.4%	(5)
5105--**-**	Co-Generation Power Credit - Offset	1,367,100	491,653	875,447	36.0%	
5309--**-**	Operating Leases	20,000	20,123	(123)	100.6%	(6)
5705--**-**	Monthly Car Allowance	25,200	24,254	946	96.2%	
5791--**-**	CTP Access Road Insurance Cost Share	-	(8,000)	8,000	0.0%	(7)
5799--**-**	Stormwater Station Costs Share-O&M	(14,000)	(14,000)	-	100.0%	(8)
6500--**-**	IT Allocations in to PC's & Depts.	725,880	594,493	131,387	81.9%	
	Total Other Expenses	12,626,041	10,031,496	2,594,546	79.5%	
Total O&M Expenses		21,613,791	16,774,258	4,839,533	77.6%	

¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

- (1) O&M completed several nighttime repairs before the winter season started.
- (2) SDG&E electricity rates increased beyond what was budgeted.
- (3) Increased bleach AWT at CTP usage compared to last fiscal year and continued septicity issues at JBL.
- (4) SOCWA is working with Cintas to resolve several billing errors and contract closeout charges for RTP.
- (5) Unanticipated Aptean Tabware upgrades were required this year.
- (6) Annual increases in lease costs were unknown during the preparation of the budget.
- (7) Shared insurance cost with the County of Orange for joint use of the CTP access road.
- (8) Shared cost for treatment of South Cove stormwater and urban runoff at JBL.

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant		7,838,158	7,482,866	355,292	95.5%
05 - San Juan Creek Ocean Outfall		693,802	632,701	61,101	91.2%
08 - Pre Treatment		344,331	214,650	129,681	62.3%
12 - Water Reclamation Permits		274,945	98,262	176,684	35.7%
15 - Coastal Treatment Plant		3,256,411	3,070,489	185,922	94.3%
17 - Joint Regional Wastewater Reclamation and Sludge Handling		8,535,931	4,667,511	3,868,420	54.7%
24 - Aliso Creek Ocean Outfall		670,212	607,780	62,432	90.7%
Total		21,613,791	16,774,258	4,839,533	77.6%

02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**-**	Regular Salaries-O&M	2,090,768	1,941,902	148,866	92.9%
02-5001-**-**-**	Overtime Salaries-O&M	21,693	43,414	(21,721)	200.1% (1)
02-5306-**-**-**	Scheduled Holiday Work	13,820	16,567	(2,747)	119.9%
02-5315-**-**-**	Comp Time - O&M	7,078	25,702	(18,624)	363.1% (1)
02-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,125,391	976,389	149,003	86.8%
02-5700-**-**-**	Standby Pay	40,300	58,500	(18,200)	145.2%
	Total Payroll Costs	3,299,050	3,062,475	236,576	92.8%
Other Expenses					
02-5002-**-**-**	Electricity	683,100	814,797	(131,697)	119.3% (2)
02-5003-**-**-**	Natural Gas	259,560	156,118	103,442	60.1%
02-5004-**-**-**	Potable & Reclaimed Water	27,000	26,845	155	99.4%
02-5006-**-**-**	Chlorine/Sodium Hypochlorite	40,000	93,682	(53,682)	234.2% (3)
02-5007-**-**-**	Polymer Products	458,000	442,696	15,304	96.7%
02-5008-**-**-**	Ferric Chloride	300,000	449,373	(149,373)	149.8% (3)
02-5009-**-**-**	Odor Control Chemicals	38,000	43,205	(5,205)	113.7%
02-5010-**-**-**	Other Chemicals - Misc.	1,000	2,186	(1,186)	218.6%
02-5011-**-**-**	Laboratory Services	20,508	7,862	12,646	38.3%
02-5012-**-**-**	Grit Hauling	72,600	89,276	(16,676)	123.0%
02-5013-**-**-**	Landscaping	70,000	75,297	(5,297)	107.6%
02-5015-**-**-**	Management Support Services	35,950	44,637	(8,687)	124.2%
02-5017-**-**-**	Legal Fees	5,000	570	4,430	11.4%
02-5019-**-**-**	Contract Services Misc.	132,900	116,666	16,235	87.8%
02-5021-**-**-**	Small Vehicle Expense	11,000	15,153	(4,153)	137.8%
02-5022-**-**-**	Miscellaneous Expense	8,000	6,577	1,423	82.2%
02-5023-**-**-**	Office Supplies - All	30,900	16,673	14,227	54.0%
02-5024-**-**-**	Petroleum Products	12,000	582	11,418	4.8%
02-5025-**-**-**	Uniforms	37,100	42,335	(5,235)	114.1% (4)
02-5026-**-**-**	Small Vehicle Fuel	8,000	6,738	1,262	84.2%
02-5027-**-**-**	Insurance - Property/Liability	224,629	208,703	15,927	92.9%
02-5028-**-**-**	Small Tools & Supplies	36,100	10,167	25,933	28.2%
02-5030-**-**-**	Trash Disposal	3,000	4,039	(1,039)	134.6%
02-5031-**-**-**	Safety Program & Supplies	40,840	40,478	362	99.1%
02-5032-**-**-**	Equipment Rental	3,000	3,253	(253)	108.4%
02-5033-**-**-**	Recruitment	1,000	-	1,000	0.0%
02-5034-**-**-**	Travel Expense/Tech. Conferences	19,379	19,203	176	99.1%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02-5035-**-**-**	Training Expense	25,592	40,618	(15,026)	158.7%
02-5036-**-**-**	Laboratory Supplies	21,000	21,860	(860)	104.1%
02-5037-**-**-**	Office Equipment	14,000	5,559	8,441	39.7%
02-5038-**-**-**	Permits	29,735	51,299	(21,564)	172.5% (5)
02-5039-**-**-**	Membership Dues/Fees	4,025	6,119	(2,094)	152.0%
02-5049-**-**-**	Biosolids Disposal	787,500	523,659	263,841	66.5%
02-5050-**-**-**	Contract Services Generators - 29A	10,000	13,504	(3,504)	135.0%
02-5052-**-**-**	Janitorial Services	44,300	43,189	1,111	97.5%
02-5054-**-**-**	Diesel Truck Maint	23,700	24,313	(613)	102.6%
02-5055-**-**-**	Diesel Truck Fuel	3,400	3,174	226	93.3%
02-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	125,000	135,910	(10,910)	108.7%
02-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	180,239	19,761	90.1%
02-5058-**-**-**	Maintenance Equip. & Facilities (Common)	30,000	28,497	1,503	95.0%
02-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	308,000	279,440	28,561	90.7%
02-5061-**-**-**	Mileage	1,450	1,697	(247)	117.1%
02-5076-**-**-**	SCADA Infrastructure	31,200	30,706	495	98.4%
02-5077-**-**-**	IT Direct	20,000	52,817	(32,817)	264.1% (6)
02-5309-**-**-**	Operating Leases	20,000	20,123	(123)	100.6% (7)
02-5705-**-**-**	Monthly Car Allowance	8,400	15,692	(7,292)	186.8%
02-5799-**-**-**	Stormwater Station Costs Share-O&M	(14,000)	(14,000)	-	100.0% (8)
02-6500-**-**-**	IT Allocations in to PC's & Depts.	267,238	218,868	48,370	81.9%
	Total Other Expenses	4,539,107	4,420,391	118,716	97.4%
	Total Expenses	7,838,158	7,482,866	355,292	95.5%

05 - San Juan Creek Ocean Outfall

Salary and Fringe

05-5000-**-**-**	Regular Salaries-O&M	104,602	91,040	13,562	87.0%
05-5001-**-**-**	Overtime Salaries-O&M	76	878	(802)	1154.9%
05-5306-**-**-**	Scheduled Holiday Work	488	-	488	0.0%
05-5315-**-**-**	Comp Time - O&M	-	794	(794)	100.0%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	56,304	45,775	10,529	81.3%
	Total Payroll Costs	161,470	138,488	22,982	85.8%

Other Expenses

05-5015-**-**-**	Management Support Services	57,500	30,771	26,729	53.5%
05-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
05-5027-**-**-**	Insurance - Property/Liability	25,347	23,540	1,807	92.9%
05-5031-**-**-**	Safety Supplies	1,036	38	998	3.7%
05-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	3,868	871	81.6%
05-5035-**-**-**	Training Expense	1,087	504	583	46.4%
05-5036-**-**-**	Laboratory Supplies	40,000	23,322	16,678	58.3%
05-5038-**-**-**	Permits	332,746	312,715	20,031	94.0%
05-5039-**-**-**	Memberships Dues/Fees	-	458	(458)	100.0%
05-5044-**-**-**	Offshore Monitoring	18,500	41,634	(23,134)	225.1%
05-5045-**-**-**	Offshore Biochemistry - 20B	7,550	8,426	(876)	111.6%
05-5046-**-**-**	Effluent Chemistry	28,500	37,477	(8,977)	131.5%
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	546	454	54.6%
05-6500-**-**-**	IT Allocations in to PC's & Depts.	13,327	10,913	2,414	81.9%
	Total Other Expenses	532,332	494,213	38,119	92.8%
	Total Expenses	693,802	632,701	61,101	91.2%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	176,735	120,541	56,195	68.2%
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	95,131	60,608	34,523	63.7%
	Total Payroll Costs	271,866	181,149	90,718	66.6%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,120	1,610	1,510	51.6%
08-5015-**-**-**	Management Support Services	20,000	-	20,000	0.0%
08-5016-**-**-**	Audit - Environmental	1,324	-	1,324	0.0%
08-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
08-5018-**-**-**	Public Notices/ Public Relations	1,550	-	1,550	0.0%
08-5021-**-**-**	Small Vehicle Expense - 31A	1,148	-	1,148	0.0%
08-5022-**-**-**	Miscellaneous Expense	2,068	-	2,068	0.0%
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,304	-	1,304	0.0%
08-5027-**-**-**	Insurance - Property/Liability	8,540	7,931	609	92.9%
08-5028-**-**-**	Small Tools & Supplies	3,752	760	2,992	20.3%
08-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	3,324	1,415	70.1%
08-5035-**-**-**	Training Expense	2,000	2,238	(238)	0.0%
08-5038-**-**-**	Permits and Fines	520	-	520	0.0%
08-5039-**-**-**	Membership Dues/Fees	500	522	(22)	104.4%
08-6500-**-**-**	IT Allocations in to PC's & Depts.	20,900	17,116	3,784	81.9%
	Total Other Expenses	72,465	33,501	38,964	46.2%
	Total Expenses	344,331	214,650	129,681	62.3%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	113,444	23,220	90,225	20.5%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	61,063	11,675	49,388	19.1%
	Total Payroll Costs	174,507	34,894	139,613	20.0%
Other Expenses					
12-5015-**-**-**	Management Support Services	45,000	14,879	30,121	33.1%
12-5017-**-**-**	Legal Fees	1,000	-	1,000	-
12-5027-**-**-**	Insurance - Property/Liability	2,946	2,736	210	92.9%
12-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	-	4,739	0.0%
12-5038-**-**-**	Permits	28,050	33,610	(5,560)	119.8%
12-5039-**-**-**	Membership Dues/Fees	72	-	72	0.0%
12-5705-**-**-**	Monthly Car Allowance	4,200	323	3,877	7.7%
12-6500-**-**-**	IT Allocations in to PC's & Depts.	14,431	11,819	2,612	81.9%
	Total Other Expenses	100,438	63,367	37,071	63.1%
	Total Expenses	274,945	98,262	176,684	35.7%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**-**	Regular Salaries-O&M	1,058,595	982,825	75,770	92.8%
15-5001-**-**-**	Overtime Salaries-O&M	10,849	5,867	4,982	54.1%
15-5306-**-**-**	Scheduled Holiday Work	5,240	3,653	1,587	69.7%
15-5315-**-**-**	Comp Time - O&M	1,578	6,375	(4,797)	404.0%
15-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	569,807	494,164	75,642	86.7%
15-5700-**-**-**	Standby Pay	12,000	15,500	(3,500)	129.2%
	Total Payroll Costs	1,658,069	1,508,385	149,685	91.0%
Other Expenses					
15-5002-**-**-**	Electricity	310,000	370,285	(60,285)	119.4%
15-5003-**-**-**	Natural Gas	3,500	1,907	1,593	54.5%
15-5004-**-**-**	Potable & Reclaimed Water	24,000	20,570	3,430	85.7%
15-5006-**-**-**	Chlorine/Sodium Hypochlorite	117,500	200,978	(83,478)	171.0% (9)
15-5008-**-**-**	Ferric Chloride	160,000	115,915	44,085	72.4%
15-5009-**-**-**	Odor Control Chemicals	70,000	91,801	(21,801)	131.1%
15-5011-**-**-**	Laboratory Services	10,500	7,549	2,951	71.9%
15-5012-**-**-**	Grit Hauling	22,000	22,582	(582)	102.6%
15-5013-**-**-**	Landscaping	64,900	70,612	(5,712)	108.8%
15-5015-**-**-**	Management Support Services	33,500	10,718	22,782	32.0%
15-5017-**-**-**	Legal Fees	5,000	608	4,392	12.2%
15-5019-**-**-**	Contract Services Misc.	113,300	76,960	36,340	67.9%
15-5021-**-**-**	Small Vehicle Expense - 31A	4,200	7,909	(3,709)	188.3%
15-5022-**-**-**	Miscellaneous Expense	1,000	1,650	(650)	165.0%
15-5023-**-**-**	Office Supplies - All	5,200	6,574	(1,374)	126.4%
15-5024-**-**-**	Petroleum Products	4,000	2,887	1,113	72.2%
15-5025-**-**-**	Uniforms	10,300	13,317	(3,017)	129.3% (4)
15-5026-**-**-**	Small Vehicle Fuel	2,100	1,509	591	71.9%
15-5027-**-**-**	Insurance - Property/Liability	94,591	87,848	6,743	92.9%
15-5028-**-**-**	Small Tools & Supplies	9,300	10,869	(1,569)	116.9%
15-5030-**-**-**	Trash Disposal	3,000	1,999	1,001	66.6%
15-5031-**-**-**	Safety Supplies	34,124	21,717	12,407	63.6%
15-5032-**-**-**	Equipment Rental	1,000	-	1,000	0.0%
15-5033-**-**-**	Recruitment	300	-	300	0.0%
15-5034-**-**-**	Travel Expense/Tech. Conferences	12,059	4,484	7,575	37.2%
15-5035-**-**-**	Training Expense	21,017	13,799	7,218	65.7%
15-5036-**-**-**	Laboratory Supplies	22,000	27,124	(5,124)	123.3%
15-5037-**-**-**	Office Equipment	3,000	2,286	714	76.2%
15-5038-**-**-**	Permits	3,000	9,289	(6,289)	309.6%
15-5039-**-**-**	Membership Dues/Fees	4,025	2,395	1,630	59.5%
15-5047-**-**-**	Access Road Expenses	45,000	264	44,736	0.6%
15-5048-**-**-**	Storm Damage	20,000	-	20,000	0.0%
15-5050-**-**-**	Contract Services Generators	5,200	4,374	826	84.1%
15-5052-**-**-**	Janitorial Services	15,500	19,401	(3,901)	125.2%
15-5054-**-**-**	Diesel Truck Maint - 31B	1,000	245	755	24.5%
15-5055-**-**-**	Diesel Truck Fuel - 37B	500	3,178	(2,678)	635.5%
15-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	100,000	110,070	(10,070)	110.1%
15-5058-**-**-**	Maintenance Equip. & Facilities (Common)	24,000	15,614	8,386	65.1%
15-5060-**-**-**	Maintenance Equip. & Facilities (AWT)	30,000	13,562	16,438	45.2%
15-5061-**-**-**	Mileage	500	132	368	26.5%
15-5076-**-**-**	SCADA Infrastructure	31,200	29,716	1,485	95.2%
15-5077-**-**-**	IT Direct	18,000	52,789	(34,789)	293.3% (6)
15-5705-**-**-**	Monthly Car Allowance	4,200	4,200	(0)	100.0%
15-5791-**-**-**	CTP Annual Bridge Maintenance	-	(8,000)	8,000	0.0% (10)
15-6500-**-**-**	IT Allocations in to PC's & Depts.	134,825	110,422	24,402	81.9%
	Total Other Expenses	1,598,342	1,562,104	36,238	97.7%
	Total Expenses	3,256,411	3,070,489	185,922	94.3%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
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17 - Joint Regional Wastewater Reclamation and Sludge Handling

Salary and Fringe

17-5000-**-**	Regular Salaries-O&M	2,053,997	1,074,918	979,079	52.3%
17-5001-**-**	Overtime Salaries-O&M	31,931	18,582	13,349	58.2%
17-5306-**-**	Scheduled Holiday Work	10,152	9,647	505	95.0%
17-5315-**-**	Comp Time - O&M	6,344	4,354	1,991	68.6%
17-5401-**-**	Fringe Benefits IN to PC's & Depts.	1,105,598	540,469	565,130	48.9%
17-5700-**-**	Standby Pay	47,692	25,500	22,192	53.5%
	Total Payroll Costs	3,255,714	1,673,469	1,582,246	51.4%

