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

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

April 6, 2023
8:30 a.m.

PHYSICAL MEETING LOCATION:
34156 Del Obispo Street
Dana Point, CA 92629

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

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

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

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South Orange County Wastewater Authority
Board of Directors Meeting
April 6, 2023

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.

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5. CONSENT CALENDAR

- A. Minutes of Board of Directors 1

1. Board of Directors Meeting of January 5, 2023
2. Board of Directors Meeting of February 2, 2023
3. Board of Directors Meeting – Closed Session of February 17, 2023
4. Board of Directors Meeting of March 2, 2023
5. Board of Directors Meeting of March 31, 2023

ACTION The Board will be requested to approve subject Minutes.

- B. Minutes of Project Committee 2.....45

1. Project Committee 2 Meeting of January 31, 2023
2. Project Committee 2 Meeting of February 21, 2023

ACTION The PC 2 Board will be requested to approve subject Minutes;
and the Board will be requested to receive and file subject
Minutes.

- C. Minutes of Finance Committee50

- Finance Committee Meeting of December 20, 2022

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

- D. Financial Reports for the Month of December 2022.....53

1. Summary of Disbursements for December 2022 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)

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5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)
6. Mid-year Fringe Pool and Fringe Rate Forecast (Exhibit E-5)

ACTION The Finance Committee recommends that the Board of Directors ratify the December 2022 disbursements, \$4,037,903, for the period from December 1, 2022, through December 31, 2022, and to receive and file the December 2022 Financial Reports as submitted.

E. Q2 FY 2022-23 Cash Roll Forward as of December 31, 2022 74

ACTION The Finance Committee recommends that the Board of Directors receive and file the Q2 Fiscal Year 2022-23 Cash Roll Forward as submitted.

F. Operations Report (February)..... 88

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

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

G. Capital Improvement Program Status Report (March) 142

ACTION Information item; receive and file.

H. Capital Improvement Construction Projects Progress and Change Order Report (March) [Project Committees 2, 15, & 17] 145

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

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- I. Hach 1-Year NITRATAX Plus Probe Service Contract \$12,232.00
[Project Committees 2, 15, & 17] 157

ACTION Staff recommends that the Board of Directors authorize the General Manager purchasing authority to execute a sole source contract with Hach for a 1-year service contract to service the eight (8) NITRATAX Plus Probes \$12,232.00 plus tax and shipping determined at the time of shipping.

- J. Chlor Akali Products Sodium Hydroxide (Caustic Soda) 6-month Contract Extension
[Project Committees 2, 15, & 17] 160

ACTION Staff recommends that the Board of Directors authorize the General Manager to exercise the first of three (3) six 6-month renewals with Northstar Chemical, Inc. (a DBA of Pacific Star Chemical, LLC.) at the current pricing.

- K. Small Capital Digester Gas Condensate and Drain Valves from Environmental Water Solutions, Inc. (EWS) for over \$50,000 (plus shipping, taxes, and fees
[Project Committee 17] 164

ACTION Staff recommends that the Board of Directors ratify the authorization for the General Manager to purchase the Digester Gas Condensate and Drain Valves from EWS for \$48,950.00 plus actual shipping costs and applicable fees determined at the time of shipping with a total cost anticipated cost to be over \$50,000.

- L. Contract Award for Coastal Treatment Plant (CTP) AWMA Road Guardrail Replacement Project [Project Committee 15] 166

ACTION The Engineering Committee recommends that the PC 15 Board of Directors approve the contract to Danny C. Hubbs in the amount of \$48,770 for the Coastal Treatment Plant AWMA Road Guardrail Replacement Project with a contingency of \$10,000.

- M. Contract Award for Regional Treatment Plant (RTP) Cogen Engine Black Start Operation Upgrade [Project Committee 17] 169

ACTION The Engineering Committee recommends that the PC 17 Board of Directors award the contract to Wester Energy in the amount of \$75,000 for the Cogen Engine Black Start Operation Upgrade Project.

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- N. Contract Award for Coastal Treatment Plant (CTP) Drainage Pump Station
Conceptual Design [Project Committee 15] 171

ACTION The Engineering Committee recommends that the PC 15 Board of Directors approve the contract to Tetra Tech in the amount of \$176,000 for the Coastal Treatment Plant Drainage Pump Station Conceptual Design Project.

6. GENERAL MANAGER'S REPORTS

- A. Discussion Regarding the Future Direction of South Orange County Wastewater Authority (SOCWA)
 a. Update on Tri-Agencies Joint Board Meeting
 b. Facilitated Discussion regarding the SOCWA governance

ACTION Information item.

- B. General Counsel's Updates.....
 • JPA Revision Process (Standing item)

ACTION Board Discussion/Direction and Action.

- C. General Manager's Status Report 173

ACTION Information Items, Board Discussion/Direction and Action.

- D. Upcoming Meetings Schedule:
 * April 6, 2023 – Board of Directors Regular Meeting
 * April 13, 2023 – Engineering Committee Meeting
 * April 18, 2023 – PC 2 Committee Meeting
 * April 18, 2023 – Finance Committee Meeting
 * May 4, 2023 – Board of Directors Regular Meeting

ACTION Information Item.