Other Expenses

17-5002-**-**	Electricity	306,000	270,604	35,396	88.4%
17-5003-**-**	Natural Gas	246,800	99,330	147,470	40.2%
17-5004-**-**	Potable & Reclaimed Water	28,400	11,423	16,977	40.2%
17-5005-**-**	Co-generation Power Credit	(1,367,100)	(491,653)	(875,447)	36.0%
17-5006-**-**	Chlorine/Sodium Hypochlorite	61,800	45,559	16,241	73.7%
17-5007-**-**	Polymer Products	695,500	324,292	371,208	46.6%
17-5008-**-**	Ferric Chloride	522,500	312,085	210,415	59.7%
17-5009-**-**	Odor Control Chemicals	73,700	25,771	47,929	35.0%
17-5010-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
17-5011-**-**	Laboratory Services	28,000	15,117	12,883	54.0%
17-5012-**-**	Grit Hauling - 21A	41,200	18,576	22,624	45.1%
17-5013-**-**	Landscaping	82,400	32,734	49,666	39.7%
17-5015-**-**	Management Support Services	36,100	7,807	28,293	21.6%
17-5017-**-**	Legal Fees	5,000	-	5,000	0.0%
17-5019-**-**	Contract Services Misc.	118,500	75,502	42,998	63.7%
17-5021-**-**	Small Vehicle Expense	8,200	10,265	(2,065)	125.2% (5)
17-5022-**-**	Miscellaneous Expense	5,000	751	4,249	15.0%
17-5023-**-**	Office Supplies - All	13,400	5,870	7,530	43.8%
17-5024-**-**	Petroleum Products	12,400	4,656	7,744	37.6%
17-5025-**-**	Uniforms	33,000	66,441	(33,441)	201.3% (4)
17-5026-**-**	Small Vehicle Fuel	9,000	6,264	2,736	69.6%
17-5027-**-**	Insurance - Property/Liability	252,549	234,545	18,004	92.9%
17-5028-**-**	Small Tools & Supplies	30,900	13,374	17,526	43.3%
17-5030-**-**	Trash Disposal	4,000	700	3,300	17.5%
17-5031-**-**	Safety Supplies	40,212	18,996	21,216	47.2%
17-5032-**-**	Equipment Rental	3,000	6,384	(3,384)	212.8% (1)
17-5033-**-**	Recruitment	1,000	-	1,000	0.0%
17-5034-**-**	Travel Expense/Tech. Conferences	19,379	763	18,616	3.9%
17-5035-**-**	Training Expense	36,267	8,303	27,964	22.9%
17-5036-**-**	Laboratory Supplies	30,000	48,180	(18,180)	160.6%
17-5037-**-**	Office Equipment	10,000	3,576	6,424	35.8%
17-5038-**-**	Permits	18,500	1,238	17,262	6.7%
17-5039-**-**	Membership Dues/Fees	4,025	2,977	1,048	74.0%
17-5049-**-**	Biosolids Disposal	1,067,300	540,068	527,232	50.6%
17-5050-**-**	Contract Services Generators - 29A	8,000	3,287	4,713	0.41
17-5052-**-**	Janitorial Services	38,100	18,390	19,710	48.3%
17-5053-**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%
17-5054-**-**	Diesel Truck Maint	19,600	9,491	10,109	48.4%
17-5055-**-**	Diesel Truck Fuel	8,200	2,817	5,383	34.4%
17-5056-**-**	Maintenance Equip. & Facilities (Solids)	180,300	61,050	119,250	33.9%
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	95,801	104,199	47.9%
17-5058-**-**	Maintenance Equip. & Facilities (Common)	36,000	16,886	19,114	46.9%
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	518,000	316,737	201,263	61.1%
17-5061-**-**	Mileage	1,000	368	632	36.8%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	40,000	32,950	7,051	82.4%
17-5076-**-**-**	SCADA Infrastructure	31,200	-	31,200	0.0%
17-5077-**-**-**	IT Direct	20,000	6,004	13,996	30.0%
17-5105-**-**-**	Co-Generation Power Credit - Offset	1,367,100	491,653	875,447	36.0%
17-5705-**-**-**	Monthly Car Allowance	8,400	4,039	4,361	48.1%
17-6500-**-**-**	IT Allocations in to PC's & Depts.	261,384	214,072	47,312	81.9%
	Total Other Expenses	5,280,217	2,994,042	2,286,175	56.7%
	Total Expenses	8,535,931	4,667,511	3,868,420	54.7%

24 - Aliso Creek Ocean Outfall

Salary and Fringe

24-5000-**-**-**	Regular Salaries-O&M	108,123	95,498	12,625	88.3%
24-5001-**-**-**	Overtime Salaries-O&M	450	506	(55)	112.3%
24-5306-**-**-**	Scheduled Holiday Work	300	-	300	0.0%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	58,199	47,900	10,299	82.3%
	Total Payroll Costs	167,072	143,904	23,168	86.1%

Other Expenses

24-5015-**-**-**	Management Support Services	57,500	75,353	(17,853)	131.0%
24-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
24-5027-**-**-**	Insurance - Property/Liability	29,622	27,511	2,112	92.9%
24-5031-**-**-**	Safety Supplies	1,040	65	975	6.2%
24-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	4,223	517	89.1%
24-5035-**-**-**	Training Expense	1,087	642	445	59.1%
24-5036-**-**-**	Laboratory Supplies	27,048	23,369	3,679	86.4%
24-5038-**-**-**	Permits	286,000	250,322	35,678	87.5%
24-5039-**-**-**	Membership Dues/Fees	-	517	(517)	100.0%
24-5044-**-**-**	Offshore Monitoring	41,616	40,634	982	97.6%
24-5045-**-**-**	Offshore Biochemistry - 20B	15,304	9,521	5,783	62.2%
24-5046-**-**-**	Effluent Chemistry	23,408	20,437	2,971	87.3%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	-	1,000	0.0%
24-6500-**-**-**	IT Allocations in to PC's & Depts.	13,775	11,282	2,494	81.9%
	Total Other Expenses	503,140	463,876	39,264	92.2%

Total Expenses	670,212	607,780	62,432	90.7%
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Total O&M Expenses

21,613,791	16,774,258	4,839,533	77.6%
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¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2025

- (1) O&M completed several nighttime repairs before the upcoming winter season.
- (2) SDG&E electricity rates increased beyond what was budgeted.
- (3) Usage continues to be elevated due to the septicity of the sewage entering plants that started last year as discussed with the Engineering Committee in 2023.
- (4) SOCWA is working with Cintas to resolve several billing errors and contract closeout charges for RTP.
- (5) Annual charges incurred at the beginning of the fiscal year and the end of the calendar year.
- (6) Unanticipated Aptean Tabware upgrades were required this year.
- (7) Annual increases in lease costs were unknown during the preparation of the budget.
- (8) Shared cost for treatment of South Cove stormwater and urban runoff at JBL.
- (9) Increased bleach AWT usage compared to last fiscal year.
- (10) Shared insurance cost with the County of Orange for joint use of the CTP access road.

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison - Engineering
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	115,868	52,199	63,669	45.1%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	62,368	26,245	36,123	42.1%
	Total Payroll Costs	178,237	78,444	99,792	44.0%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	1,000	477	523	47.7%
01-5023-03-00-00	Office Supplies	100	-	100	0.0%
01-5031-03-00-00	Safety Supplies	100	-	100	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferences	2,500	2,124	376	85.0%
01-5035-03-00-00	Training Expense	1,300	472	828	36.3%
01-5037-03-00-00	Office Equipment	153	-	153	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,150	1,128	22	98.1%
01-5061-03-00-00	Mileage	150	41	109	27.2%
01-5309-03-00-00	Operating Leases	20,000	35,550	(15,550)	177.8%
01-5802-03-00-00	Shipping/Freight	102	-	102	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	22,499	18,427	4,072	81.9%
	Total Other Expenses	49,054	58,220	(9,166)	118.7%
	Total Engineering Expenses	227,291	136,664	90,627	60.1%

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison- Administration
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
01-6000-04-00-00	Regular Salaries-Admin or IT	1,116,326	916,435	199,891	82.1%
01-6001-04-00-00	Overtime Salaries-Admin or IT	7,500	795	6,705	10.6%
01-6315-04-00-00	Comp Time - Admin	2,000	-	2,000	0.0%
01-6318-04-00-00	Severance Costs	-	170,673	(170,673)	100.0% (1)
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	600,881	460,783	140,098	76.7%
	Total Payroll Costs	1,726,707	1,548,686	178,021	89.7%
Other Expenses					
01-6101-04-00-00	HR Recruitment & Employee Relations	32,100	14,264	17,836	44.4%
01-6102-04-00-00	Subscriptions	2,030	10,048	(8,018)	495.0%
01-6103-04-00-00	Contract Labor	35,000	36,173	(1,173)	103.4%
01-6200-04-00-00	Management Support Services	55,000	91,724	(36,724)	166.8%
01-6201-04-00-00	Audit	40,800	30,220	10,580	74.1%
01-6202-04-00-00	Legal	125,000	267,835	(142,835)	214.3%
01-6203-04-00-00	Outside Services	-	315	(315)	100.0%
01-6204-04-00-00	Postage	1,545	712	833	46.1%
01-6223-04-00-00	Office Supplies - Admin	4,120	962	3,158	23.3%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	8,611	(7,611)	861.1%
01-6234-04-00-00	Memberships & Trainings	107,500	81,722	25,778	76.0%
01-6239-04-00-00	Travel & Conference	25,000	29,562	(4,562)	118.2%
01-6240-04-00-00	Scholarship Sponsorship	1,000	1,000	0	100.0%
01-6241-04-00-00	Education Reimbursement	1,500	560	940	37.3%
01-6310-04-00-00	Miscellaneous	27,000	50,631	(23,631)	187.5%
01-6311-04-00-00	Mileage	800	526	274	65.8%
01-6317-04-00-00	Contract Services Misc	5,800	5,400	400	93.1%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	142,005	116,302	25,703	81.9%
01-6601-04-00-00	Shipping/Freight	2,000	3,304	(1,304)	165.2%
01-6705-04-00-00	Monthly Car Allowance	10,200	13,546	(3,346)	132.8%
	Total Other Expenses	619,400	763,416	(144,016)	123.3%
	Total Admin Expenses	2,346,107	2,312,102	34,005	98.6%

(1) Costs for paid leave and final pay for 3 eliminated positions.

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison-IT
For the Period Ended June 30, 2025
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	132,980	136,899	(3,920)	102.9%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	71,578	68,833	2,745	96.2%
	Total Salary & Fringe	204,558	205,733	(1,175)	100.6%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	0.0%
01-6101-05-00-00	Recruitment & Employee Relations, IT DEPT	600	-	600	0.0%
01-6234-05-00-00	Memberships & Trainings	5,950	1,339	4,611	22.5%
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	0.0%
01-6300-05-00-00	Software Maintenance Agreements	63,180	15,775	47,405	25.0%
01-6301-05-00-00	Hardware Maintenance Agreements	10,300	11,945	(1,645)	116.0% (1)
01-6302-05-00-00	Cloud Subscriptions (Internet)	195,018	148,627	46,391	76.2%
01-6303-05-00-00	Telecommunications	163,882	155,903	7,979	95.1% (1)
01-6305-05-00-00	IT Professional Services	106,200	79,158	27,042	74.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	28,400	15,317	13,083	53.9%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	31,000	33,001	(2,001)	106.5%
01-6308-05-00-00	IT Memberships	160	-	160	0.0%
01-6309-05-00-00	Operating Leases	64,173	61,479	2,694	95.8%
01-6310-05-00-00	Miscellaneous	5,000	386	4,614	7.7%
01-6312-05-00-00	Computer & Photocopy Supplies	3,264	559	2,705	0.0%
	Total Other Expenses	682,627	523,490	159,137	76.7%
Total Expenses before Allocation		887,185	729,223	157,962	82.2%

(1) Annual charges incurred at the beginning of the Fiscal Year.

Agenda Item

5.E.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors
FROM: Jim Burror, Deputy General Manager/Chief Engineer
SUBJECT: July 2025 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

A six (6) 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 July 2025

Excursion, Complaint, and Violation Events

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

Plant Wastewater Characteristics

Key Parameters	CTP	JBL TP1	JBL TP2	Total
Influent (mgd) (1)	2.57	7.31	1.05	10.92
Effluent (mgd)	2.20	7.31	2.59	12.09
Peak Flow (mgd)	10.35	9.35	5.17	24.87
Influent BOD (mg/l)	233	317	362	
Influent TSS (mg/l)	326	476	322	
Effluent BOD (mg/l)	5.4	7.4	6.6	
Effluent TSS (mg/l)	8.7	8.0	8.7	
Effluent Turbidity (NTU)	2.5	4.5	3.9	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	JBL	Totals
Average Flow (mgd)	1.07		1.07
Days of Operation (days)	31		
Total Flow (million gallons)	33.10		33.10
Plant Irrigation (million gallons)	0.10	0.29	0.39
AWT Time Online (%)	97.9		

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 July 2025 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	JBL	Totals
Nursery Products (tons)		907.1	907.1
Prima Deshecha (tons)		0.0	0.0
Other: (tons)		0.0	0.0
Total Processed (tons)		907.1	907.1

Summary of Maintenance Activities

Task Type	CTP	JBL	Totals
Preventative Maintenance	202	295	497
Corrective Maintenance	10	64	74

Site Visitors

Visitor Types	CTP	JBL	Totals
Regulatory	0	1	1
Member Agency	0	0	0
Residents	0	0	0
Others	11	31	42
Tours #/Visitors	0	1	1

Grit Disposal Management

Grit & Screenings	CTP	JBL	Totals
Simi Valley Landfill (tons)	6.2	0.0	6.2

Chemical and Energy Utilization

Chemical/Utility	CTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	0
Utility Power Purchase (kWh)	206,278	205,150	411,428
Cogen Power (kWh)		456,028	456,028
Natural Gas (Dth)	1	1,009	1,010
Digester Gas to Engine (scfm)		6,305,202	6,305,202
Digester Gas to Boiler (scfm)		0	0
Digester Gas to Flares (scfm)		348,798	348,798

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

Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

SOCWA Operational Report July 2025 (cont'd)

Agency Flows to SOCWA Opearted Treatment Plants (Including Internal Waste Streams Used for Billing)

Agency	CTP (mgd)	CTP (%)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.443	53.70%			1.443
EBSD	0.059	2.18%			0.059
SCWD	1.185	44.11%	2.852	34.15%	4.037
SMWD			5.500	65.85%	5.500
Total	2.687	100.00%	8.352	100.00%	11.039

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB			1.44	26.74%	1.44	
EBSD			0.06	1.09%	0.06	
SCWD	3.98	32.07%	0.69	12.88%	4.67	Includes MNWD
ETWD			3.20	59.30%	3.20	Includes IRWD and MNWD
SMWD	5.97	48.14%			5.97	Includes CSJC
CSC	2.46	19.79%			2.46	
Total	12.41	100.00%	5.40	100.00%	17.80	

SOCWA Operational Report July 2025 (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 (%)
SCWD	6.75	51.92%	2.998	39.11%	2.852	34.15%	2.85	34.15%
SMWD	6.25	48.08%	4.667	60.89%	5.500	65.85%	5.50	65.85%
Total	13.00	100.00%	7.665	100.00%	8.352	100.00%	8.35	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. (%)
SCWD	16,055	41.62%	10,876	35.92%	7,940	27.95%	7,922	34.64%
SMWD	22,518	58.38%	19,402	64.08%	20,465	72.05%	14,945	65.36%
Total	38,573	100.00%	30,278	100.00%	28,405	100.00%	22,867	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	16.62%	13.296	16.62%	2.455	19.79%	2.455	19.79%
SCWD(3)	18.83%	15.064	18.83%	3.979	32.07%	3.979	32.07%
SMWD(4)	64.55%	51.640	64.55%	5.974	48.14%	5.974	48.14%
Total	100.00%	80.000	100.00%	12.408	100.00%	12.408	100.00%

(1) Influent billing meter summary:

- CSJC is metered daily in the collection system. The area-velocity meter has an accuracy of +/- 20%.
- MNWD flows with SCWD flows are assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur, they are estimated.
- SCWD flows are the summation of the DPSD and Victoria PS meters. The two metering systems have an accuracy of +/- 10%.
- 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 MNWD is reported as part of SCWD's flow to the ocean outfall.

(4) All monthly flow data from CSJC is reported as part of SMWD's flow to the ocean outfall.

SOCWA Operational Report July 2025 (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	3.64	54.33%	1.430	53.56%	1.443	53.70%	1.443	53.70%
EBSD	0.20	2.99%	0.060	2.25%	0.059	2.18%	0.059	2.18%
SCWD	2.86	42.69%	1.180	44.19%	1.185	44.11%	1.185	44.11%
Total	6.70	100.00%	2.670	100.00%	2.687	100.00%	2.687	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%	1.443	26.74%	1.443	26.74%
EBSD	0.78%	0.390	0.78%	0.059	1.09%	0.059	1.09%
ETWD	16.30%	8.151	16.30%	0.788	14.61%	0.788	14.61%
MNWD(1)	43.85%	21.924	43.85%	1.575	29.20%	1.575	29.20%
IRWD(1)	15.76%	7.880	15.76%	0.836	15.49%	0.836	15.49%
SCWD	12.31%	6.155	12.31%	0.695	12.88%	0.695	12.88%
Total	100.00%	50.000	100.00%	5.396	100.00%	5.396	100.00%

(1) Permitted flow to the ACOO from IRWD and MNWD who are not member agencies of SOCWA.

SOCWA Operational Report July 2025 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Installed Automatic Drip Traps for the digester gas piping inside Buildings #60 and #65 at JBL.
Replaced failed sump pump for the RAS Bleach Tank containment area at JBL.
Repaired failing Primary Scum Skimmer #9 at JBL.
Repaired failing Secondary Waste VFD for Pump #4 at JBL.
Replaced several failed DO probe caps at JBL.
Troubleshoot Process Water Pump #3 at JBL.
Troubleshoot the Plant #1 Air Compressor in Building #30, tripping the breaker at JBL.
Repaired failing Roll Up Door for Building #20 - Headworks.
Installed rebuilt Potable Water Pump #1 at JBL.
Repaired failing Process Water Strainer #2 at JBL.
Replaced failed mechanical seal on DAFT #1 Pressurization Pump at JBL.
Repaired failed influent gate in the Plant #1 Headworks at JBL.
Troubleshoot failing RAS Pump #2 at JBL.
Replaced failed Plant #1 Ferric Pumps at JBL.
Troubleshoot failing Primary Sludge Meter at JBL.
Replaced failed Plant #1 Scrubber ORP Probe at JBL.
Repaired failing Secondary Tank #13 chain and flights.

CTP - PC15

Replaced failed AWT Clearwell Bleach Analyzer at CTP.
Troubleshoot failing West Primary Sludge Grinder at CTP.
Replaced failed Scrubber ORP Probe at CTP.
Troubleshoot and repaired failing Export Pump #4 at CTP.
Repaired failing AWT Filtered Water Turbidimeter at CTP.
Replaced the corroded West #2 MLSS probe wiring at CTP.
Troubleshoot the failing CTP SCADA Dialer.
Troubleshoot Low-Pressure Blower #2 / South at CTP.
Repaired failing Grit Valve #1A at CTP.
Repaired failing West Nitrate Probe at CTP.
Repaired failing DAF #2/South Drive at CTP.
Repaired failing Scrubber Stage #2/3 Caustic Pump at CTP.

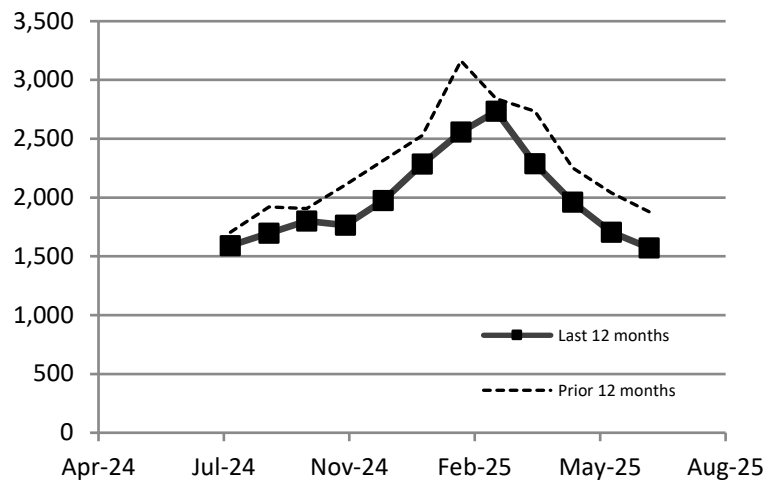
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report July 2025 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)	
CLB			1.44	26.74%	1.44	
EBSD			0.06	1.09%	0.06	
SCWD			3.98	32.07%	0.69	12.88%
ETWD				3.20	59.30%	3.20
SMWD	5.97	48.14%			5.97	
CSC	2.46	19.79%			2.46	
Total	12.41	100.00%			5.40	100.00%
	or Acre-Feet per year equivalent				19,940	

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

Jul-25	1,573
Jun-25	1,705
May-25	1,962
Apr-25	2,288
Mar-25	2,734
Feb-25	2,558
Jan-25	2,286
Dec-24	1,976
Nov-24	1,766
Oct-24	1,802
Sep-24	1,698
Aug-24	1,591
Total	23,937



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

July 2025

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	Fall
	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	inches
07/01/25	No Flow				0.761	8.3	5.0	0.1	2.720	10.5	7.0	<0.1	2.247	11.7	7.0	<0.1	0.444	0.550	0.130	6.852	0.00
07/02/25	No Flow				0.408	8.8	4.0	0.1	1.89	8.3	6.0	<0.1	2.084	6.6	6.0	<0.1	0.444	0.550	0.148	5.524	0.00
07/03/25	No Flow				0.249	12.8	5.5	<0.1	1.370	8.0	6.0	<0.1	1.930	5.0	8.0	0.1	0.444	0.547	0.110	4.650	0.00
07/04/25	No Flow				0.777	11.4	4.0	<0.1	1.330	6.0	4.0	0.1	1.941	7.0	3.0	0.1	0.444	0.547	0.134	5.173	0.00
07/05/25	No Flow				1.442	9.2	4.0	0.1	0.680	6.6	4.0		2.264	4.8	4.0		0.444	0.548	0.161	5.539	0.00
07/06/25	No Flow				0.099	7.5	3.8	<0.1	3.270	6.1	4.0	<0.1	2.704	8.1	6.0	<0.1	0.444	0.000	0.130	6.647	0.00
07/07/25	No Flow				0.122	8.0		0.1	2.670	8.1	5.0	<0.1	2.730	2.0	3.0	<0.1	0.444	0.000	0.118	6.084	0.00
07/08/25	No Flow				0.256	8.3	4.0	0.1	1.260	8.0	5.0	0.1	2.512	14.9	8.0	<0.1	0.445	0.467	0.139	5.079	0.00
07/09/25	No Flow				0.090	10.0	4.3	<0.1	1.100	6.3	4.0	<0.1	2.249	8.1	4.0	<0.1	0.444	0.118	0.132	4.133	0.00
07/10/25	No Flow				0.300	8.8	3.7	0.1	1.120	5.2	4.0	0.2	1.908	4.5	3.0	<0.1	0.444	0.465	0.140	4.377	0.00
07/11/25	No Flow				0.502	9.0	4.5	<0.1	0.910	5.7	4.0	0.2	2.142	8.7	6.0	0.1	0.444	0.481	0.147	4.626	0.00
07/12/25	No Flow				0.704	10.8	5.3	0.1	1.420	6.0	4.0	0.2	2.219	9.4	5.0	0.1	0.444	0.463	0.133	5.383	0.00
07/13/25	No Flow				1.102	8.9	4.6	0.1	1.280	4.9	5.0	<0.1	2.221	11.2	7.0	<0.1	0.445	0.233	0.112	5.393	0.00
07/14/25	No Flow				1.372	7.4	3.8	<0.1	1.530	7.0	7.0	<0.1	2.125	2.2	5.0	<0.1	0.443	0.234	0.142	5.846	0.00
07/15/25	No Flow				1.014	9.2	4.9	<0.1	1.580	6.4	5.0	<0.1	2.236	14.0	10.0	<0.1	0.444	0.432	0.127	5.833	0.00
07/16/25	No Flow				0.611	11.4	4.6	<0.1	0.510	18.0	5.0	<0.1	2.006	14.2	6.0	<0.1	0.444	0.430	0.131	4.132	0.00
07/17/25	No Flow				0.715	9.6	4.0	0.1	0.690	7.6	5.0	<0.1	1.939	11.4	6.0	0.1	0.341	0.429	0.148	4.262	0.00
07/18/25	No Flow				0.658	7.1	3.7	0.1	0.690	10.4	4.0	0.1	1.997	11.6	6.0	0.1	0.443	0.432	0.142	4.362	0.10
07/19/25	No Flow				0.971	10.4	4.2	0.1	0.690	5.6	3.0	<0.1	2.247	7.2	4.0	0.1	0.444	0.444	0.139	4.935	0.00
07/20/25	No Flow				1.159	21.4	9.4	0.1	1.970	5.1	4.0	0.1	1.854	8.2	5.0	<0.1	0.443	0.443	0.112	5.981	0.00
07/21/25	No Flow				1.489	10.4		<0.1	4.140	5.7	4.0	<0.1	2.330	13.3	9.0	<0.1	0.443	0.443	0.123	8.968	0.00
07/22/25	No Flow				1.390	9.8	3.7	0.1	1.190	6.2	3.0	<0.1	1.816	15.9	5.0	<0.1	0.442	0.442	0.140	5.420	0.00
07/23/25	No Flow				0.846	9.0	7.0	0.1	0.620	8.4	8.0	0.2	1.822	9.4	4.0	<0.1	0.444	0.443	0.128	4.303	0.00
07/24/25	No Flow				0.749	14.8	5.7	0.1	0.490	6.6	5.0	0.1	1.097	13.8	7.0	<0.1	0.443	0.448	0.141	3.368	0.00
07/25/25	No Flow				0.552	25.8	5.3	0.1	0.650	6.4	6.0	<0.1	1.867	7.3	4.0	<0.1	0.442	0.478	0.133	4.122	0.00
07/26/25	No Flow				1.117	23.8	7.0	0.2	2.000	6.4	4.0		2.161	7.6	4.0		0.443	0.481	0.136	6.338	0.00
07/27/25	No Flow				1.265	6.1	6.4	<0.1	2.030	3.2	3.0	<0.1	1.378	8.7	6.0	<0.1	0.365	0.480	0.124	5.642	0.00
07/28/25	No Flow				1.609	8.5		<0.1	2.690	5.8	4.0	<0.1	2.610	1.6	2.0	<0.1	0.438	0.480	0.134	7.961	0.00
07/29/25	No Flow				0.929	12.8	7.2	0.1	2.080	7.4	4.0	0.1	1.323	10.4	8.0	<0.1	0.438	0.478	0.132	5.380	0.00
07/30/25	No Flow				0.509	26.2	6.0	<0.1	2.110	8.4	4.0	<0.1	1.642	3.2	3.0	0.1	0.294	0.477	0.107	5.139	0.00
07/31/25	No Flow				0.668	21.6	6.1	<0.1	2.160	6.2	4.0	<0.1	2.358	8.8	4.0	<0.1	0.000	0.477	0.154	5.817	0.00
AVG	No Flow				0.788	11.8	5.1	<0.1	1.575	7.1	4.6	<0.1	2.063	8.7	5.4	<0.1	0.418	0.417	0.133	5.396	
TOTAL	No Flow				24.44				48.84				63.96				12.97	12.94	4.127	167.27	0.10

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1 2025
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 9:49

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage				Water	H2O	Water	Water	Birds
			Coliform	Coliform	coccus	Origin		Oil &	Odor					
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease						
			SM9222B	SM9222D	EPA 1600					Color	Temp(F)	Condition	Outlet	
S3	07/08/25	9:38	100	<10	<2	None	None	None	None	Green	68	Clear		
S4	07/08/25	9:19	20	<10	<2	None	None	None	None	Green		Clear		
S5	07/08/25	9:03	<10	<10	<2	None	None	None	None	Green		Clear		
S6	07/08/25	8:44	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/08/25	8:42	10	<10	<2	None	None	None	None	Green		Clear		
S7	07/08/25	8:38	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/08/25	8:15	10	<10	<2	None	None	None	None	Green		Clear		
S9	07/08/25	8:13	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	07/08/25	8:12	10	<10	<2	None	None	None	None	Green		Clear		
S10	07/08/25	8:08	<10	<10	<2	None	None	None	None	Green		Clear		
S11	07/08/25	8:04	10	<10	<2	None	None	None	None	Green		Clear		
S12	07/08/25	7:59	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 Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 13:42

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero- coccus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S3	07/15/25	11:27	<10	<10	2	None	None	None	None	Green	76	Clear		
S4	07/15/25	11:45	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S5	07/15/25	14:06	<10	<10	6	None	None	None	None	Blue		Clear		
S6	07/15/25	13:10	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/15/25	13:05	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	07/15/25	13:03	30	20	20	None	None	None	None	Green		Slightly Turbid		
S8	07/15/25	14:04	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	07/15/25	13:53	10	10	8	None	None	None	None	Green		Slightly Turbid		
ACM1	07/15/25	13:45	20	<10	10	None	None	None	None	Green		Turbid		
S10	07/15/25	13:48	<10	20	4	None	None	None	None	Blue		Clear		
S11	07/15/25	11:30	<10	<10	4	None	None	None	None	Green		Clear		
S12	07/15/25	11:20	10	20	230	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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 9:13

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform	Coliform	coccus	Origin								
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore							
S3	07/22/25	10:56	<10	<10	<2	None	None	None	None	Green	69	Clear	Flowing	
S4	07/22/25	10:39	10	<10	<2	None	None	None	None	Green		Clear		
S5	07/22/25	10:32	10	<10	<2	None	None	None	None	Green		Clear		
S6	07/22/25	10:30	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/22/25	10:27	10	<10	<2	None	None	None	None	Green		Clear		
S7	07/22/25	10:21	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/22/25	9:46	10	<10	<2	None	None	None	None	Green		Clear		
S9	07/22/25	9:43	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	07/22/25	9:37	<10	<10	10	None	None	None	None	Green		Clear		
S10	07/22/25	9:10	<10	<10	<2	None	None	None	None	Green		Clear		
S11	07/22/25	9:02	10	<10	<2	None	None	None	None	Green		Clear		
S12	07/22/25	8:55	<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 Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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 12:48

Weather: Clear

COMMENTS: Overcast for S3 and S4; Clear for the remaining sites. Tar on the beach at S5. HT 4.4

STA#	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore							
S3	07/28/25	10:24	<10	<10	<2	None	None	None	None	Blue	66	Clear		
S4	07/28/25	10:41	20	<10	4	None	None	None	None	Blue		Clear		
S5	07/28/25	13:05	<10	<10	<2	None	None	None	None	Blue		Clear		
S6	07/28/25	11:07	<10	<10	<2	None	None	None	None	Blue		Clear		
WEST	07/28/25	11:06	<10	100	<2	None	None	None	None	Blue		Clear		
S7	07/28/25	11:01	<10	<10	<2	None	None	None	None	Blue		Clear		
S8	07/28/25	12:37	<10	10	<2	None	None	None	None	Blue		Clear		
S9	07/28/25	12:40	<10	<10	<2	None	None	None	None	Blue		Clear		
ACM1	07/28/25	12:46	<10	<10	<2	None	None	None	None	Blue		Clear	Flowing	
S10	07/28/25	12:46	<10	<10	<2	None	None	None	None	Blue		Clear		
S11	07/28/25	11:32	100	<10	<2	None	None	None	None	Blue		Clear		
S12	07/28/25	11:25	<10	<10	<2	None	None	None	None	Blue		Clear		

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

Unified Beach 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: July 2025

Report Frequency: Monthly

Report Due: September 1, 2025

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 9:37 N4 had
foam and plant debris

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	07/24/25	4	<2	<2	8:11	0	0	
A-1	Mid depth	07/24/25	<10	<10	<10				
A-2	Surface	07/24/25	<2	2	<2	7:56	0	0	
A-2	Mid depth	07/24/25	<10	<10	<10				
A-3	Surface	07/24/25	<2	2	<2	8:29	0	0	
A-3	Mid depth	07/24/25	<10	<10	<10				
A-4	Surface	07/24/25	4	<2	<2	8:37	0	0	
A-4	Mid depth	07/24/25	<10	<10	<10				
A-5	Surface	07/24/25	2	6	<2	8:21	0	0	
A-5	Mid depth	07/24/25	10	<10	<10				
B-1	Surface	07/24/25	<2	<2	<2	7:45	0	0	
B-1	Mid depth	07/24/25	10	<10	<10				
B-2	Surface	07/24/25	4	2	<2	8:44	0	0	
B-2	Mid depth	07/24/25	<10	<10	<10				
N1	Surface	07/24/25	8	<2	<2	9:24	0	0	
N2	Surface	07/24/25	16	2	<2	9:19	0	0	
N3	Surface	07/24/25	6	<2	<2	9:15	0	0	
N4	Surface	07/24/25	6	6	<2	9:10	0	0	
N5	Surface	07/24/25	6	2	2	9:07	0	0	
N6	Surface	07/24/25	10	<2	<2	9:04	0	0	
N7	Surface	07/24/25	4	2	<2	8:58	0	0	

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

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

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

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

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

**Compliance Summary Report
Aliso Creek Ocean Outfall July 2025**

ACOO Permit Order No. R9-2022-0006							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
There were no water quality violations during this reporting period.							



SOCWA and MEMBER AGENCY FACILITIES
ACOO Spill / Overflow Report Log - July 2025 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

July 2025

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC Desalter	SCWD Desalter	SJCOO	Rain Fall
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	FLOW MGD	FLOW MGD	inches
07/01/25	8.310	7.4	5.4	<0.1	2.640	9.1	10.0	<0.1	0.000				0.156	<5.0	6.7	<0.1	0.330	0.172	12.090	0.00
07/02/25	8.140	4.4	4.7	<0.1	2.670	11.0	14.0	<0.1	0.002	1.5	4.0	<0.1	0.255	5.0	6.5	<0.1	0.220	0.171	11.460	0.00
07/03/25	8.370	7.8	9.7	0.1	2.480	10.8	14.0	<0.1	0.000				1.336	7.0	7.2	<0.1	0.520	0.173	12.030	0.00
07/04/25	8.420	7.4	5.0	0.1	2.650	6.1	7.0	0.5	0.000				0.965	6.0	6.7	<0.1	0.520	0.174	13.320	0.00
07/05/25	8.400	7.3	5.7		2.010				0.000				1.030				0.520	0.171	12.660	0.00
07/06/25	8.440	7.1	8.1	<0.1	1.240		10.0		0.004	1.3	4.4	<0.1	1.049				0.520	0.174	12.870	0.00
07/07/25	8.360	11.5	10.0	<0.1	3.470	7.5	9.0	0.4	0.013	2.7	4.6	<0.1	0.961	<5.0	8.9	<0.1	0.520	0.172	13.240	0.00
07/08/25	8.270	7.5	7.4	<0.1	2.640	9.2	8.0	<0.1	0.002	3.3	5.2	<0.1	1.036	5.0	8.7	<0.1	0.240	0.174	13.170	0.00
07/09/25	8.090	7.1	6.0	<0.1	2.500	10.4	9.0	<0.1	0.010	2.4	5.2	<0.1	1.007	6.0	7.4	<0.1	0.340	0.170	12.390	0.00
07/10/25	8.240	7.9	6.4	0.2	2.490	10.8	6.0	0.2	0.002	3.2	2.9	<0.1	0.943	5.0	6.2	<0.1	0.520	0.175	12.910	0.00
07/11/25	8.230	9.1	7.0	0.2	2.070	5.7	7.0	<0.1	0.000				0.757	6.0	6.9	<0.1	0.520	0.174	12.940	0.00
07/12/25	8.280	8.6	6.4	<0.1	2.420				0.000				0.969				0.520	0.172	12.930	0.00
07/13/25	8.220	7.6	6.3	<0.1	1.890		8.0		0.016	2.5	2.4	<0.1	0.950				0.520	0.175	12.590	0.00
07/14/25	8.360	11.9	8.3	<0.1	1.970	13.2	9.0	<0.1	0.028	2.8	2.9	<0.1	1.073	5.0	8.9	<0.1	0.520	0.170	13.180	0.00
07/15/25	8.770	7.6	8.7	<0.1	2.780	3.1	10.0	0.5	0.003	2.9	2.0	<0.1	1.532	5.0	9.3	<0.1	0.410	0.176	13.830	0.00
07/16/25	8.230	7.6	5.7	<0.1	2.440	12.0		0.2	0.002	2.6	2.8	<0.1	1.181	6.0	7.9	<0.1	0.270	0.174	13.360	0.00
07/17/25	7.990	8.6	7.3	0.1	2.670	4.6	6.0	<0.1	0.003	2.0	2.3	<0.1	1.191	6.0	8.1	<0.1	0.440	0.162	12.720	0.00
07/18/25	8.140	7.5	6.6	0.1	2.680	5.2	6.0	0.1	0.008	3.2	2.4	<0.1	1.162	9.0	9.3	<0.1	0.430	0.172	13.010	0.10
07/19/25	8.220	8.0	5.6	0.1	2.240				0.036	2.9	3.3	0.1	1.100				0.450	0.174	12.450	0.00
07/20/25	8.280	7.2	6.7	0.1	2.200	7.5	7.0	<0.1	0.002	4.2	3.1	<0.1	1.121				0.480	0.171	12.640	0.00
07/21/25	8.310	7.9	6.0	<0.1	2.290	9.5	9.0	<0.1	0.000				1.204	7.0	6.1	<0.1	0.450	0.176	12.980	0.00
07/22/25	8.300	8.4	6.3	0.1	2.390	11.0	9.0	0.1	0.000				1.294	5.0	6.0	<0.1	0.440	0.173	13.280	0.00
07/23/25	8.090	5.1	5.7	<0.1	2.460	9.1	10.0	<0.1	0.010	2.1	2.1	<0.1	1.230	5.0	6.6	<0.1	0.490	0.171	13.280	0.00
07/24/25	8.080	8.6	6.6	<0.1	2.490	12.9	11.0	<0.1	0.007	2.5	2.4	<0.1	1.386	7.0	6.7	<0.1	0.530	0.174	13.640	0.00
07/25/25	8.120	10.1	8.9	<0.1	3.370	6.4	7.0	<0.1	0.000				1.535	5.0	5.6	<0.1	0.540	0.171	14.580	0.00
07/26/25	8.100	9.6	7.9		3.530	8.3	9.0	<0.1	0.000				1.507				0.540	0.174	13.830	0.00
07/27/25	8.160	9.0	10.0	<0.1	2.360	9.2	8.0		0.000				1.529				0.540	0.171	13.920	0.00
07/28/25	8.120	13.5	10.1	<0.1	2.440	8.2	9.0	0.1	0.001	1.9	1.9	<0.1	0.120	5.0	5.1	<0.1	0.530	0.175	13.470	0.00
07/29/25	8.100	8.5	9.1	0.1	2.560	7.3	9.0	<0.1	0.001	3.2	2.9	<0.1	0.011	7.0	4.7	<0.1	0.530	0.174	11.910	0.00
07/30/25	8.030	7.8	6.7	<0.1	1.860	6.3	8.0	<0.1	0.002	2.0	2.0	0.1	0.002	6.0	4.0	<0.1	0.570	0.174	11.790	0.00
07/31/25	8.050	5.8	6.7	<0.1	2.220	8.7	10.0	<0.1	0.000				0.003	<5.0	3.5	<0.1	0.550	0.172	11.750	0.00
AVG	8.233	8.2	7.1	<0.1	2.455	8.6	8.9	<0.2	0.005	2.6	3.1	<0.1	0.955	5.8	6.8	<0.1	0.468	0.173	12.910	
TOTAL	255.220				76.120				0.152				29.595				14.520	5.351	400.220	0.10