7. CLOSED SESSION

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

Agency Designated Representative:	Brad Neufeld of Varner & Brandt Jim Burror, Acting General Manager/ Director of Operations
Employee Organization:	SOCWA Employee's Association

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

Agency Designated Representative:	Brad Neufeld of Varner & Brandt
Unrepresented Employee:	Acting General Manager/Director of Operations

- C. Report out of Closed Session

8. OTHER MATTERS

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

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MAY 4, 2023

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

Board of Directors

January 5, 2023

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person and via teleconference on January 5, 2023, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENDS DORF	City of San Clemente	Director [via Zoom]

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
MARY CAREY	Finance Controller
RONI GRANT	Associate Engineer
KONSTANTIN SHILKOV	Senior Accountant
NAYDN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	KEVIN BURTON	Irvine Ranch Water District
DAVID SHISSLER	City of Laguna Beach	ALLISON BURNS	Stradling Law
DENNIS CAFFERTY	El Toro Water District	DON BUNTS	Santa Margarita Water District
BRAD NEUFELD	Varner & Brandt, LLP	FERNANDO PALUDI	Trabuco Water District
RICK SHINTAKU	South Coast Water District	KEVIN DAY	Moulton Niguel Water District
DON FROELICH	Moulton Niguel Water District	JEFF FERRE	Best Best & Krieger, LLP
ANDREW GAGEN	Kidman Gagen Law, LLP	MIKE GASKINS	El Toro Water District
KARI NIEBLAS VOZENILEK	Kidman Gagen Law, LLP	OSMAN MUFTI	Sloan Sakai Yeung & Wong, LLP
ROGER BUTOW	Clean Water Now (CWN)	LISA OHLUND	Ohlund Mgmt. & Tech. Svcs.
ERICA CASTILLO	Santa Margarita Water District	MARK MCAVOY	City of Laguna Beach
JEREMY JUNGREIS	Rutan & Tucker, LLP		
SHERRY WANNIGER	Moulton Niguel Water District		
ROD WOODS	Moulton Niguel Water District		
BILL MOORHEAD	Moulton Niguel Water District		

1. Call to Order

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

2. Pledge of Allegiance – Director George Weiss

3. Oral Communications

None.

4. AB 361 – ALLOWING FOR VIRTUAL MEETINGS – Findings and Approval to continue Virtual Meetings

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to approve the findings and actions:

- A. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020, relating to the Covid-19 pandemic;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented at the January 5, 2023, Board meeting, the Board hereby FINDS AND DECLARES that as a result of the Covid-19 pandemic, meeting in person presents imminent risks to the health or safety of attendees, and that state and/or local officials continue to impose or recommend measures to promote social distancing;
- C. The Board hereby makes these findings and approves for the upcoming 30-day period, **January 5, 2023 to February 4, 2023**, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees may continue to be virtual meetings held in accordance with AB 361's Public Notice and Public Participation requirements.
- D. The Board of Directors hereby delegates authority to the Standing Committees of SOCWA to make the necessary findings to continue holding virtual meetings in accordance with AB 361 if necessary.
- E. Staff is hereby directed to notice the upcoming board and committee meetings as virtual meetings if the proclaimed state of emergency remains, unless staff makes special arrangements to hold the Board or Committee Meetings at a location that will allow for social distancing in which case the meeting may be held in person, and to place AB 361 findings on the agenda for consideration at the next occurring meeting(s) so that, at that point in time, a determination can be made regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

Motion carried: Aye 9, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Weiss	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

The Board of Directors convened to Closed Session at 8:37 a.m.

The Board of Directors reconvened to Open Session at 9:43 a.m.

5. CLOSED SESSION

- A Closed Session conference with labor negotiators was held pursuant to government code section § 54957.6.
- Report out of Closed Session – On behalf of Labor Counsel Brad Neufeld of Varner & Brandt, Director Collings stated there were no reportable actions.

6. CONSENT CALENDAR

Ms. Burnett stated she had received a question on agenda item 6.K. She clarified that there is a substantial difference between the Plume Tracking value in item one and the value in item two because the work in item two will be delayed later, eventually balancing out the cost in item one. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to approve the Consent Calendar as submitted.

(6.A. – 6.K.)

- A. 1. Minutes of Board of Directors Meeting November 3, 2022
- 2. Minutes of Board of Directors Meeting December 9, 2022
- B. Minutes of Project Committee 2 Meeting November 22, 2022
- C. Minutes of Finance Committee Meeting November 30, 2022
- D. Financial Reports for November 2022
- E. Year End June 30, 2023, Financial Auditing Services – Selection of Auditor with Services up to Four (4) years
Approved Action: The Board of Directors authorized the General Manager to enter into a contract for up to four (4) years with The Pun Group; and waive the five (5) year limitation stated in the SOCWA Policy for the Pun Group award based on the offer to change the Lead Audit Partner as included in The Pun Group proposal.
- F. Operations Report (November 2022)
- G. Polymer Contract Amendment with Polydyne, Inc.
Approved Action: The PC 2 and PC 17 Board of Directors authorized the General Manager to execute a contract amendment to include WE-2405 (polymer) at \$1.8/lb. and add an amendment to include the City of San Clemente to receive supplies of WE-2405 from Polydyne under the contract.
- H. CEMEK Environmental, Inc. 1-Year Service Contract \$32,198.00
Approved Action: The PC 17 Board of Directors authorized the General Manager to acquire the services of CEMTEK Environmental, Inc. for a 1-year contract to service the Regional Treatment Plant (RTP) Continuous Emission Monitoring System (CEMS) for an amount not to exceed \$32,198.00
- I. Contract Amendment with Integrated Municipal Systems, LLC. For Scrubber Maintenance Services
Approved Action: The PC 2 and PC 17 Board of Directors authorized the General Manager to execute a contract amendment to add the City of San Clemente to the SOCWA contract with the Integrated Municipal Systems, LLC to obtain scrubber maintenance services for the City facility.