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: Low Tide 08:17

Weather: Overcast

COMMENTS:

			Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage								
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water	H2O	Water	Water	
STATION														
#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S0	07/01/25	09:15	<20	<20	<2	None	None	None	None	Green	59	Slightly Turbid		
S1	07/01/25	09:55	20	20	2	None	None	None	None	Green		Slightly Turbid		
S2	07/01/25	10:10	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB5	07/01/25	10:20	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S3	07/01/25	09:50	20	20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	07/01/25	09:45	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S5	07/01/25	09:35	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	07/01/25	09:25	<20	100	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	07/01/25	09:10	<100	<100	<10	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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 10:21

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	07/09/25	8:49	20	<20	20	None	None	None	None	Green			Turbid		
S1	07/09/25	8:55	<20	<20	<2	None	None	None	None	Green			Turbid		
S2	07/09/25	8:36	40	20	42	None	None	None	None	Green			Turbid		
DSB5	07/09/25	8:22	240	120	92	None	None	None	None	Brown	64		Turbid		
S3	07/09/25	8:59	<20	<20	<2	None	None	None	None	Green			Turbid		
DSB4	07/09/25	9:00	20	<20	<2	None	None	None	None	Green			Turbid		
S5	07/09/25	9:05	20	<20	<2	None	None	None	None	Green			Turbid		
DSB1	07/09/25	9:10	<20	<20	220	None	None	None	None	Green	66		Turbid		
SJC1	07/09/25	8:52	<20	<20	10	None	None	None	None	Green			Turbid		

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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 6:54

Weather: Overcast

COMMENTS:

			Total	Fecal	Entero-											
			Coliform	Coliform	coccus	Material of Sewage										
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water		H2O	Water		Water	
STATION																
#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition		Outlet		Birds
S0	07/15/25	8:22	<20	<20	2	None	None	None	None	Green	68	Slightly Turbid				
S1	07/15/25	8:59	<20	<20	2	None	None	None	None	Green		Slightly Turbid				
S2	07/15/25	8:28	<20	<20	30	None	None	None	None	Green		Slightly Turbid				
DSB5	07/15/25	8:33	<20	<20	2	None	None	None	None	Green		Slightly Turbid				
S3	07/15/25	9:00	<20	<20	2	None	None	None	None	Green		Slightly Turbid				
DSB4	07/15/25	9:02	<20	<20	<2	None	None	None	None	Green		Slightly Turbid				
S5	07/15/25	9:08	<20	<20	2	None	None	None	None	Brown		Slightly Turbid				
DSB1	07/15/25	9:11	<20	<20	<2	None	None	None	None	Brown		Slightly Turbid				
SJC1	07/15/25	8:24	20	<20	10	None	None	None	None	Green		Slightly Turbid				

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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 11:17

Weather: Clear

COMMENTS:

			Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage								
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water	H2O	Water	Water	
STATION														
#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S0	07/20/25	10:30	<20	<20	<2	None	None	None	None	Green	61	Slightly Turbid		
S1	07/20/25	10:15	100	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	07/20/25	10:55	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB5	07/20/25	11:25	<20	<20	10	None	None	None	None	Green		Slightly Turbid		
S3	07/20/25	10:05	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	07/20/25	10:00	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S5	07/20/25	09:45	40	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB1	07/20/25	09:40	20	<20	8	None	None	None	None	Green		Slightly Turbid		
SJC1	07/20/25	10:40	<100	<100	10	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring

#5

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2025
 REPORT DUE: September 1, 2025
 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

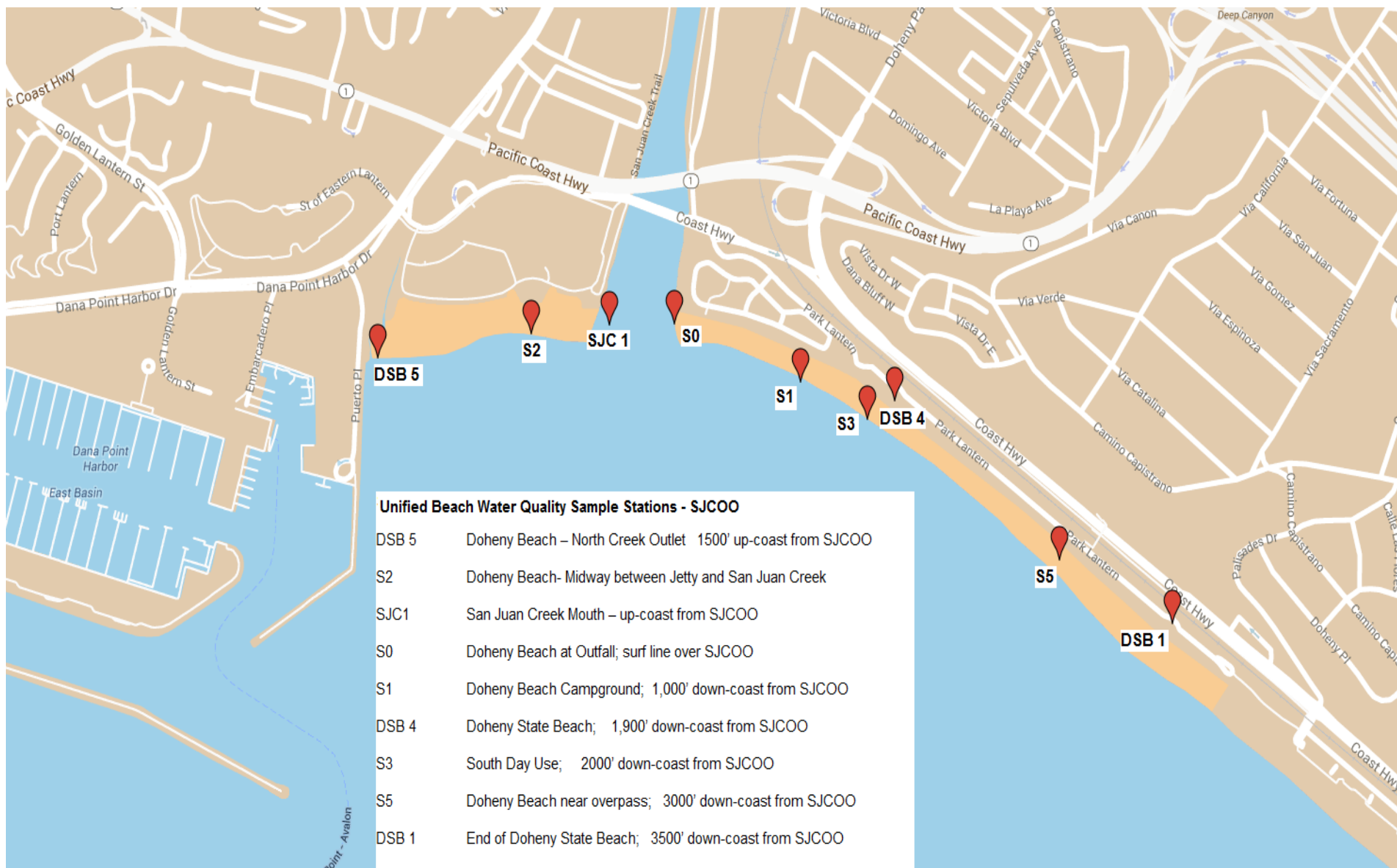
Tidal Condition: Low Tide 6:47

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Odor	Water	H2O	Water	Water	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore				Color	Temp(F)	Condition	Outlet	
S0	07/29/25	9:01	<20	<20	<2	None	None	None	None	None	Green		Clear		
S1	07/29/25	8:57	20	20	<2	None	None	None	None	None	Green		Clear		
S2	07/29/25	8:42	<20	<20	<2	None	None	None	None	None	Green		Clear		
DSB5	07/29/25	8:37	20	<20	2	None	None	None	None	None	Green		Clear		
S3	07/29/25	9:12	<20	<20	<2	None	None	None	None	None	Green		Clear		
DSB4	07/29/25	9:15	<20	<20	<2	None	None	None	None	None	Green		Clear		
S5	07/29/25	9:20	<20	<20	<2	None	None	None	None	None	Green	65	Clear		
DSB1	07/29/25	9:24	<20	<20	<2	None	None	None	None	None	Green		Clear		
SJC1	07/29/25	8:55	<20	<20	<10	None	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.



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: July 2025

Report Frequency: Monthly

Report Due: September 1, 2025

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

High Tide 09:37

Samples Analyzed By: SOCWA Lab

Comments:

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	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	07/23/25	4	2	<2	08:21	0	0	
A-1	Mid depth	07/23/25	<10	20	<10				
A-2	Surface	07/23/25	12	<2	4	08:26	0	0	
A-2	Mid depth	07/23/25	10	<10	<10				
A-3	Surface	07/23/25	2	<2	<2	08:57	0	0	
A-3	Mid depth	07/23/25	40	10	<10				
A-4	Surface	07/23/25	2	<2	6	09:04	0	0	
A-4	Mid depth	07/23/25	<10	<10	<10				
A-5	Surface	07/23/25	4	<2	2	08:50	0	0	
A-5	Mid depth	07/23/25	<10	<10	10				
B-1	Surface	07/23/25	2	<2	<2	08:10	0	0	
B-1	Mid depth	07/23/25	<10	<10	<10				
B-2	Surface	07/23/25	<2	<2	<2	09:17	0	0	
B-2	Mid depth	07/23/25	<10	<10	<10				
N1	Surface	07/23/25	<2	<2	2	07:58	0	0	
N2	Surface	07/23/25	<2	<2	12	07:52	0	0	
N3	Surface	07/23/25	12	<2	10	07:47	0	0	
N4	Surface	07/23/25	36	2	4	07:39	0	0	
N5	Surface	07/23/25	<2	<2	<2	07:32	0	0	
N6	Surface	07/23/25	<2	<2	2	07:24	0	0	

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

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

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

(3) Enterococcus 6-week rolling geometric mean not to exceed 30 CFU/100 mL, calculated weekly. (4) Statistical threshold value (STV) of 110 CFU/100 mL for enterococcus not to be exceeded by more than 10% of samples collected in a calendar month, calculated in a static manner

Compliance Summary Report
San Juan Creek Ocean Outfall July 2025

SJCOO Permit Order No. R9-2025-0001							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
MNWD-3A	7/11/2025	Digester Sludge	Unauthorized Discharge	N/A	N/A	300 gal entered Oso Creek	\$3,000 based on California Water Code § 13350I
CSC-City of San Clemente	07/19/2025	Influent cBOD	Deficient Monitoring	mg/L	Weekly (Once per week)	N/A	\$3,000



SOCWA and MEMBER AGENCY FACILITIES **SJCOO Spill / Overflow Report Log - July 2025** **Order No. R9-2025-0001 ~ NPDES Permit No. CA0107417**

Reporting Agency	Responsible Agency	Estimated Volume (Gallons)	Type of Discharge	Location/Comments	Receiving Waters	Date Reported To State	Date Resolved
MNWD	MNWD	18,548	Digested Sludge	<p>On Friday, July 11, 2025 at approximately 9:50am, a contractor onsite at MNWD's Plant 3A (26801 Camino Capistrano, Mission Viejo CA) opened an incorrect pipe connected to a digester. Liquid from the digester flowed until the pipe was able to be re-capped around 10:30 am. Total spill volume was calculated at 18,548 gallons of liquid that left the digester. Dirt berms were used to contain flow as best as possible, but approximately 300 gallons did enter a storm drain and subsequently Oso Creek. It was calculated that 18,280 gallons were recovered. MNWD staff set up a portable dam in the Oso Creek channel downstream, equipped with a portable pump, and began pumping this flow into a nearby sewer manhole to return to a treatment plant. Staff observations did not note any downstream impacts during bypass pumping, which continued for approximately 30 hours, removing approximately 630,000 gallons of water over that time period. Surface water sampling was conducted same-day and additionally 2 days of follow up sampling.</p>	Oso Creek	07-11-25	07-11-25

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - RTP	1/7/2025	TDS	12 month	mg/L	1000	1212	
MNWD - RTP	1/7/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	1/7/2025	Manganese	Daily Maximum	mg/L	0.06	0.07	
SOCWA - CTP	1/7/2025	Manganese	12-Month	mg/L	0.05	0.09	
MNWD - 3A	10/2/2024	TDS	12 month	mg/L	1000	1213	Offline
MNWD - 3A	10/2/2024	Manganese	12 month	mg/L	0.05	0.10	Offline
SMWD-NWRP	1/15/2025	TDS	Daily Maximum	mg/L	1000	1200	
SOCWA - CTP	2/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
SOCWA - CTP	2/4/2025	Manganese	12 month	mg/L	0.05	0.09	
MNWD - RTP	2/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.15	
MNWD - RTP	2/4/2025	Manganese	12 month	mg/L	0.05	0.13	
MNWD - RTP	2/4/2025	TDS	12 month	mg/L	1000	1189	
MNWD - 3A	10/2/2024	TDS	12 month	mg/L	1000	1213	Offline
MNWD - 3A	10/2/2024	Manganese	12 month	mg/L	0.05	0.10	Offline
MNWD - RTP	3/5/2025	TDS	12 month	mg/L	1000	1126	
MNWD - RTP	3/5/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	3/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
MNWD - 3A	3/5/2025	TDS	12 month	mg/L	1000	1174	
MNWD - 3A	3/5/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	3/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
SOCWA - CTP	3/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
SOCWA - CTP	3/4/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	3/21/2025	TDS	12 month	mg/L	1000	1024.00	
SMWD-NWRP	3/21/2025	TDS	Daily Maximum	mg/L	1000	1153	
MNWD - RTP	4/8/2025	TDS	12 month	mg/L	1000	1088	
MNWD - RTP	4/8/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	4/8/2025	Manganese	Daily Maximum	mg/L	0.06	0.20	
MNWD - 3A	4/3/2025	TDS	12 month	mg/L	1000	1149	

Waste Discharge Requirement Order 97 - 52							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - 3A	4/3/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	4/3/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
SOCWA - CTP	4/1/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	4/1/2025	Daily Maximum	12-Month	mg/L	0.05	0.09	
SMWD-NWRP	4/17/2025	TDS	12 month	mg/L	1000	1075	
MNWD - RTP	5/6/2025	TDS	12 month	mg/L	1000	1023	
MNWD - RTP	5/6/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	5/6/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
MNWD - 3A	5/5/2025	TDS	12 month	mg/L	1000	1090	
MNWD - 3A	5/5/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	5/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
SOCWA - CTP	5/19/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	5/13/2025	TDS	12 month	mg/L	1000	1048	
MNWD - RTP	6/2/2025	TDS	12 month	mg/L	1000	1008	
MNWD - RTP	6/2/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	6/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.16	
MNWD - 3A	6/2/2025	TDS	12 month	mg/L	1000	1048	
MNWD - 3A	6/2/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	6/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
SOCWA - CTP	6/3/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	6/3/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
SMWD-NWRP	6/25/2025	TDS	12 month	mg/L	1000	1032	
MNWD - RTP	7/1/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	7/1/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
MNWD - 3A	7/2/2025	TDS	12 month	mg/L	1000	1024	
MNWD - 3A	7/2/2025	Manganese	12 month	mg/L	0.05	0.09	
MNWD - 3A	7/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.07	
SOCWA - CTP	7/1/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	7/16/2025	TDS	12 month	mg/L	1000	1091	
TCWD	7/1/2025	MBAS	Daily Maximum	mg/L	0.06	4.30	

Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jul 31, 2025

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	902		947	1,041	1,024	977	811
Chloride	mg/L	375	223		250	298	222	217	198
Sulfate	mg/L	400	301		250	218	392	236	239
Sodium	mg/L	None	60		183	220		192	162
Alkalinity	mg/L	None	-	-	-	-		235	180
Adjusted SAR	Ratio	None	5.39		5.46	6.10	3.83	4.15	4.08
Iron	mg/L	0.3	0.050		0.147	0.163	0.19	0.265	0.153
Manganese	mg/L	0.05	0.008		0.043	0.017	0.09	0.124	0.075
MBAS	mg/L	0.5	ND0.48		0.21	0.25	<0.03	<0.12	<0.11
Boron	mg/L	0.67	0.263		0.253	0.468	0.29	0.292	0.26
Fluoride	mg/L	None	0.76		0.54	0.62	0.81	0.74	0.56
Total Organic Carbon	mg/L	None	6.1		13.7	12.7	9.9	11.3	9.7

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

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

SOCWA Service Area
Recycled Water Production (ac-ft)
2025

Agency	Facility or Region	Jan '25	Feb '25	Mar '25	Apr '25	May '25	Jun '25	Jul '25	Aug '25	Sep '25	Oct '25	Nov '25	Dec '25	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
CSJC 2	Chiquita/SMWD	12.90	1.91	4.31	19.45	21.06	24.54	30.49						114.66
CSJC 3	Non-Domestic Well	30.43	14.44	18.76	33.64	50.52	59.51	66.21						273.51
ETWD	Region 8	76.42	28.25	39.53	113.74	154.52	200.91	258.40						871.78
IRWD														
	⁴ IRWD - 8	135.30	38.33	37.59	135.62	178.24	203.03	280.41						1,008.53
	⁴ IRWD - 9	53.53	18.46	20.85	64.04	70.76	80.72	114.75						423.11
SCWD	SOCWA CTP	54.89	19.84	35.36	62.63	70.54	68.33	101.59						497.52
MNWD	JRP	449.87	260.06	73.93	223.63	378.52	439.96	531.16						2,357.12
	3-A Plant	0.00	0.00	145.44	144.28	126.07	117.61	23.67						557.08
	⁵ CTP	5.27	-1.23	9.09	22.13	19.90	4.28	13.67						73.12
SMWD	Oso Creek													
	Chiquita	362.93	426.67	506.31	471.75	495.66	472.46	515.08						3,250.84
	Nichols	1.73	1.49	1.74	1.63	1.91	1.97	2.18						12.65
TCWD	RRWRP	37.50	35.59	41.56	39.15	39.67	38.45	24.77						256.68
TOTALS		1,220.77	843.82	934.45	1,331.69	1,607.37	1,711.77	1,962.39						9,696.59

¹ Denotes transfer of recycled water from MNWD (3A Plant) for use in the CSJC service area. Not counted as additional production.

² Denotes recycled water purchased from SMWD Chiquita-WRP used in the CSJC service area. Not counted as additional production.

³ Denotes nondomestic groundwater produced from wells used for landscape irrigation.

⁴ IRWD production is from recycled water production, nonpotable water wells, and surface water impoundments

⁵ Denotes transfer of recycled water from SCWD (SOCWA CTP) for use in the MNWD service area. Not counted as additional production.

Note: All of ETWD reclaimed water produced and used in Region 8.

NR = No Report

Pretreatment Report

Agenda Item

5.E.

Legal Counsel Review: No

Meeting Date: September 4, 2025

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – August 2025
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

Staff continue to update each member agency (MA) industrial waste survey (IWS) spreadsheet. Please see “Summary of IWS Activities” table below.

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:

SOCWA – Southern California Gas Company (SoCalGas) – SWD Permit #SOCWA-4-010-01-26 - On June 12, 2025, staff received a permit application and discharge request for hydrotest wastewater associated with a 2.2 mile existing 30-inch natural gas transmission line which runs parallel to Alipaz St. Staff is drafting a three month permit to allow treated hydrotest wastewater to be discharged to the sewer over a ten day period and is aiming to issue the permit on September 8, 2025.

SMWD – The Oaks Equisports Park in San Juan Capistrano (formerly the Rancho Mission Viejo Riding Park at San Juan Capistrano) - WD Permit #SMWD-2-003 & WD Permit #SMWD-2-007 - Staff was notified by email on August 4, 2025, of a new management agreement owner for the site, Premier Equisports Events LLC. Effective August 2025, the site is operating under a new name, The Oaks Equisports Park in San Juan Capistrano. SOCWA staff issued a permit termination letter to the Ridland Group for WD Permit #SMWD-2-003 on August 25, 2025. Staff issued a new permit reflecting Premier Equisport Events LLC as the new owner on August 25, 2025. All permit provisions remain the same.

SOCWA - North Open Space Well Pump Station and Settling Basin - SWD Permit #SOCWA-4-001-08-30 – On July 31, 2025, staff issued a renewal permit for the site located at 30291 Camino Capistrano, San Juan Capistrano, CA 92675. This is a BMP based permit, requiring

implementation of BMPs in lieu of monitoring activities. The permit is for a five-year term, with an effective date of August 2, 2025, and expires August 1, 2030.

MNWD – FASTECH – On August 5, 2025, staff issued a BMP letter granting permission of a one-time discharge event associated with ballast wastewater used to place a new underground gas storage tank at Costco, located at 27220 Heather Ridge, Laguna Niguel, CA 92677.

IRWD - Velco Tool & Die – Velco was inspected on June 12, 2025, and determined to be a non-significant industrial user (NSCIU) under Metal Finishing Rules, 40 CFR Part 433. As required, site staff submitted a permit application to SOCWA on August 8, 2025. The application is under review and staff expect to issue a permit before October 1, 2025.

SOCWA – SMWD Groundwater Replenishment Plant (GWRP) in San Juan Capistrano – SWD Permit #SOCWA-4-003-09-30 – Staff is aiming to issue a renewal permit for the site located at 32470 Paseo Adelanto, San Juan Capistrano, CA 92675 on September 8, 2025. Permit changes are pending review of a submitted permit application.

Training and Meetings

Staff attend monthly OC Strike Force meetings to share and receive environmental legal updates.

Staff attend monthly CWEA SARBS BOD meetings as the current pretreatment chair.

Staff participate in Clean Water So Cal meetings and trainings as the current pretreatment co-chair. Staff is assisting in the planning of an in-person Pretreatment Committee Meeting - Software Discussion, slated for September 18, 2025, at Encina Wastewater Authority,

Inspections

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

SMWD - On August 4, 2025, SOCWA staff performed the annual inspection and sampling event of Applied Medical's passivation facility (R119), WD Permit #SMWD-1-009. The inspection yielded three recommendations for improvement but no violations. Sampling results are pending.

SMWD – On August 5, 2025, staff performed the annual inspection and sampling event of Applied Medical's Rubber Manufacturing facility (R103), WD Permit #SMWD-1-003. The inspection yielded no findings and sampling results are compliant with permit limits.

SOCWA – On August 18, 2025, SOCWA staff inspected SMWD's Groundwater Replenishment Plant in San Juan Capistrano, SWD Permit #SOCWA-4-003, to document treatment process changes prior to permit renewal.

MNWD – Staff is assisting with investigation of high sewer flows within the Crown Valley sewer shed. On August 25, 2025, staff met at 26522 La Alameda, Mission Viejo to review a parking garage groundwater system. Investigation results are pending.

SMWD – Willow Lab is leasing one of Applied Medical's facilities located at 30142 Avenida De Las Banderas, RSM, CA 92688 (Bldg. R114). On August 26, 2025, staff met on-site to review wastewater discharge plans and to discuss sewer rules. Discussion results are pending.

Summary of IWS Activities in SOCWA's Service Area - YTD through August 20, 2025

<u>MA IUs</u>	<u>Events</u>	<u>Permits</u>	<u>NIWD</u>	<u>BMPs</u>	<u>FSEs</u>	<u>OSEs</u>	<u>DSEs</u>	<u>Closed</u>	<u>Enforcement</u>	<u>Total IUs</u>
CLB (S)	0	2	2	5	8	110	15	0	0	143
CSC (S)	19	10	35	18	190	1263	38	0	2	1554
CSJC (S)	24	0	27	58	141	1704	30	4	0	1960
ETWD (M)	19	0	88	0	261	141	50	5	0	496
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	1	5	51	21	63	915	18	0	0	1073
MNWD (S)	30	4	120	38	659	2144	154	9	2	3117
SMWD (S)	46	9	19	19	222	850	52	14	3	1171
SCWD (S)	0	8	33	7	148	186	15	0	2	397
TCWD (S)	0	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	6	1	0	0	0		0	0	6
Totals	139	45	387	166	1699	7346	374	32	9	9969

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

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

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

Agenda Item

5.F.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Roni Grant, Capital Improvement Program Manager

SUBJECT: Capital Improvement Program Status Report and Construction Projects Progress and Change Order Report (August) [Project Committees 2 and 15]

The status of the SOCWA Capital Improvement Program and construction projects progress are presented in the tables on the following pages. Below are updates for the previous month for the major construction projects currently underway at SOCWA facilities, including any change orders.

J.B. Latham Treatment Plant Electrical System Upgrades

Replacement of MCC-M and Plant 1 Standby Generator

Pre-Purchasing of MCC and Plant 1 generator is underway.

J.B. Latham Treatment Plant Effluent Pump Station and Energy Building Upgrades

Replacement of effluent valves and piping; installation of monorail system, roof, safety, and seismic retrofit in the Energy Building.

Construction is currently in progress.

J.B. Latham Plant 2 Headworks Rehabilitation

Plant 2 Headworks Building rehabilitation, including roof, channel coating, grating, HVAC system, and misc. electrical upgrades.

Construction is currently in progress.

Coastal Treatment Plant Aeration Deck Grating Replacement

Improvements to the aeration deck grating, including concrete repair and grating supports

Construction is near completion, and staff is requesting an additional allocation of \$40,000 to the existing project budget of \$160,000, resulting in a revised total project budget of \$200,000 for the project. There is one new change: Change Order 3, in the amount of \$12,181.69, was to remove and replace rebars without proper edge clearance, bringing the revised total contract amount to \$170,182.47.

CTP West Primary and Secondary Scum Skimming System

Replacement of the scum skimmers, launders, and weirs

Pre-Purchasing of scum skimmers, launders, and weirs is currently in progress.

Coastal Treatment Plant Personnel Building Reconstruction

Improvements to Personnel Building, including lockers, fixtures, ceilings, tiles, and minor electrical

Staff have been directed to obtain additional competitive quotes for Phase 2 of this project.

Coastal Treatment Plant Diffusers Upgrades

Replacement of diffusers and air headers in the aeration basins

The construction has been completed.

Recommended Action: Staff recommends that the PC 15 Board of Directors approve an additional \$40,000 to the existing project budget of \$160,000. This will result in a revised total project budget of \$200,000 for the CTP Aeration Deck Grating Replacement Project.

Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun
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SOCWA CIP Workplan

				FY 2025/2026				FY 2026/2027			
Project Number	Project Name	Project Budget	Status	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant											
3215/3252	MCC M and Plant 1 Generator Replacement	\$ 4,406,903	Pre-procurement and design underway	D	D	D	B&A	C	C	C	C
3285	Main Plant Drain Line Reconstruction	\$ 500,000	Design underway	D	D	B&A	C	C	C		
32241L	Effluent Pump Station Storage and Staging Area	\$ 250,000	Design underway	D	B&A	C	C	C			
32226L	Effluent Pump Station Upgrades	\$ 1,877,000	Construction underway	C	C	C					
32243L	Plant 2 Headworks Rehabilitation	\$ 2,200,000	Construction underway	D	D	D	B&A	C	C	C	C
32261L	Plant 1 and 2 Grit Assessment	\$ 50,000	Getting quotes	CA							
32262L	DAF Polymer System Upgrade	\$ 741,000	Planning underway	P	P	D	D	D	B&A	C	C
3216/32225C /32225S	Energy Building Upgrades	\$ 1,955,000	Construction underway	C	C	C					
32232S	Buried Digester Gas and Flare Piping Improvements	\$ 125,000	Design underway	D	D	D	D	B&A	C	C	C
32234S	Heat Exchanger 4 Pipe Replacement	\$ 75,000	Design underway	D	D	D	D	B&A	C	C	C
32224S	Truck Loading area, MCC 2 and CF Reconstruction	\$ 3,000,000	FY 26/27					P	P	D	D
32231S	Gas Flare Replacement	\$ 2,000,000	Design underway	D	D	D	D	B&A	C	C	C
32261S	Odor Control Scrubber No. 2 Replacement	\$ 2,000,000	Planning underway	P	P	D	D	D	B&A	C	C
32262S/32264S	Dewatering System Replacement	\$ 1,056,490	Planning underway	P	P	D	D				
32263S	Buried Digester Piping Reconstruction	\$ 250,000	Design underway	D	D	D	D	B&A	C	C	C
322236S	Digester 3 and 4 Upgrades and Coating	\$ 500,000	FY 26/27	P	P	D	D	B&A	C	C	C
PC 5 - San Juan Creek Ocean Outfall											
5059	Monitoring Vault Rehabilitation	\$ 165,000	FY 26/27					P	D	D	D
PC15 - Coastal Treatment Plant											
3541A	Export Sludge Environmental Mitigation	\$ 1,392,100	Mitigation work/permitting ongoing	ENV	ENV	ENV	ENV				
35242L	Grit Baffles and Diffusers	\$ 200,000	Getting quotes for coating	D	D	B&A	C	C			
15820/15821	East Primary Tank Sludge Piping, Troughs and Scum Skimmers	\$ 275,000	FY 26/27					P	D	D	D
3543	Export Sludge Pipeline Replacement at RTP	\$ 400,000	Planning underway	P	D	D	D	P	D	D	D

SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2025/2026				FY 2026/2027			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
35247L	Aeration Blower System Upgrades	\$ 142,657	Preliminary design underway	P	P	D	D	B&A	C	C	C
35246L/35239L	West Primary and Secondary Sludge Skimmers and Launderers/Weirs	\$ 1,100,000	Pre-procurement underway	B&A	C	C	C				
35229L/35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ 1,650,000	Final design underway	D	D	D	B&A	C	C	C	C
3522AL	Drainage Pump Station	\$ 4,200,000	Final design underway	D	D	D	B&A	C	C	C	
3525	Personnel Building Reconstruction	\$ 471,586	Phase 1 completed, Phase 2 bidding underway	B&A	C	C	C				
35233L/35236L	Scum Pump Station and Wet well	\$ 300,000	FY 26/27					P	D	D	D
35234L	RAS/WAS Pump Station Repair	\$ 100,000	FY 26/27					P	P	D	D
35237L	Electrical Manhole/Cable Project	\$ 85,000	FY 26/27					P	P	D	D
15817	EQ Tank Liner Rehabilitation	\$ 300,000	FY 26/27					D	B&A	C	C
35248L	Access Road Repaving	\$ 950,000	Design underway	D	B&A	C	C				
35228L	Aeration Diffuser Replacement	\$ 1,800,000	Construction near completion	C	C						
35245L	Grating Replacement on Aeration/Secondary Deck	\$ 160,000	Construction near completion	B&A	C	C	C				
PC 21 - Effluent Transmission Main											
3107/3108	Air Valve Replacement	\$ 911,424	Design/permitting underway	D	ENV	ENV	B&A	C	C		
3101/31221B	Trail Bridge Crossing	\$ 1,947,284	Planning/design underway	P	P	P	P	ENV	ENV	ENV	ENV
PC 24 - Aliso Creek Ocean Outfall											
54221O	Outfall inspection, port cleaning and repairs	\$ 400,000	FY26/27					P	D	D	B&A
34222O	Golf Course Road	\$ 45,000		D	D	B&A	C	C			

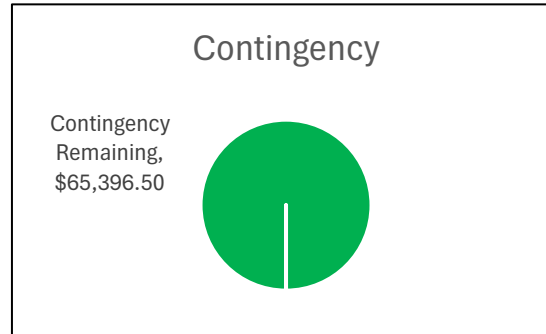
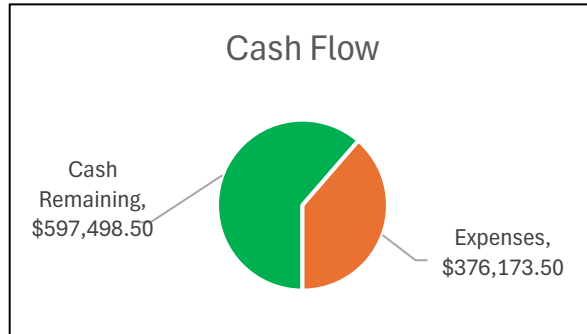
P	Planning
CA	Condition Assessment
ENV	Environmental/Permitting
D	Design
B&A	Bidding and Award
C	Construction

Project Financial Status

Project Committee	2
Project Name	Electrical System Upgrades - 3252
Project Description	Electrical System upgrades including MCC and Plant 1 Generator

Data Last Updated

July 31, 2025



Cash Flow

Collected	\$ 973,672.00
Expenses	\$ 376,173.50

Project Completion

Schedule	25%
Budget	46%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Quinn Power	20975	\$ 414,940.00			\$ 414,940.00	\$ 264,999.15
Pacific Parts	20561	\$ 239,025.00			\$ 239,025.00	\$ 56,331.22
Hazen	14331	\$ 164,350.00			\$ 164,350.00	\$ 6,140.00
SOCWA Staff Time	3252					\$ 48,703.13
		\$ 818,315.00	\$ -	\$ -	\$ 818,315.00	\$ 376,173.50

Construction Contingency

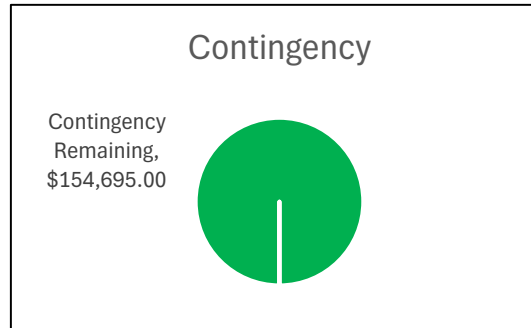
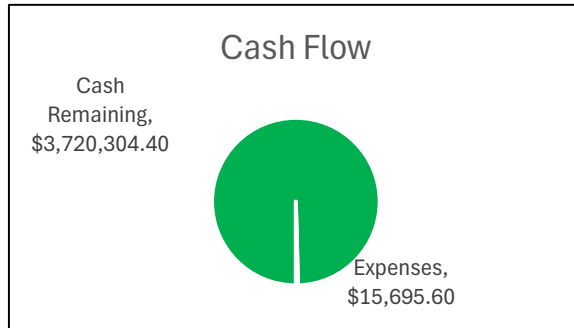
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3252	\$ 65,396.50		\$ 65,396.50	0.0%
		\$ 65,396.50	\$ -	\$ 65,396.50	0.0%

Project Financial Status

Project Committee	2
Project Name	Effluent Pump Station and Energy Building Upgrades
Project Description	Replacement of effluent valves and piping; installation of monorail, roof, safety upgrades and seismic retrofit in the Energy Building

Data Last Updated

July 31, 2025



Cash Flow

Collected	\$ 3,736,000.00
Expenses	\$ 15,695.60

Project Completion

Schedule	0%
Budget	0.49%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Pacific Hydrotech	21280	\$ 3,093,900.00			\$ 3,093,900.00	
Carollo Engineers	20453	\$ 119,316.00			\$ 119,316.00	
Project Partners	21283	\$ 12,500.00			\$ 12,500.00	
SOCWA Staff Time	32226L/32225S/3216					\$ 15,695.60
		\$ 3,225,716.00	\$ -	\$ -	\$ 3,225,716.00	\$ 15,695.60