J. Small Capital Vulcan Washing Press for \$55,564 (plus tax, shipping, and fees)

Approved Action: The PC 2 Board of Directors authorized the General Manager to purchase a replacement Vulcan Washing Press at JB Latham Plant at the cost of \$55,564.00, plus shipping costs, fees, and additional tax to be determined at the time the units are shipped.

K. Contract Award for Plume Tracking to Michael Baker International

Approved Action: The Board of Directors authorized the General Manager to enter into a contract with Michael Baker International, Inc. in the amount of Five Hundred Ninety-Eight Thousand Four Hundred Thirty-Seven Dollars (\$598,437.00) for the Plume Tracking Project; and that the Michael Baker International contract be allotted 25% to PC 5 Members in the amount of One Hundred Forty-Nine Thousand Six Hundred Nine Dollars and Twenty-Five Cents (\$149,609.25), 75% of the contract be allocated to PC 24 Members in the amount of Four Hundred Forty-Eight Thousand Eight Hundred Twenty-Seven Dollars and Seventy-Five Cents (\$448,827.75).

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 0
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Weiss	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

7. GENERAL MANAGER'S REPORTS

A. Santa Margarita Water District (SMWD) / Moulton Niguel Water District (MNWD) Status Update on Facility Operations Proposals

Director Collings reported on behalf of Moulton Niguel Water District that they are working extensively on the comprehensive proposal as previously discussed for the operation of the JB Latham Plant. He stated the draft proposal will be available for review no later than January 23. He also stated that due to difficulty with scheduling a separate PC 2 Meeting, the item will be on the agenda for the Board of Directors' February 2nd meeting for discussion. An open discussion ensued.

Director Ferons stated the comprehensive proposal will include looking at the three (3) Treatment Plants and the vision of what SOCWA would look like going forward. In addition, the proposal will drill down into the dollars based on the initial drafted concept that was presented in the previous year.

Director Goldman stated that South Coast Water District is planning to provide a proposal for the operation of the Coastal and JB Latham Treatment Plants. Director Goldman stated there have been previous conversations with Emerald Bay and Laguna Beach and continues to have conversations to make sure the three member agencies are in agreement with future planning.

Director Freshley stated her concern is the rush forward due to the expiration of the PC 2 Agreement is soon approaching. She noted there is still discussion needed from the legal perspective on what will happen if we go past the expiration date. She asked if the Board determined a rapid decision couldn't be made would that be acceptable to SMWD/MNWD?

Director Ferons responded by stating that time is of the essence, not because the agreement is expiring, but because there is a lot of work to be done. He stated that the global vision is not to take over a treatment plant, but when you look at what's happening in the world of water and the things that have to be done going forward, it is an important time for everyone to work together. He also stated that it may seem rushed, but the first mediation session occurred four (4) years ago, and there have been ongoing discussions for quite a while. Director Ferons stated that if there are specific concerns, specify what they are and let us start digging into them, whether it's technical, governance, or financial. He stated that the proposal spearheads a model for the operation of all treatment plants.

Director Reinhart asked if it addressed the concerns of the Joint Powers Agreement (JPA) and if it would require a rewrite of the JPA.

Ms. Adriana Ochoa, SOCWA General Counsel (Procopio), responded, stating that if there are substantial changes to the terms of the JPA, then the nine (9) remaining Member Agencies would need to sign off on the changes by a unanimous vote. An open discussion ensued.

Director Ferons stated that Santa Margarita and Moulton Niguel Boards are meeting on the 30th of January to discuss and clarify their efforts and support to their SOCWA Board representatives before the next SOCWA Board meeting in February.

Director Goldman restated his comments from past meetings that there's a lot of uncertainty about what happens after the PC Agreement expires. He noted there is a difference of opinion, and he understands the reluctance to extend the agreement, but a consensus has not been reached. He stated that South Coast is now considering putting in a proposal late in the game but still favors the current operating model and thinks the easier path is to fix the agreement.

Director Ferons stated there have been discussions with Director Goldman to address PC 2 issues, and that they are trying to schedule regular PC 2 meetings as often as needed to work through the issues.

Director Collings stated that items will become clearer as more detailed elements of the proposal are available for review. He noted that following the 23rd, there will be opportunities for conversations and concerns to address going forward. Director Collings stated it is still his opinion that any of the issues can be addressed before the expiration of the agreement.

Director Goldman stated he appreciated that the proposal is going to be more comprehensive and include all of the plants. He stated he thinks this is beyond the PC 2 issue and that it is a SOCWA JPA issue. He noted that PC 2 should not be setting the precedent, and would think that all of the SOCWA Board Members would want to have some say in everything that's decided. An open discussion ensued.