Construction Contingency

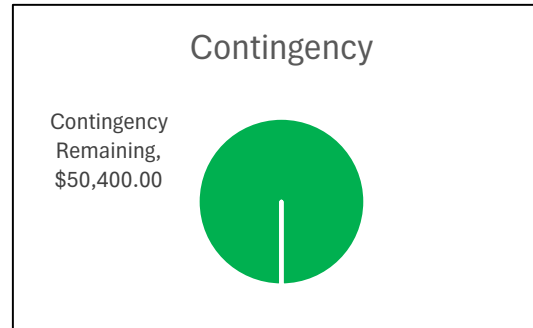
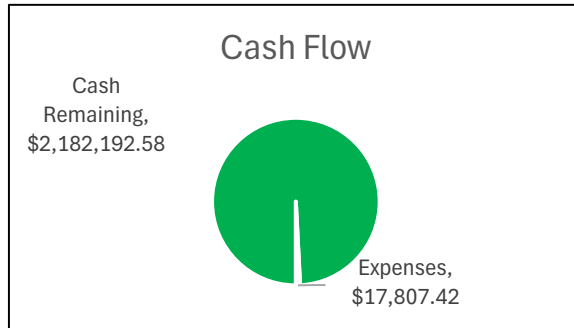
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids/Solids/Common	32226L/32225S/3216	\$ 154,695.00		\$ 154,695.00	0.0%
		\$ 154,695.00	\$ -	\$ 154,695.00	0.0%

Project Financial Status

Project Committee	2
Project Name	Plant 2 Headworks Rehabilitation - 32243L
Project Description	Plant 2 Headworks building roof replacement, channel concrete repair and cover replacement, and electrical modification

Data Last Updated

July 31, 2025

**Cash Flow**

Collected	\$ 2,200,000.00
Expenses	\$ 17,807.42

Project Completion

Schedule	0%
Budget	0.81%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Pacific Hydrotech		\$ 2,149,600.00			\$ 2,149,600.00	
Dudek Engineers	20250	\$ 47,858.00			\$ 47,858.00	
Project Partners	21283	\$ 5,000.00			\$ 5,000.00	
SOCWA Staff Time	32243L					\$ 17,807.42
		\$ 2,202,458.00	\$ -	\$ -	\$ 2,202,458.00	\$ 17,807.42

Construction Contingency

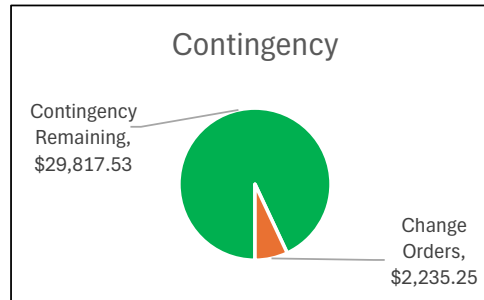
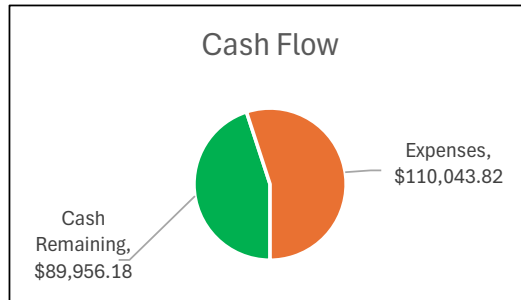
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	32243L	\$ 50,400.00		\$ 50,400.00	0.0%
		\$ 50,400.00	\$ -	\$ 50,400.00	0.0%

Project Financial Status

Project Committee	15
Project Name	Grating Replacement on Aeration/Secondary Deck - 35245L
Project Description	Replacement of grating on west aeration/secondary deck

Data Last Updated

July 31, 2025


Cash Flow

Collected	\$ 200,000.00
Expenses	\$ 110,043.82

Project Completion

Schedule	75%
Budget	55%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
SS Mechanical	20588	\$ 147,126.00	\$ 23,056.47		\$ 170,182.47	\$ 94,372.21
Project Partners	20877	\$ 25,000.00			\$ 25,000.00	\$ 5,991.00
Steve Andrews	20332	\$ 2,818.00			\$ 2,818.00	\$ 483.00
SOCWA Staff Time	35245L					\$ 9,197.61
		\$ 174,944.00	\$ 23,056.47	\$ -	\$ 198,000.47	\$ 110,043.82

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35245L	\$ 52,874.00	\$ 23,056.47	\$ 29,817.53	43.6%
		\$ 52,874.00	\$ 23,056.47	\$ 29,817.53	43.6%

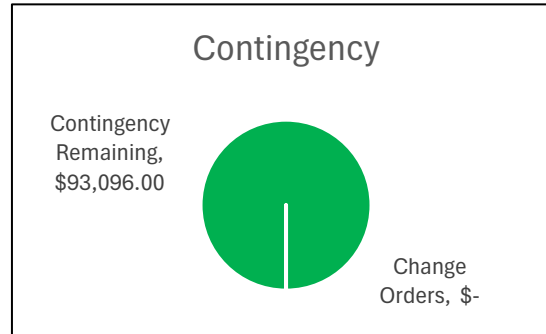
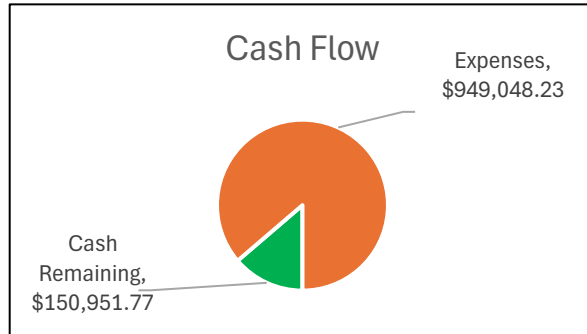
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
1	SS Mechanical	35245L	316L SST angle in lieu of 304L SST angle at the Step-Feed Channel	1/8/2025	94	\$ 2,235.25
2	SS Mechanical	35245L	Change Secondary effluent grating from 1-inch to 1.5"	1/31/2025	89	\$ 8,639.53
3	SS Mechanical	35245L	Removal and Replacement of Rebar without proper edge clearances	7/9/2025	90	\$ 12,181.69
						\$ 23,056.47

Project Financial Status

Project Committee	15
Project Name	West Primary and Secondary Sludge Skimming System - 35246L/35239L
Project Description	Replacement of west primary and secondary sludge skimming system

Data Last Updated

July 31, 2025

**Cash Flow**

Collected	\$ 1,100,000.00
Expenses	\$ 949,048.23

Project Completion

Schedule	50%
Budget	86%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Brentwood	20496	\$ 930,960.00			\$ 930,960.00	\$ 930,960.00
Z&K/Ardurra	12240	\$ 12,240.00			\$ 12,240.00	\$ 8,511.00
SOCWA Staff Time	35246L/35239L					\$ 9,577.23
		\$ 943,200.00	\$ -	\$ -	\$ 943,200.00	\$ 949,048.23

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35246L/35239L	\$ 93,096.00	\$ -	\$ 93,096.00	0.0%
		\$ 93,096.00	\$ -	\$ 93,096.00	0.0%

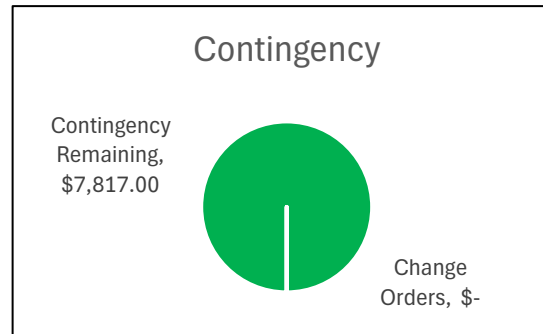
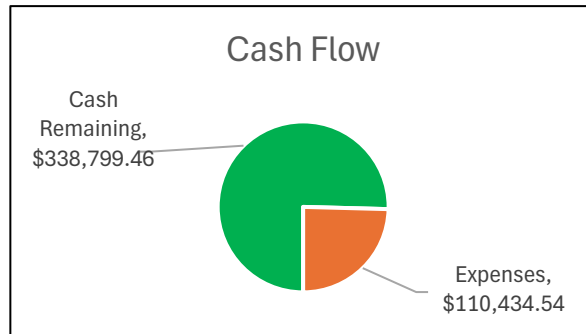
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount

Project Financial Status

Data Last Updated

July 31, 2025

Project Committee	15
Project Name	Personnel Building Reconstruction - 3525
Project Description	Personnel building reconstruction including fixtures, lightings, ceiling, tiles and minor electrical



Cash Flow

Collected	\$ 449,234.00
Expenses	\$ 110,434.54

Project Completion

Schedule	100%
Budget	25%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
T.E. Roberts	20930	\$ 78,165.00			\$ 78,165.00	\$ 78,165.00
Project Partners	20877	\$ 35,000.00			\$ 35,000.00	\$ 7,280.00
SOCWA Staff Time	3525					\$ 24,989.54
		\$ 113,165.00	\$ -	\$ -	\$ 113,165.00	\$ 110,434.54

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3525	\$ 7,817.00		\$ 7,817.00	0.0%
		\$ 7,817.00	\$ -	\$ 7,817.00	0.0%

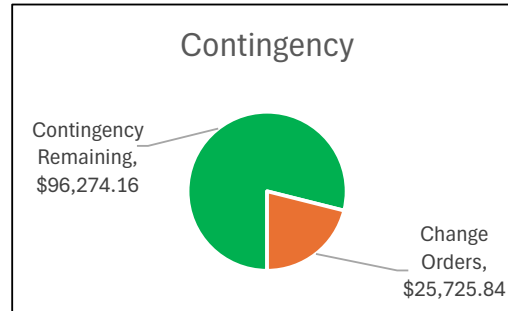
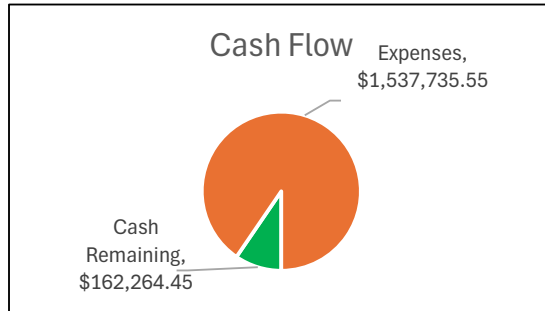
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -

Project Financial Status

Project Committee	15
Project Name	Aeration Diffusers Replacement - 35228L
Project Description	Replacement of diffusers in the aeraiton tanks.

Data Last Updated

July 31, 2025



Cash Flow

Collected	\$ 1,700,000.00
Expenses	\$ 1,537,735.55

Project Completion

Schedule	100%
Budget	96%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Filanc	19640	\$ 1,022,250.00	\$ 25,725.84		\$ 1,047,975.84	\$ 1,047,975.84
EDI	16620	\$ 250,490.00			\$ 250,490.00	\$ 250,490.00
EDI	20885	\$ 82,800.00			\$ 82,800.00	\$ 82,800.00
Hazen	17256/19641	\$ 93,578.00			\$ 93,578.00	\$ 66,641.54
SS Mechanical	20443	\$ 37,535.00			\$ 37,535.00	\$ 37,537.00
SS Mechanical	21179	\$ 81,480.00			\$ 81,480.00	
SOCWA Staff Time	35228L					\$ 52,291.17
		\$ 1,568,133.00	\$ 25,725.84	\$ -	\$ 1,593,858.84	\$ 1,537,735.55

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35228L	\$ 122,000.00	\$ 25,725.84	\$ 96,274.16	21.1%
		\$ 122,000.00	\$ 25,725.84	\$ 96,274.16	21.1%

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	Filanc	35228L	Contract Extension	4/4/2024	273	\$ -
2	Filanc	35228L	Solids removal in basins	1/25/2025	60	\$ 25,725.84

Agenda Item

6.A.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Roni Young Grant, Capital Improvement Program Manager

SUBJECT: Contract Award for Coastal Treatment Grit Tank Coating Replacement
[Project Committee 15]

Overview

The existing coating system on the grit tanks at the Coastal Treatment Plant (CTP) has deteriorated and is no longer providing adequate protection. To address this issue, a new coating system is required. The scope of work includes surface preparation and application of protective coating on two grit tank wall surfaces, extending from the top of the tank wall down six feet.

Quotes

SOCWA reached out to Murphy Industrial Coatings and MC Painting to obtain quotes for the scope of work defined by staff. Both companies submitted quotes for the work. The quote from Murphy Industrial Coatings was \$113,894, and the quote from MC Painting was \$130,940. Murphy Industrial Coatings was the lowest out of the two quotes received.

Cost Allocation

The cost allocation for the construction is shown in Table 1.

Table 2 – Cost allocation by member agency

Agency	Grit Baffles and Diffusers (35242L)
City of Laguna Beach	\$61,844.44
Emerald Bay Service District	\$3,416.82
South Coast Water District	\$48,632.74
Total	\$113,894.00

Budget

The current approved budget for the CTP Grit Baffle and Diffusers is \$200,000. Staff recommends the inclusion of a 10% contingency in the amount of \$11,390 to address any unforeseen conditions or issues that may arise during the construction phase. This would bring the total project authorization to \$125,284.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on August 14, 2025.

Recommended Action: Staff recommends that the PC 15 Board of Directors:

1. Authorize execution of a contract with Murphy Industrial Coatings in the amount of \$113,894 for the CTP Grit Tank Coating Replacement project.
2. Approve a construction contingency of \$11,390 to address any unforeseen conditions encountered during the work, for a total project budget of \$125,284.



504 Jones Road, Oceanside, CA 92058 (760) 599-8000 Phone (760)599-8775 Fax
www.mc-painting.com
CA Lic #695478 / AZ #154363 / NV #50770 / HI #35227

Proposal # GT25-65

PROPOSAL SUBMITTED TO: Gage Gesiriech	EMAIL ggesiriech@socwa.com	WORK TO BE PERFORMED AT: Coastal Treatment Plant - Grit Basin Coating
OWNER: South O.C. Wastewater Authority	DATE: 7/21/2025	JOB SITE ADDRESS: 28303 Alicia Pkwy., Laguna Niguel, CA 92677

WE HEREBY PROPOSE THE FOLLOWING:	Cost:
Section 09801 MIC Coating System: Surface Preparation(per SSPC SP-13) and application of Raven 405 Epoxy System, applied @ 120 mils MDFT, on the walls and overhead concrete surfaces of Two(2) Grit Basin Chambers. Following the surface preparation of the existing concrete, surface deterioration up to 1"deep is assumed as part of this proposal and will be resurfaced with repair mortar approved by Raven Lining Systems. Note: Areas found to have surface deterioration greater than 1 inch deep, will be considered outside of the proposed work scope and will require additional compensasation for repair.	\$ 130,940.00

Qualifications:

- 1 Work to be done during normal business hours.
- 2 Work to be completed in 1 mobilization included in proposal
- 3 Work to be completed in normal construction sequences. Out of sequence work will be subject to additional compensation.
- 4 Work to be completed with sufficient areas of work to facilitate estimated production rates.
- 5 Receipt of Addendums: N/A

Comments & Notations:

- 1 Cost for Payment and Performance Bonds are excluded
- 2 Areas to receive coatings must be free of all other trades, stored material and equipment
- 3 Standard one- year warranty, any extended warranty by specifications is between manufacture and owner
- 4 All electricity, bathrooms, water, dumpsters, and permits must be provided by owner

Exclusions:

- 1 Painting or priming required for all other areas, coating or lining of interior pipe surfaces, testing/removal of hazardous materials, rebar replacement, Dewatering and or bypass operations for Grit Chambers
- 2 Hiring of third party AMPP/NACE inspection, building of mock-ups
- 3 Any protection of coating once installed, removal or replacement of items for access to work areas, surface preparation or coating of floor areas in Grit Basins
- 4 QP-1 Certification, Signing of PLA's

Proposal Total: \$130,940.00

ALTERNATES:

- 1
- 2

All labor, material and equipment to be supplied by MC Painting. Proposal includes work as outlined above only. We are not responsible for touch-up on nuts, bolts, and flanges if piping is not properly water tested before application of coatings. All material is guaranteed to be as specified, and the work to be performed in accordance with drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of Total Dollars: \$ see above with payments made as follows: Monthly progress payments per project documents, if duration less than one month, due in full upon completion. The parties agree in the event of a dispute relating to this agreement, the prevailing party shall be entitled to an award of attorneys' fees and costs as part of the judgment/award. This contract represents the entire agreement between the parties. Any modifications to this agreement must be in writing, signed by both parties. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance upon above work. Workmen's compensation and public liability insurance on above work to be taken out by: MC Painting... *Note- This proposal may be withdrawn by us if not accepted within: 60days*

Respectfully Submitted: **Gabriel Torres** Email: Gabriel@mc-painting.com

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.
Payments will be made as outlined above. A contract issued for above work constitutes acceptance of this proposal as scope of work.

Signature: _____

Date: _____



MC Painting is a certified WBE Certification # 2005124788, DIR # 1000026859



Corporate Office
2704 Gundry Avenue
Signal Hill, California 90755-1811
(562) 427-7720 Fax (562) 426-6751
www.murphy.ac

Northern CA Office
125 Gandy Dancer Drive, Suite 110
Tracy, California 95377
(209) 832-7940 Fax (209) 832-7939

Southwestern Office
50-B West Hoover Avenue
Mesa, Arizona 85210
(480) 981-0185 Fax (480) 981-1567

July 23, 2025

Attention: Gage Gesiriech
Reference: Grit Tank CTP
Subject: Field Coating Scope of Work

We are pleased to provide the following proposal for surface preparation and coating of two grit tanks, including optional unit pricing for crack and concrete repair.

Scope of Work:

- Prepare and coat approximately 600 total square feet of tank wall surfaces (combined for both tanks), from the top of the grit tank walls down six feet.
- Provide rolling scaffolding to access all four sides of each tank.
- Perform all work in accordance with industry standards and project specifications.

Pricing:

- Lump Sum for Surface Preparation and Coating (600 SF total): **\$113,893.00**
- Epoxy Crack Injection (as needed): **\$197.00** per linear foot
- Concrete Surface Repair (up to 1/4" depth on vertical surfaces, as needed): **\$100.00** per square foot

Qualifications and Assumptions:

1. Coating area is limited to the top six feet of the grit tank walls, totaling approximately 600 SF.
2. Rolling scaffolding access will be available to access all four sides of each tank and is included in our pricing.
3. Unit rates for crack and concrete repair will be applied only to areas directed and approved by the owner or engineer.
4. All work is based on standard working hours and normal site conditions.

We appreciate the opportunity to provide this proposal and look forward to working with you on this project. Please contact us if you have any questions or require adjustments to this scope.



Subcontractors Listed Information:

California License No. 310594, Type C-33 (Exp. 10/31/25)

DIR Public Works Contractor Registration No. 1000005885 (Exp. 06/30/26)

Labor: Union. Bondable. **California SBE No. 1008397.**

Please call me if you have any questions or require additional information.

MURPHY INDUSTRIAL COATINGS, INC.

Rick Staker

Project Manager

Agenda Item

6.B.

Budgeted: No

Legal Counsel Review: No

Meeting Date: September 4, 2025

TO: PC 15 Members

FROM: Amber Boone, General Manager

SUBJECT: Water Research Foundation Proposal

Summary

The Coastal Treatment Plant (CTP) has a design capacity of 6.7 MGD. SOCWA aims to identify a right sizing the plant and energy demands in a cost-effective manner. SOCWA staff is proposing to embark on a Water Research Foundation (WRF) Tailor Research Collaboration (TRC) to inform the Master Planning process. SOCWA has been notified by the Water Research Foundation that the proposal has moved to Stage 2, where full proposals are due September 8, 2025.

Discussion/Analysis

CTP currently receives an average daily flow of 2.38 MGD and an average peak flow of approximately 4.42 MGD. SOCWA's future goals involve increasing water reuse, "right sizing" the plant operation to match the realized flow and loads, lower energy use, provide environmental stewardship, reduce flows to the Ocean, and plan for potential on-site solids management.

To inform the Master Plan that is to be initiated soon, SOCWA intends to perform a pilot research study to evaluate suitable alternative technology/technologies through the Water Research Foundation (WRF) Tailored Collaboration Research (TCR) program. SOCWA is a long-time subscriber of WRF. The estimated budget for this study is \$300,000. The request is for the project team to pledge \$150,000 in for successful completion of this project. The remaining \$150,000 is requested from WRF.

Fiscal Impact

The TRC is up to \$150,000 in matched funding by the subscriber (SOCWA). These monies have not been budgeted, and SOCWA PC15 member agencies would need to contribute for this proposal to be successful.

Agency	Capacity (%)	Cost Per Agency (\$)
CLB	54.3%	\$ 81,450.00
EBSD	3.0%	\$ 4,500.00
SCWD	42.7%	\$ 64,050.00
Total	100.0%	\$ 150,000.00

Recommended Action: Committee Discussion and Direction.

Attachment: Final Draft Proposal.

TAILORED COLLABORATION PROGRAM PRE-PROPOSAL

PROPOSER INFORMATION

Sponsoring Utility: South Orange County Wastewater Authority (SOCWA)

Contact Person at Utility
(name, email, phone #): Amber Boone, amberb@socwa.com, 949-234-5409

Coordinating PI/Organization
(name, email, phone #): Brett Wagner, brett.wagner@aecom.com, 913-961-5559

PROJECT INFORMATION

Project Title: Transitioning from Conventional BOD Removal to Advanced Nitrogen Removal:
Evaluating the Impacts of Low Dissolved Oxygen on Simultaneous Nitrification
and Denitrification and Sludge Characteristics

Project Period: Q2 2026 – Q1 2028

List all organizations planning to participate in the study.

<u>Organization Name</u> (note with * subscriber organizations whose funding is eligible for WRF match)	<u>Cash Co- Funding (Funds to WRF)</u>	<u>In-Kind (Goods & Services by 3rd Parties)</u>	<u>Total Funding (Cash + In-Kind)</u>
1 SOCWA	\$150,000	\$10,000	\$160,000
2 AECOM	\$0	\$10,000	\$10,000
3			
4			
5			
6			
7			
8			
9			
10			
Subtotal	\$150,000	\$20,000	\$170,000
Funds Requested from WRF		N/A	\$150,000
Total Project Budget:			\$320,000

**Transitioning from Conventional BOD Removal to Advanced Nitrogen Removal:
Evaluating the Impacts of Low Dissolved Oxygen on Simultaneous Nitrification and Denitrification and
Sludge Characteristics**

Research Objective:

This study will assess the impact of low dissolved oxygen (DO) activated sludge treatment on simultaneous nitrification and denitrification (SND) rates, denitrifying heterotrophic microbial communities, sludge morphology, and sludge yields at the South Orange County Water Authority Coastal Water Treatment Plant during its transition from conventional biochemical oxygen demand (BOD) removal to low DO nitrogen removal.

While previous studies on low DO secondary treatment have identified the potential for SND, the mechanisms driving improved SND rates have been inconclusive. In processes where SND has been observed, it remains unclear whether SND results from adaptation (a shift in denitrifying populations), acclimation (increased expression of denitrifying enzymes), or changes in sludge morphology that affect substrate diffusion and apparent inhibition kinetics for denitrification. In addition, the impact of low DO on biomass yields and solids management has not been thoroughly investigated.

This study aims to fill critical knowledge gaps by characterizing changes in denitrification kinetics, heterotrophic adaptation, sludge morphology, and sludge yields while converting to low DO operation. The results of this study will provide valuable insights for water resource recovery facilities (WRRFs) that are considering or have already implemented low DO as a strategy for reducing energy and nutrients and will help them better understand the drivers beyond DO that enable or hinder successful SND.

Background/Understanding of the Problem:

South Orange County Wastewater Authority (SOCWA) is planning to increase their non-potable recycled water program and ***is seeking an energy-efficient nutrient removal solution that reduces their carbon footprint while right-sizing their existing facility for optimal cost effectiveness.***

SOCWA's Coastal Water Treatment Plant, located in Laguna Niguel, California, has a design capacity of 6.7 million gallons per day (MGD). The plant currently receives an average daily flow of 2.38 MGD and an average peak flow of approximately 4.42 MGD. The treatment process consists of screening, chemically enhanced primary treatment, secondary treatment for carbon removal, tertiary filtration, and disinfection. SOCWA currently recycles approximately 1 MGD for non-potable uses and discharges the remaining effluent through an ocean outfall.

SOCWA is evaluating the potential for expanding the current water reuse program due to potable water supply challenges which would require nitrogen removal from their secondary treatment process. However, nitrification would require an increase in oxygen demand which would increase energy consumption and operational costs. Effective use of influent carbon is also critical to avoid the need for either a nitrified recycle pump for denitrification in a pre-anoxic zone or supplemental carbon for denitrification in a post-anoxic zone, both of which would further increase operational costs.

Primary and secondary solids from the Coastal Water Treatment Plant are transferred to the SOCWA Regional Treatment Plant for resource recovery through anaerobic digestion. This transfer occurs via a force main with limited capacity, so any additional sludge produced from nitrification would need to be carefully managed to prevent overloading the system.

Given the disparity between its operating and design capacities, need to efficiently manage costs, and challenges in sludge management, increasing the aerobic solids retention time (SRT) under low DO conditions in an Anaerobic – Oxic (A/O) configuration could support cost-effective nitrogen removal and enhanced biological phosphorus removal that would reduce their chemical consumption. Nitrogen removal would occur in the aerobic zone, without a recirculation pumping or supplemental carbon addition, as long as conditions can support SND.

Previous studies have researched SND, including Water Research Foundation (WRF) projects “Advancing Low-Energy Biological Nitrogen and Phosphorus Removal” (WRF 5083) and “Transforming Aeration Energy in Water Resource Recovery Facilities (WRRFs) through Suboxic Nitrogen Removal” (DE-EE0009509/WRF 5148). WRF 5083 indicated that dissolved oxygen (DO) concentrations below 0.2 mg/L limit nitrogen removal due to insufficient nitrification, while concentrations above 0.5 mg/L inhibit denitrification. Klaus and Bott further hypothesized that the ability to perform SND was impacted by the reactor configuration (Klaus & Bott, 2020). They observed that process configurations with pre-anoxic zones (MLE, A2O, Bardenpho, etc.) are less likely to have their total inorganic nitrogen (TIN) removal increase from low DO SND when compared to configurations without pre-anoxic zones (A/O). This is likely due to greater carbon availability for denitrification in configurations without pre-anoxic zones, where more carbon remains in the downstream aerobic zones that can support increased levels of SND.

WRF 5083 also investigated how the carbon to nitrogen ratio and DO concentrations impacted TIN removal and how the DO concentration impacted nitrate removal rates and the denitrifier inhibition coefficient (K_{i,O_2}). The study found that low DO facilities have a higher K_{i,O_2} which suggests heterotrophic denitrifiers in a low DO process are more efficient at denitrification. This change in inhibition could have resulted from adaptation (a shift in the microbial community) or acclimation (increased production of denitrifying enzymes), but the study did not determine which mechanism was responsible. As a result, further research is needed to better understand the factors driving successful SND under low DO conditions. The authors recommended future studies focus on (1) the impact of low DO on ordinary heterotrophic organism (OHO) adaptation and biokinetics, and (2) the impact of DO on particle size and floc density, and how these affect apparent half-saturation coefficients. These topics will be addressed in the current study.

Technical Approach:

The full-scale demonstration will be performed at the SOCWA Coastal Treatment. One half of the facility with an isolated treatment train and clarifiers will be converted into a low DO A/O configuration while the other half will serve as an experimental control. Additional lab-scale investigations will be conducted. The following tasks encompass the scope of work for the study:

Task 1 – Baseline Evaluation: Energy consumption, effluent quality, sludge production, and sludge characteristics at traditional full-scale operation will be documented. These metrics will serve as benchmarks for comparison during the Low DO study.

Task 2 – Establish Nitrification: Nitrification will be established by increasing the aerobic SRT and adjusting the DO concentrations as needed to allow for nitrifiers to grow.

Task 3 – Full-Scale Low DO Evaluation: The adaptation of the existing nitrifying community to low DO conditions will be evaluated through a stepwise reduction in DO setpoints. DO setpoints will gradually decrease within a range of 0.2 to 1.0 mg/L to assess their impact on SND, energy consumption, effluent quality, sludge production, and sludge characteristics. Shifts in heterotrophic adaptation will be assessed through 16S rRNA microbial community sequencing. Changes in sludge characteristics will be examined using fluorescence in situ hybridization (FISH), particle size distribution, and density analyses.

Task 4 – Lab-Scale Batch Tests: During the full-scale evaluation, batch substrate utilization tests will be conducted to record changes in ammonia and nitrate removal rates and yields for ammonia oxidizing organisms and denitrifying organisms.

Task 5 – Deliverables and Outreach: A summary report and webinar will disseminate the results. The webinar will be recorded and available on demand from the WRF website to WRF subscribers (1,200+), WEF members (35,000+), and the greater water quality community.

Originality and Innovation of the Research:

This project advances the field of low DO nitrogen removal by building directly upon the work of WRF 5083, WRF 5148, and other leading studies. While previous research has identified the potential for SND under low DO conditions, key knowledge gaps remain regarding the role of heterotrophic adaptation, acclimation, and sludge characteristics on SND performance.

Potential Relevance and Future Applications:

The SOCWA Coastal Treatment Plant is a small utility with a limited capital investment budget. Demonstrating that a utility of this scale can successfully implement nitrogen removal under low DO to better match operations to facility size, reduce energy use, and lower nutrient levels will encourage other small utilities to adopt low DO operations which supports water reuse and decarbonization efforts. Additionally, the data on SND and sludge impacts will be valuable for facilities of any size.

Budget:

The estimated budget for this study is \$300,000. The project team pledges \$150,000 in cash and in-kind contributions for successful completion of this project. The remaining \$150,000 is requested from WRF.

Schedule:

The project is expected to be completed in approximately 24 months after the kick-off date (Table 1).

Table 1: Preliminary Project Timeline

Task Description	Q2 2026	Q3 2026	Q4 2026	Q1 2027	Q2 2027	Q3 2027	Q4 2027	Q1 2028
Project Management								
Task 1 - Baseline Evaluation								
Task 2 - Establish Nitrification								
Task 3 - Full-Scale Low DO Evaluation								
Task 4 - Lab-Scale Batch Tests								
Task 5 - Deliverables and Outreach								

Statement of Qualifications:

The sponsoring utility and partners have extensive experience in applied research for low DO conditions, biological nutrient removal, process intensification, and resource recovery in wastewater treatment.

Amber Boone | SOCWA | Co-PI: Amber is the General Manager at SOCWA. Her experience at SOCWA has involved advancing initiatives in water reuse, environmental stewardship, and sustainable water management practices.

Brett Wagner | AECOM | Co-PI: Brett is a wastewater process engineer at AECOM and has a demonstrated history of applied wastewater process intensification research including the US Department of Energy project “Technological Upscaling of the Partial Denitrification-Anammox Process for Decarbonization with Mainstream Deammonification (DE-EE0010994)” and WRF Project 5346 “Process Intensification and Decarbonization via Carbon Management: Pilot-scale Demonstration of the Triple A Settler Technology in Municipal Wastewater Treatment”.

References:

- Jimenez, J. A., Sturm, B. M., Dold, P. L., & Downing, L. (2024). Advancing Low-Energy Biological Nitrogen and Phosphorus Removal (WRF Project No. 5083).
- Klaus, S., & Bott, C. B. (2020). Comparison of sensor driven aeration control strategies for improved understanding of simultaneous nitrification/denitrification. *Water Environment Research*, 92(11), 1999–2014. <https://doi.org/10.1002/wer.1359>
- Rauch-Williams, T., Young, M., Beach, N., Ackman, P., & Weiland, T. (2024). Transforming Aeration Energy in Water Resource Recovery Facilities (WRRFs) through Suboxic Nitrogen Removal (US DOE Project No. DE-EE0009509/WRF Project No. 5083).

Agenda Item

7.B.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors
FROM: Amber Boone, General Manager
SUBJECT: General Manager's Status Report

JBL Facility Planning Assessment RFP

On August 22, 2025, the Facility Planning Assessment RFP was released, a precursor to the Master Plan process based on direction from the PC2 Members. The following schedule is provided below to meet contract obligations for meeting the December 31, 2025, deadline.

Milestone	Date
Publish on PlanetBids	8/15/25
Pre-Proposal Meeting	9/11/25
Questions cutoff	9/25/25
Proposals Due	10/7/25
Interviews/Selections	Oct-Nov
EC for Recommendation	11/13/25
Board for Authorization	12/11/25

CTP Master Planning RFP

Staff is completing comments related to the CTP Master Plan and will bring to the Board in October for final approval.

SOCWA Uniform Purchasing Policy Compliance

Per the SOCWA December 2024 Uniform Purchasing Policy, the General Manager will report authorized purchases to the Board that were over \$25,000 but under \$100,000. The following items were authorized since the last Board meeting report.

Purchase	Amount
Spent Cogen Carbon Media Disposal Open Purchase Order	\$25,000.00
Annual WEROC Emergency Management Membership	\$26,839.29

General Manager Industry Engagement

On August 20, 2025, Ms. Boone provided a presentation entitled “3 Buckets of AI” for the Orange County Water Association. The presentation was also provided to the Orange County Water District, and a shorter version of the presentation was provided to the Santa Margarita Water District.

Agenda Item

7.C.

Board of Directors Meeting

Meeting Date: September 4, 2025

TO: Board of Directors
FROM: Amber Boone, General Manager
SUBJECT: Ocean Institute Partnership Opportunity

Executive Summary

Staff recommends approval of a \$50,000 sponsorship with the Ocean Institute to enhance public education for water quality, conservation, and ocean health. This partnership aligns with SOCWA's mission, providing branding, educational signage, internship funding, and venue access, while reaching over 120,000 annual visitors. This partnership supports SOCWA's goals in water quality protection and amplifying messaging via OI's audience in our service area over a five-year period.

Background

The Ocean Institute (OI), a 501(c)(3) nonprofit founded in 1977, educates ~100,000 students, teachers, parents, and visitors annually through 60+ marine science and maritime history programs at its 2.4-acre Dana Point Harbor facility, adjacent to a Marine Protected Area. Facilities include teaching labs, the Maddie James Seaside Learning Center, a tall ship, and research vessel, with programs emphasizing immersion, curiosity, and learning in coastal ecology and watersheds.

For 2024-2025, on-site school programs serve ~18,000 K-12 students and teachers via 50+ programs, including Adopt-A-Class for Title I schools and teacher training as conservation multipliers. Daily peak capacity: 300-500 students. Public programs attract ~120,000 visitors yearly (300-500/day on weekends), serving local cities (Dana Point, San Clemente, etc.), Southern California, 35+ U.S. states, and international audiences, with focus on diverse demographics and STEAM education.

Major events: Maritime Festival (~15,000 attendees over 2.5 days) and Annual March Gala. Metrics include 250,000 website visits, 25,000 newsletter subscribers, 43,000 social media followers, and 300,000 monthly views. 2025 press: 17.5 billion UVM and \$412,000 ad value from outlets like NBC LA, LA Times, and OC Register. The proposal highlights alignment with SOCWA's wastewater management and monitoring efforts.

Proposal Details

The partnership features the SOCWA logo and name prominently displayed on a Donor Plaque in the Ocean Institute's Gift Shop, along with educational signage installed across the OI campus—where OI provides the specifications and sizes, and SOCWA supplies the content—including hallway signs detailing the Aliso Creek and San Juan Creek outfalls and monitoring

activities such as 21 ocean sites checked monthly, 12-9 beach sites monitored weekly, and approximately 2,200 water quality samples collected annually; water refill stations that promote reuse and recycling to reduce single-use plastics; and sink and restroom signs emphasizing conservation practices, recycled water applications by SOCWA Member Agencies. These strategically placed, high-visibility locations effectively connect everyday habits to broader ocean protection efforts.

Additionally, the partnership offers SOCWA the benefit of using the Ocean Institute's venue for quarterly or annual meetings from Monday to Friday, with options for the Boardroom or Surf Deck spaces and an educational presence provided by OI staff, featuring flexible scheduling coordinated with the OI events team and potential marketing opportunities such as a booth during the Maritime Festival.