This was an information item; no action was taken.

B. JPA & Project Committee Agreement Revisions

- Future of the Joint Powers Agreement / Future Direction for SOCWA

Director Collings stated this item was covered with item 7.A. during the open discussion. No action was taken.

C. General Counsel's Update

- Update on PC 2 Issues

Ms. Ochoa stated a confidential memo was distributed to the Board Members on Friday, December 30th, that contained information and potential options that came out of the last Board meeting's PC 2 discussion. She requested to query whether any Board members had questions or comments relating to the memo. Ms. Ochoa noted that last month the discussion was in open session, but because the item and my memo discussed potential litigation, further discussion could occur in a Closed Session at the Board's discretion. An open discussion ensued.

Director Ferons thanked Ms. Ochoa for the concern and noted that there are PC 2 meetings scheduled to address any issues. He noted that it is his preference to work collaboratively and move forward. Director Ferons also stated that should the Board decide to go into a Closed session; he requested clarity on who is initiating or receiving information because it was unclear as to how the Close Session would apply.

Director Goldman stated he wasn't sure a Closed Session was necessary. He stated South Coast has concerns about the validity of the action that was taken by PC 2, referenced in the memo that was distributed by Ms. Ochoa that identified questions about the validity of the action.

Director Ferons stated that he interpreted the memo to only identify the process.

Director Goldman commented that Ms. Ochoa noted the action could potentially be invalid at the PC 2 Meeting and again at the Board's December 8th Meeting. He asked Ms. Ochoa if she would like to comment.

Ms. Ochoa noted that, based on the PC 2 action taken in November, there is currently no operator named for JBL, effective June 29, 2023. Ms. Ochoa stated it is her opinion that it is an action that is potentially subject to a validation action. She noted that SOCWA is the named discharger in the memo, not PC 2 or any of the PC 2 agencies for JBL. An open discussion ensued.

Director Ferons stated that PC 2 has not taken the first step to remove an operator but has put in play the first step to do so to be effective at the end of June 2023. He stated there is no permit issue.

Ms. Ochoa concurred that there is not presently a permit issue; however, absent a cure – naming an operator for JBL – SOCWA could potentially head towards a permit violation in July. An open discussion ensued.

Ms. Ochoa stated that based on discussions with South Coast's counsel, there are some practical solutions to this issue. Ms. Ochoa stated that with the potential validation action timeline, she discussed with South Coast's counsel a proposal for a Tolling Agreement which has a 60-day deadline and gives everyone more time to rescind the action or take action to cure. She noted that because of the January 20th deadline, she wanted to present options to the Board.

Director Goldman stated this is not just a PC 2 issue; it's a SOCWA issue due to implications of the JPA and other PC's that are approaching expiration. Director Goldman proceeded to make a motion that "SOCWA initiate the validation action to have a validation made whether it was a valid action for Santa Margarita Water District and Moulton Niguel Water to remove SOCWA as operator of JBL, and request clarification on what happens to the assets when the PC Agreement expires or what happens to the operation when any PC expires if it isn't specifically stated in the PC Agreement, and enter into a Tolling Agreement for 90 days on that action as a minimum to allow time for South Coast to review Santa Margarita/Moulton Niguel's proposal to be submitted by Santa Margarita on January 23." Director Goldman noted that January 23 is past the 90-day Tolling expiration date.

Ms. Ochoa stated that allowing parties a reasonable amount of time to discuss the issue is a reasonable solution and simple solution that avoids costs and litigation.

Director Ferons asked if the statute of limitations could be tolled.

Ms. Ochoa responded that you could toll a statute of limitations for a validation action. She stated that in the case of *Wolstoncroft v. County of Yolo*, a 2021 case, the court noted one of the bases for extending a statute of limitations by a tolling agreement is to allow agencies to continue discussions to determine whether the issue can be resolved between the agencies without taking legal action.

The Board convened for a recess at 11:34 a.m.
The Board reconvened at 11:40 a.m.

Discussion ensued regarding the statute of limitations to file a reverse validation action and the purpose of a Tolling Agreement.

ACTION TAKEN

Motion was made by Director Reinhart and seconded by Director Dunbar to direct SOCWA and South Coast Water District to enter into a Tolling Agreement for 90 Days as related to the action taken by the PC 2 Committee on November 22, 2022, and authorize the General Manager to Execute a Tolling Agreement with South Coast Water District.

Motion carried:	Aye 8, Nay 0, Abstained 1, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Abstain
	Director Reinhart Aye
	Director Weiss Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Rebensdorf Aye

There was a consensus of the Board to authorize Ms. Ochoa (counsel) to prepare a Tolling Agreement to extend the validation statutes of limitations for 90 days.

There was a consensus of the PC 2 Committee to hold a Special Meeting on January 10, 2023, at 2:30 p.m. to discuss and potentially execute a Tolling Agreement between SOCWA and the South Coast Water District.

- Update on TCWD Agreement – Departure from SOCWA (verbal update)

Ms. Ochoa gave an update on the status of the pending Trabuco Canyon Water District Exit Agreement from SOCWA. She stated the agreement is currently with the SOCWA staff to clarify some data and then will go back to Trabuco. Member agencies are still welcome to provide comments if necessary. An open discussion ensued.

This was an information; no action was taken.

- Update on IRWD Agreement – Capacity Transfer Agreement with ETWD

Ms. Ochoa gave an update on the status of the Irvine Ranch Water District Agreement. She stated at least one Member Agency has provided written consent and IRWD has submitted their 120-day notice on the intent to withdraw pursuant to the JPA.

This was an information; no action was taken.

- JPA Revision Item (Standing Item)

Ms. Ochoa reported that this is a standing item requested by Director Goldman and is about whether or not we should move forward in continuing our attempts to revise the Joint Powers agreement to remedy the issues. She stated that last month Director Goldman suggested we hold off pending the update on the facilities proposals.

Ms. Ochoa also announced the new Board Member, Director Weiss, was sworn in as a new member representing the City of Laguna Beach.

This was an information item; no action was taken.

D. General Manager's Status Report

Ms. Burnett referred to the agenda book's GM Status Report on page 116 and stated she had no further comments.

This was an information item; no action was taken.

E. Upcoming Meetings Schedule

The upcoming meeting schedule was reported as noted below:

- January 5, 2023 – Board of Directors Regular Meeting
- January 12, 2023 – Engineering Committee Meeting
- January 17, 2023 – Finance Committee Meeting – *Canceled*
- January 17, 2023 – PC 2 Committee Meeting (Tentative)
- February 2, 2023 – Board of Directors Regular Meeting

This was an information item; no action was taken.

8. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 12:08 p.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 January 5, 2023, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

Board of Directors

February 2, 2023

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person and via teleconference on February 2, 2023, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director [exited @ 11:03 a.m.]
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director [participated via Zoom]
GEORGE WEISS	City of Laguna Beach	Director
FRANK URY	Santa Margarita Water District	Director [exited @ 12:15 p.m.]
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENDS DORF	City of San Clemente	Director

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
MARY CAREY	Finance Controller
RONI GRANT	Associate Engineer
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	BETTY OLSON	Santa Margarita Water District
KEVIN DAVIS	Procopio Law	DREW ATWATER	Moulton Niguel Water District
DENNIS CAFFERTY	El toro Water District	ALLISON BURNS	Stradling Law
BRAD NEUFELD	Varner & Brandt, LLP	JEREMY JUNGREIS	Rutan & Tucker LLC
RICK SHINTAKU	South Coast Water District	FERNANDO PALUDI	Trabuco Canyon Water District
DAN FERONS	Santa Margarita Water District	KEVIN DAY	Moulton Niguel Water District
KARI NIEBLAS VOZENILEK	Kidman Gagen Law, LLP	JEFF FERRE	Best Best & Krieger, LLP
ROGER BUTOW	Clean Water Now	MIKE GASKINS	El Toro Water District
ERICA CASTILLO	Santa Margarita Water District	OSMAN MUFTI	Sloan Sakai Yeung & Wong, LLP
DAVID SHISSLER	City of Laguna Beach	LISA OHLUND	Ohlund Mgmt. & Tech. Svcs.
SHERRY WANNIGER	Moulton Niguel Water District	SAUNDRA JACOBS	Santa Margarita Water District
BILL MOORHEAD	Moulton Niguel Water District	MICHAEL PEREA	Trabuco Canyon Water District
CHARLES BUSSLINGER	Municipal Water District of OC	DICK FIORE	Moulton Niguel Water District
DON FROELICH	Moulton Niguel Water District	PAM ARENDS-KING	South Coast Water District

1. Call to Order

Chairman Collings called the meeting to order at 8:32 a.m.

2. Pledge of Allegiance – Director Frank Ury

3. Oral Communications

None.

4. AB 361 – ALLOWING FOR VIRTUAL MEETINGS – Findings and Approval to continue Virtual Meetings

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to approve the findings and actions:

- A. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented in the January 5, 2023 Board meeting, the Board hereby FINDS AND DECLARES that as a result of the Covid-19 pandemic, meeting in person presents imminent risks to the health or safety of attendees, and that state and/or local officials continue to impose or recommend measures to promote social distancing;
- C. The Board hereby makes these findings and approves for the upcoming 30-day period, February 2, 2023 through the earlier of either March 4, 2023 or the termination of the proclaimed state of emergency, regular and special meetings of the Board and its Standing Committees and Project Committees may continue to be virtual meetings held in accordance with AB 361's Public Notice and Public Participation requirements.
- D. The Board hereby delegates authority to its Standing Committees to make the necessary findings to continue holding virtual meetings in accordance with AB 361, if necessary, and provided that California continues to be in a proclaimed state of emergency.
- E. Staff is hereby directed to notice the upcoming Board and committee meetings as virtual meetings if the proclaimed state of emergency remains, unless staff makes special arrangements to hold the Board or committee meetings at a location that will allow for social distancing in which case the meeting may be held in person, and to place AB 361 findings on the agenda for consideration at the next occurring meeting(s) so that, at that point in time, a determination can be made regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 0
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Weiss	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

The Board of Directors convened to Closed Session at 8:35 a.m.
The Board of Directors reconvened to Open Session at 10:23 a.m.

5. CLOSED SESSION

- A. A Closed Session conference with labor negotiators was held pursuant to government code section § 54957.6 to discuss the SOCWA Employee Association.
- B. A Closed Session conference with labor negotiators was held pursuant to government code section § 54957.6 to discuss Unrepresented Employee: General Manager.
- C. Report out of Closed Session – On behalf of Labor Counsel Brad Neufeld of Varner & Brandt, Director Collings stated there were no reportable actions.