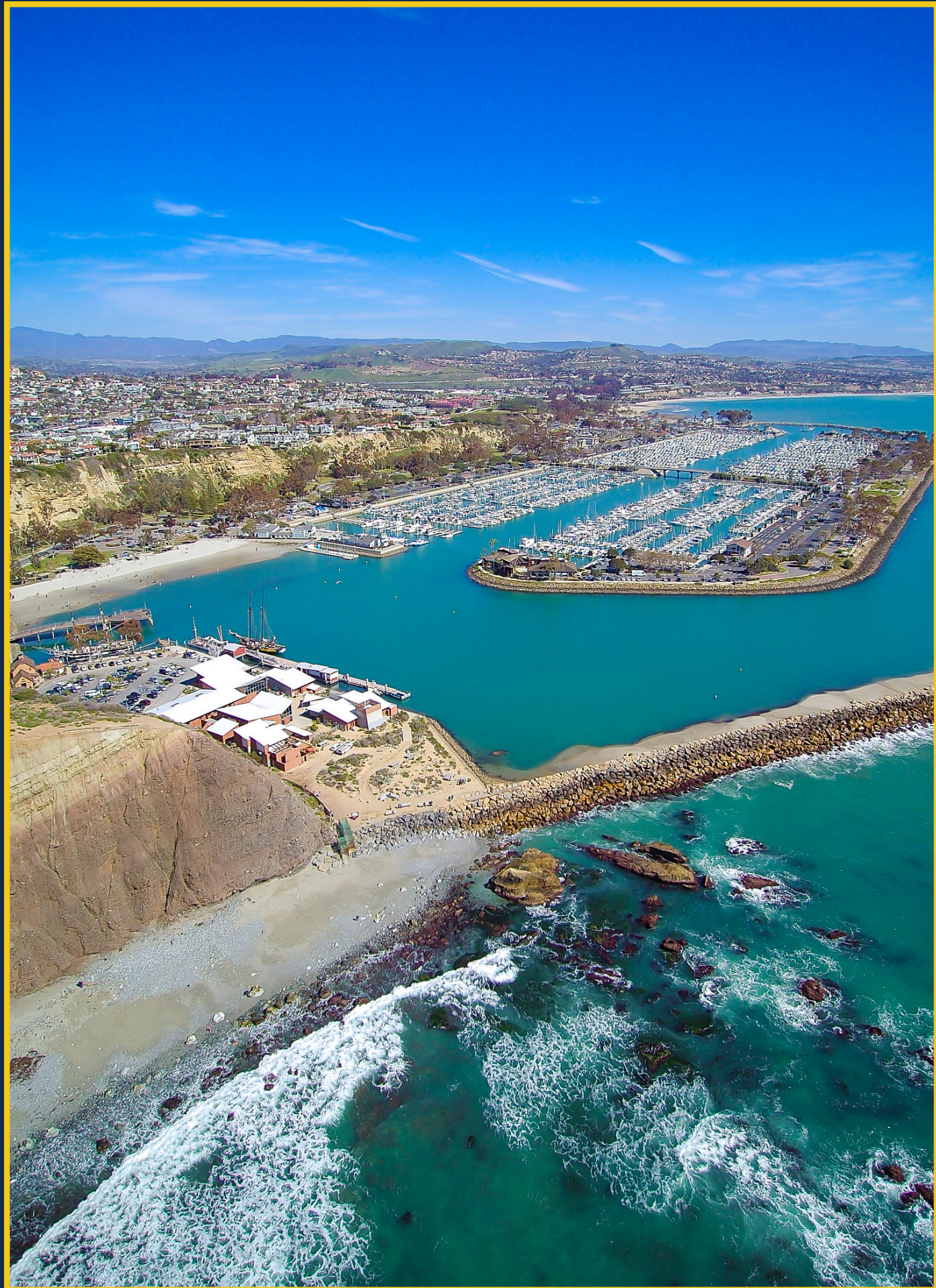
Internship Scholarships

The partnership also includes funding for SOCWA-branded internships as part of the Ocean Institute's long-standing Internship Academy Program, with potential projects aligned to SOCWA's mission such as "Harbor Health Watch" involving intern-led water quality monitoring and reporting, "Microscopic Influencers" focused on identifying blooms and biotic factors affecting aquarium water intake, and "From Algae to Aquarium" aimed at developing a sustainable clam diet for enhanced water filtration.

Fiscal Impact

One-time \$50,000 from community outreach budget; minor internal costs for content.

Recommended Action: Board Discussion, Direction, or Action.



OCEAN INSTITUTE + SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



SPONSORSHIP/COMMUNITY PARTNERSHIP

Ocean 
Institute

 **SOCWA**
South Orange County Wastewater Authority

KAITLYN DAVIDSON
SENIOR DEVELOPMENT AND MARKETING MANAGER
OCEAN INSTITUTE
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ABOUT

The Ocean Institute, founded in 1977, is a community-based 501(c)(3) organization that educates 100,000 children, teachers, parents, and visitors annually through over 60 marine science and maritime history programs. We are located on 2.4 acres in the Dana Point Harbor; adjacent to a Marine Protected Area. The facility is an ocean education center that offers in-depth marine science and maritime history programs.

The Institute includes state-of-the-art teaching labs, the spectacular Maddie James Seaside Learning Center, a historic tall ship, and an oceanographic research vessel. Immersion-based field trips range from one-hour science labs to multi-day programs at sea. All programs are designed to maximize immersion, spark curiosity, and inspire a deep commitment to learning.

OUR MISSION STATEMENT

*"USING THE OCEAN AS OUR CLASSROOM,
WE INSPIRE CHILDREN TO LEARN."*





OUR IMPACT

On-site School Programming: 2024-2025

- ~18,000 students and teachers served annually through formal K–12 programs.
 - 50+ distinct school programs, with strong demand for coastal ecology and watershed experiences.
 - Adopt-A-Class sponsorships ensure Title I schools have access to transformative field trips, fostering equity and lasting community connections.
- Hundreds of teachers participate each year, representing dozens of Southern California school districts.
 - These educators are key multipliers for SCWD’s conservation messaging in their classrooms.
- Average daily capacity for school programs during peak season: 300–500 students/day.
 - Multiple classes simultaneously rotate through labs, boats, and outdoor sites—including our new Estuary Exploration Center stations.

OUR IMPACT

On-site Public Programming: 2024-2025

- Ocean Institute's Local Impact for current on-site programs:
- Serves thousands annually from core cities:
 - Dana Point, San Clemente, Laguna Niguel, Irvine, Mission Viejo, and surrounding areas
- Strong presence in Orange County and all of Southern California
- Regional & National Reach
- Visitors from across California, including:
 - Los Angeles, San Diego, Riverside, San Francisco, and Sacramento
- Serves participants from 35+ U.S. states, including:
 - Arizona, Texas, Nevada, New York, Florida, Illinois, Washington, and more
- International Presence
- Engages audiences from:
 - Canada, United Kingdom, and other global locations
- Diverse Demographic
- Families, students, and educators from a wide range of socioeconomic, cultural, and educational backgrounds
- Programs serve all ages, with special emphasis on Title I schools, community engagement, and STEAM education



OUR IMPACT

On-site Public Programming: 2024-2025



- ~120,000 total annual visitors to the campus
- Includes families, tourists, local residents
- Weekend & seasonal visitors:
 - ~300–500 visitors/day on peak weekends.
 - High capture rate for foot traffic and visibility when the vehicle is not in use. (Parked in OI parking lot)
 - When the vehicle is in use, the visibility is great and branding on the vehicle will directly point to the partnership between RIVIAN and the Ocean Institute

FUNDRAISING

MAJOR EVENTS AT OCEAN INSTITUTE

Maritime Festival: Ocean Institute's signature event.

- ~15,000+ attendees over 2.5 days.
- Multiple sponsorship and branding opportunities (banners, booths, printed materials, main stage recognition).
- Activation booth during Maritime Festival in Ocean Institute parking lot/festival grounds.
- Marketing Benefits as a Maritime Festival Sponsor/Community Partner of the Ocean Institute

Annual March Gala: Premier Event

- Attended by Ocean Institute's top donors, corporate partners, civic leaders, and community supporters
- Sponsorship opportunities for branding on event materials, signage, and program features
- 2 Tickets for Rivian executives/staff to attend



PARTNERSHIP OPPORTUNITY

SUPPORT LEVEL: \$50,000 SPONSORSHIP

Recognition & Branding

- SOCWA logo/name on Donor Plaque in Gift Shop
- SOCWA educational signage around on OI campus (*see next slide*)
 - OI will provide signage specifications and sizes for the SOCWA team and SOCWA will provide OI with educational content
- SOCWA Internship Scholarships as part of OI's long-standing internship Academy Program (*see 2 slides over*)

Additional Partnership Benefits

- Use of Ocean Institute's venue to host SOCWA quarterly or annual meetings (available Monday-Friday)
 - OI presence to educate your guests
 - Boardroom or Surf Deck space options
 - Flexible scheduling coordinated with our events team
 - Frequency and timing tailored to sponsorship level and needs.



**Ocean
Institute**

SOCWA
South Orange County Wastewater Authority

EDUCATIONAL SIGNAGE AT OI



PUBLIC ACCESS HALLWAY SIGNS

- High Visibility & Foot Traffic: Restrooms are one of the most visited areas on campus, ensuring that nearly every guest will encounter SOCWA's messaging.
- Relevant Setting: Placing signage near sinks and toilets directly connects the message to daily water use and wastewater habits, making it more impactful.
- Educational Reinforcement: The hallway location provides a pause-point where families, students, and visitors are already in a learning mindset, reinforcing SOCWA's role in conservation and water stewardship.
- Community Connection: Signage here highlights SOCWA's partnership with Ocean Institute, showcasing a shared commitment to protecting local water resources and the ocean for future generations.

WATER REFILL STATION

- Direct Conservation Action: Guests are already making a sustainable choice by refilling bottles—signage reinforces SOCWA's water-saving message at the exact point of action.
- High Engagement Opportunity: Refill stations naturally create a short wait, giving visitors a moment to read and absorb educational content.
- Plastic Reduction Tie-In: Messaging can highlight the connection between reducing single-use plastics, conserving water, and protecting ocean health.
- Positive Brand Alignment: SOCWA's presence at the station underscores its leadership in water stewardship, connecting everyday choices to regional water quality and sustainability.

SINK SIGNS IN EXHIBIT SPACES

- Hands-On Connection: Reinforces water conservation while guests are actively using water.
- Captive Audience: Visitors spend 20–40 seconds at sinks—perfect for quick, impactful messages.
- Thematic Tie-In: Links daily habits to ocean health, supporting OI's mission and aligns with SOCWA's values.
- Behavioral Reminder: Encourages turning off taps and keeping harmful items out of drains.

ALIGNS PERFECTLY WITH SOCWA'S MISSION AND COMMUNITY VALUES

- Reinforces your leadership in delivering clean, reliable water while protecting natural resources.
- Demonstrates commitment to environmental education, sustainability, and community engagement.
- Provides a lasting, visible investment in the next generation of water-wise residents.

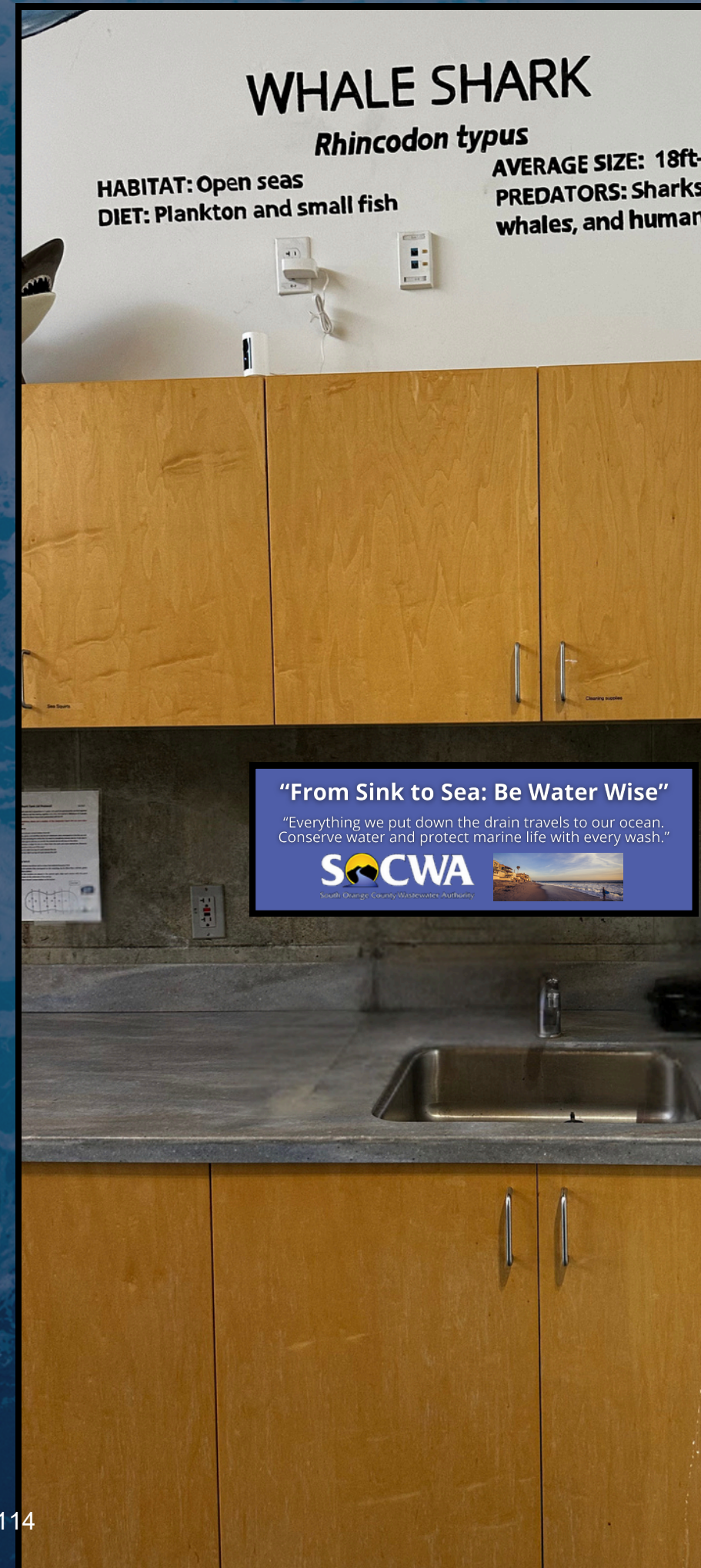
New water refill station



Restroom stall signs



Sink Signs in Exhibit Space



Sink Signs in Exhibit Space




EDUCATIONAL SIGNAGE AT OI

Wall #1

Restrooms →


From Drain to Ocean:
Do Your Part



Aliso Creek Ocean Outfall

- Year Built: 1979
- Length: 1.5 Miles (8,700 feet) off Aliso Creek Beach at a depth of 195 feet
- Capacity Used Today: 9.3 million gallons per day
- Ocean Water Quality Monitoring Sites: 21
- Ocean Monitoring Frequency: Once per month
- Beach Water Quality Monitoring Sites: 12
- Beach Monitoring Frequency: Weekly
- Annual Water Quality Samples: Nearly 2,200


Purpose: The Aliso Creek Outfall discharges highly treated wastewater 1.5 miles off the Orange County coast in accordance with strict state and federal laws. The Regional Water Quality Control Board governs this discharge process. SOCWA holds a National Pollution Discharge Elimination System (NPDES) permit, which must be renewed by the Regional Board by application filed every five years.



San Juan Creek Outfall

Year Built: 1978
Length: 2.2 Miles (10,334 feet) off Doheny State Beach at a depth of 100 feet
Capacity Used Today: 10.5 million gallons per day
Ocean Water Quality Monitoring Sites: 21
Ocean Monitoring Frequency: Monthly
Beach Water Quality Monitoring Sites: 9
Beach Monitoring Frequency: Weekly
Annual Water Quality Samples: Nearly 1,700

Purpose: The San Juan Creek Ocean Outfall discharges highly treated wastewater 2.2 miles off the Orange County coast in accordance to strict state and federal laws. The Regional Water Quality Control Board governs this discharge process. SOCWA holds a National Pollution Discharge Elimination System (NPDES) permit, which must be renewed by application to the Regional Board filed every five years.




South Orange County Wastewater Authority


PUBLIC ACCESS HALLWAY SIGNS



Restrooms



South Orange County Wastewater Authority




This is water that would have otherwise washed out to sea and been replaced by an expensive potable (drinking) water supply that must be imported from hundreds of miles away. Recycled water sources go through rigorous treatment to meet or exceed intense state and federal requirements prior to reuse.

Recycled Water Uses

- Irrigation parks, golf courses, medians and landscape areas
- Recreational lakes, including swimming and fishing
- Dust control
- Industrial processes
- Commercial toilets

Learn more about the community wide benefits of recycled water.
[Regulatory Documents](#)
[2024 Salt & Nutrient Management Plan](#)



Wall #2

INTERNSHIP PROGRAMS

OCTOBER 2025- JUNE 2026

SOCWA INTERN PROJECTS

- Harbor Health Watch: Intern-led Water Quality Monitoring & Reporting
- Microscopic Influencers: Identifying Blooms and Biotic Factors Affecting Aquarium Water Intake
- From Algae to Aquarium: Developing a Sustainable Clam Diet for Enhanced Water Filtration

BASIC REQUIREMENTS

- 4 hour shift, 1 day a week for entire program
- Mandatory Workshop attendance
- Adhere to all deadlines
- Participation in end of program Showcase

KEY RESPONSIBILITIES

- Act as an integral part of the Ocean Institute's team of educators, including staff and volunteers
- Uphold high expectations for professionalism and teamwork, in alignment with Ocean Institute's mission
- Gain hands-on experience with designing and executing a project, conducting data collections and organization, and contributing findings to the larger scientific community
- Practice critical thinking, scientific research, public speaking, and science communication

IMPORTANT DATES

- July 9 – Applications Open
- August 17 – Applications Close at 11:59pm
- August 11 to September 5 – Interview Window
- September 8 – Internship Awarded
- September 23 – Orientation
- September 27-28 – Start date
- November 24-30 – Fall Break
- December 9 – Workshop 1: Project Development
- December 22 – January 4, 2026 – Winter Break
- February 10, 2026 – Workshop 2: How to Recognize Patterns in Your Data
- Spring Break – Align with your school break
- April 28, 2026 – Workshop 3: How to Make a Good Poster
- June 6-7, 2026 – Intern Showcase

ALIGNS PERFECTLY WITH SOCWA'S MISSION AND COMMUNITY VALUES

- Strengthens SOCWA's role in safeguarding water quality and protecting coastal resources.
- Showcases commitment to environmental education, sustainability, and hands-on community science.
- Invests in training the next generation of water-conscious leaders.

AUDIENCE METRICS & REACH

120,000

total visitors, students, teachers/ year

website visits annually

250,000

25,000

Newsletters Subscribers

Instagram + Facebook Followers

24,000 + 19,000

300,000

Average monthly views on social media

PRESS + MEDIA

Total 2025 UVM to Date: 17.5 Billion
Total 2025 Ad Value to Date: \$412,000

PRESS HIGHLIGHTS 2025

- NBC LA - [Bioluminescence tours 'light up the night' in Dana Point](#)
- LA TIMES - [Dana Point invites visitors to dive into its annual Festival of Whales](#)
- OC Register - [Summer camp guide 2025: Academic and STEM camps](#)
- Dana Point Times - [Ocean Institute Seeks Support for New Exhibit](#)



TOGETHER WE WILL...

- INSPIRE STEWARDSHIP FOR OUR LOCAL WASTEWATER AND WATERSHEDS
- EDUCATE THE NEXT GENERATION
- BUILD A LASTING LEGACY OF CONSERVATION

Ocean
Institute



South Orange County Wastewater Authority

THANK YOU

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