6. CONSENT CALENDAR

(6.A. – 6.H.)

- A. Minutes of Board of Directors Meeting December 8, 2022
- B. Minutes of Project Committee 2 Meeting January 10, 2023
- C. Operations Report for December 2022
- D. Capital Improvement Program Status Report (January 2023)
- E. Capital Improvement Construction Project Projects Progress and Change Report (January) [Project Committees 2, 15, & 17]
- F. Stanley Convergent Security Solution Inc. was acquired by Securitas Technology [Project Committees 2, 15, & 17]
- G. Contract Award for Aliso Creek Ocean Outfall Internal Seal Replacement Engineering Services During Construction [Project Committee 24]
- H. Emergency Purchase of Replacement Bar Screen Drum for Coastal Treatment Plant [Project Committee 15]

Approved Action: The PC 24 Board approved the contract to Black & Veatch in the amount of \$44,850 for the bidding and ESDC services for the ACOO Internal Seal Replacement project.

Approved Action: The Board of Directors ratified the purchase of the Parkson bar screen drum (Purchase Order #18567) in the amount of \$52,800, plus tax and shipping costs to be determined at the time of shipping.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to approve the Consent Calendar as submitted.

Motion carried: Aye 9, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
Director Reinhart Aye
Director Weiss Aye
Director Ury Aye
Director Goldman Aye
Director Rebensdorf Aye

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7. ENGINEERING MATTERS

- A. JB Latham Treatment Plant Electrical System Upgrades Additional Design, Bidding, and Engineering Service during Construction [Project Committee 2]

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Collings to approve the contract to Hazen and Sawyer in the amount of \$112,620 for the additional design services and bidding and ESDC services in the amount of \$164,350 for a total of \$276,970 for the JB Latham Treatment Plant Electrical System Upgrades Project.

Motion carried: Aye 3, Nay 0, Abstained 0, Absent 0
Director Collings Aye
Director Ury Aye
Director Goldman Aye

8. GENERAL MANAGER'S REPORTS

- A. Santa Margarita Water District (SMWD) / Moulton Niguel Water District (MNWD) Status Update on Facility Operations Proposals

Mr. Ferons, General Manager for Santa Margarita, updated the Board on SMWD and MNWD's proposal to operate the JB Latham Treatment Plant. He expounded on the conceptual project name of Optimization Blueprint. An open discussion ensued.

Mr. Roger Butow commented on behalf of Clean Water Now (CWN).

This was an information item; no action was taken.

- B. JPA & Project Committee Agreement Revisions

- Future of the Joint Powers Agreement / Future Direction for SOCWA

This item is an ongoing open discussion. No action was taken.

- C. Historical Recycled Water Development and State Opportunities

Ms. Baylor, Director of Environmental Compliance, gave a PowerPoint presentation distributed under a separate cover in an email on February 1, 2023, and is attached to the Minutes herewith. An open discussion ensued.

This was an information item; no action was taken.

- D. Tentative time Schedule Order R9-2023-006 Comment Letter

Ms. Baylor reported on the request to provide a Comment Letter on behalf of SOCWA to the San Diego Regional Water Quality Control Board (SDRWQCB) for testing and compliance purposes. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Collings to authorize the Board Chair or Staff to sign the Comment Letter as distributed and submit the final letter to be included in the Tentative TSO.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 2
	Director Dunbar Absent
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Weiss Aye
	Director Ury Absent
	Director Goldman Aye
	Director Rebensdorf Aye

E. General Counsel's Update

Ms. Ochoa, General Counsel (Procopio Law), updated the Board on remote meeting appearance as the State of Emergency comes to an end on February 28, and effective March 1, Board members will have to follow the new guidelines for appearing at a Board meeting virtually pursuant to AB 2449. An open discussion ensued.

This was an information item; no action was taken.

F. General Manager's Status Report

Ms. Burnett referred to the agenda book's GM Status Report on page 116 and stated she had no further comments.

This was an information item; no action was taken.

G. Upcoming Meetings Schedule

The upcoming meeting schedule was reported as noted below:

- February 2, 2023 – Board of Directors Regular Meeting
- February 9, 2023 – Engineering Committee Meeting
- February 14, 2023 – PC 2 Committee / SOCWA Emp. Assoc. Meeting
- February 21, 2023 – Finance Committee Meeting
- February 21, 2023 – PC 2 Committee Meeting (Canceled)
- March 2, 2023 – Board of Directors Regular Meeting

This was an information item; no action was taken.

9. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 12:08 p.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 February 2, 2023, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

State Opportunities & Historical Recycled Water Development

SOCWA BOARD MEETING | FEBRUARY 02, 2023

AMBER BAYLOR | JIM BURROR

Drivers & Purpose

Drivers:

CASA Regulatory Workgroup Priority Item

Governor Newsom's California Water Supply Strategy

Regulatory Strategy for Local Water Supply Delivery

Purpose:

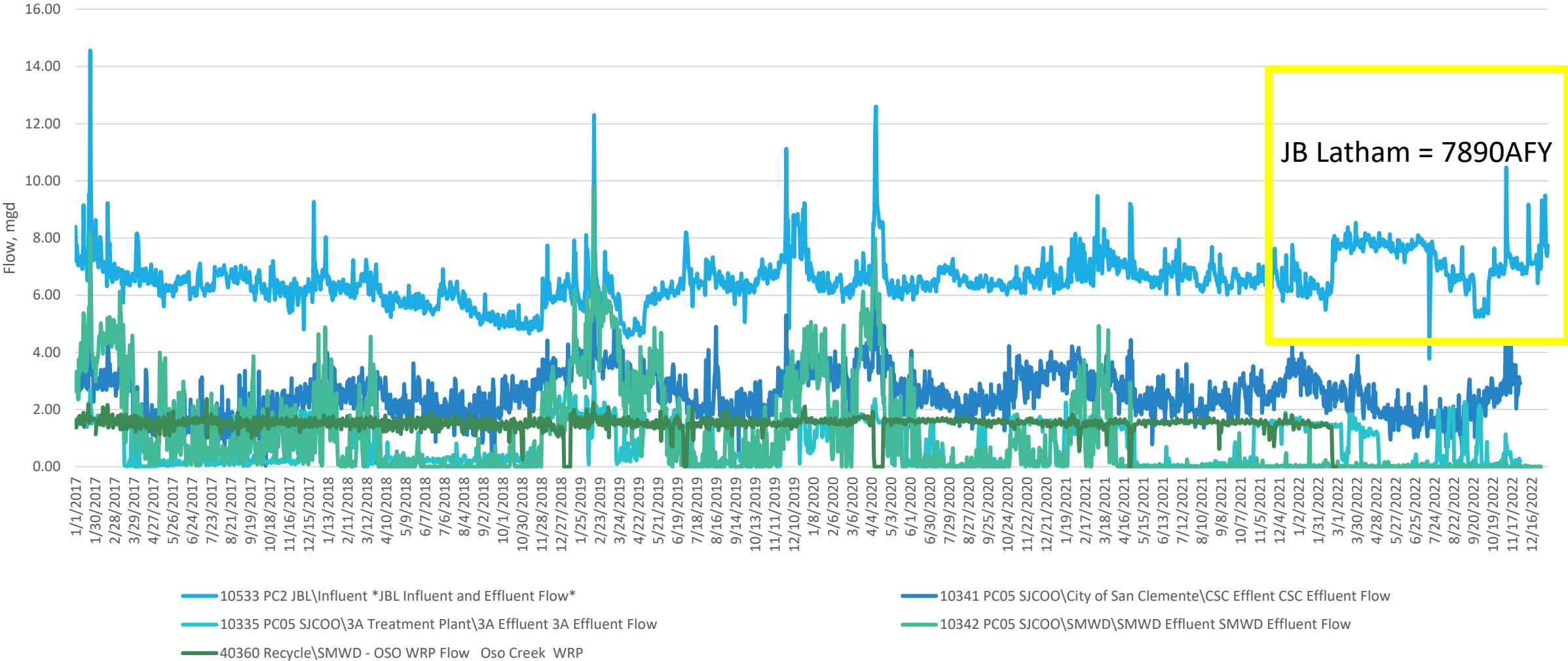
Assist agencies in permit streamlining through regional focus

Maximize beneficial uses at each outfall

Water Supply Strike Team

1. Assist the agencies who are currently executing projects to be operational in next 7 years to ensure no short term/imminent **permitting or funding** issues disrupt their timeline.
2. Assess opportunities for more recycling in consideration of a suite of obstacles including brine management, rates, land for siting, and the need to recapitalize existing infrastructure.

Available Effluent Flow to SJCOO 2017 to 2022



History of JB Latham AWT Design & Funding

- 2000 CGvL Preliminary Design
- 2001 CH2MHill AWT Advanced Wastewater Treatment Facilities Final Design
- 2006 CH2MHill Preliminary Design
- 2007 MND/EIR for AWT
- 2008 CH2MHill J.B. Latham Treatment Plant AWT Pilot Study
- 2008 J.B. Latham Treatment Plant AWT Facility State Revolving Fund Application Assistance
- 2009 Bid Package – Membrane System for the J.B. Latham Treatment Plant Advanced Wastewater Treatment Facility
- 2009 Bid Package – UV Disinfection System for the J.B. Latham Treatment Plant Advanced Wastewater Treatment Facility
- 2013 Facility Improvement Plan TM-7 Section 6.0 Advanced Water Treatment Plan
- 2017 JBLTP Package B Planning Technical Memorandum No. 1 Liquid Treatment Train Analysis

2017 Carollo Recommendations

- Pilot testing of cloth and media pressurized membranes performed in 2008.
- Cloth filters did not perform well.
- 2017 Recommendation of 6.2 mgd with microfiltration.
- **Goal** of 900mg/l chosen and Reverse osmosis selected as the technology to achieve goal, not regulatory requirement.
- **User** requirements to determine recycled water goal.

5.2.2 Previous Work

Several studies have been performed for SOCWA in regards to Title 22 treatment, beginning with CGVL Engineers in 2000. This work effort was ended when secondary effluent quality was deemed too poor and inconsistent for conventional processes to produce Title 22 effluent.

In 2006, CH2M HILL performed a study on technologies for advanced water treatment (AWT) and evaluated membrane bioreactors, cloth media filters, and pressurized membrane filters as potential technologies for producing Title 22 effluent. The study concluded that MBR technology would be too costly to implement at JBLTP and was not evaluated further. Both cloth media filtration and pressurized membrane filters were further evaluated due to similar cost and relatively small footprint. This study noted that little information existed at the time on how cloth media filters would perform at a facility operating under non-nitrifying solids retention times (SRTs). Subsequently, CH2M HILL recommended that pilot testing of cloth media and pressurized membrane filters be done at JBLTP.

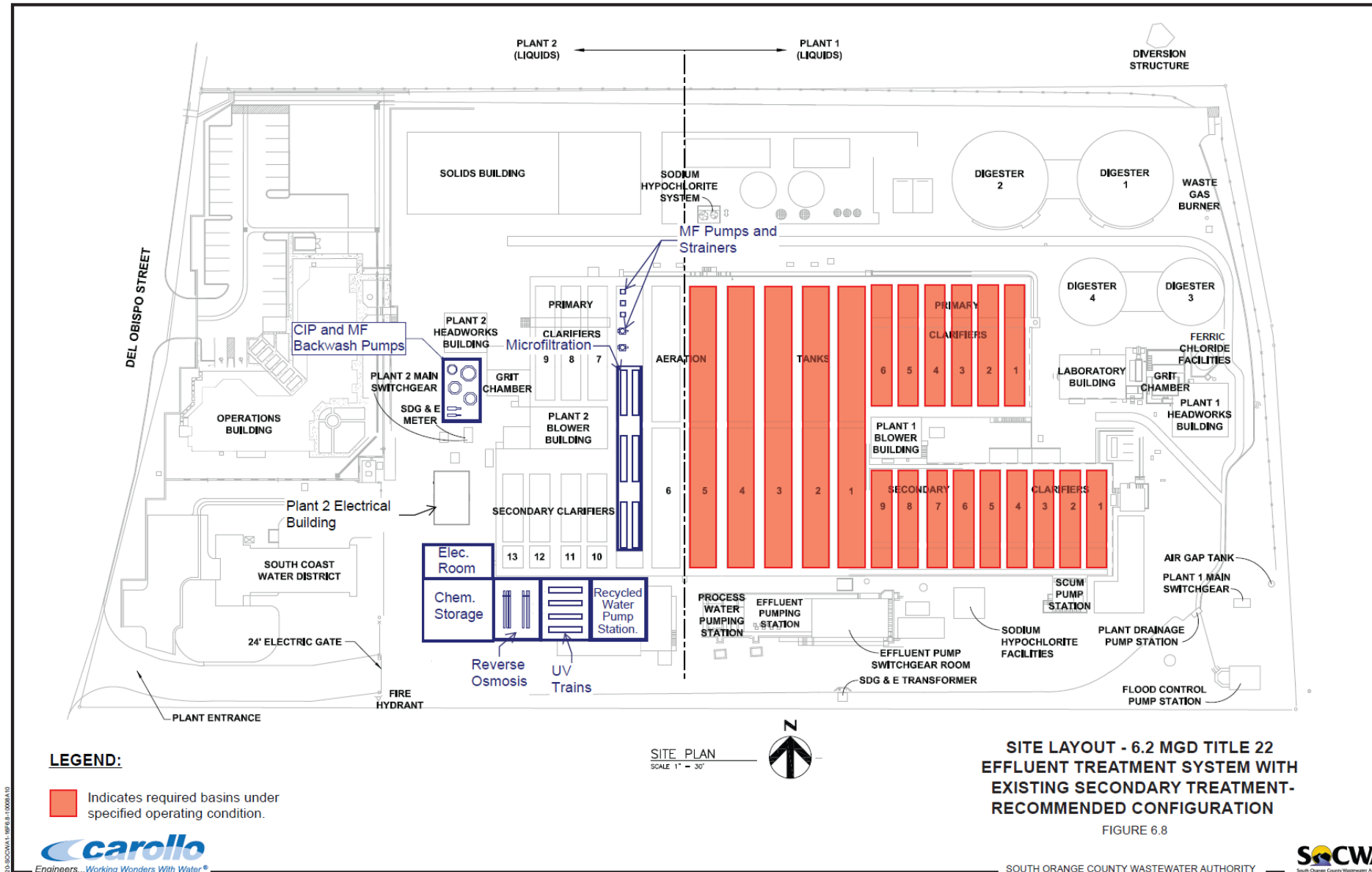
Pilot tests were performed in 2008 and showed definitively that cloth media filters did not perform well at JBLTP. However, pressurized membranes worked well during pilot testing, which led to a second technical memo where CH2M HILL updated their 2006 study based on pilot testing results. This 2009 memo further investigated the feasibility of producing Title 22 effluent with pressurized membrane filters (microfiltration) with low-pressure, high-intensity ultraviolet (UV) disinfection. This effort was eventually ended due to projected costs.

5.2.3 Salt Issues

Previous work related to Title 22 effluent has not addressed the high total dissolved solids (TDS) in JBLTP's secondary effluent. Per SOCWA at the Effluent Management Meeting, Plant 1 typically produces secondary effluent with 1,000 mg/L to 1,100 mg/L TDS, and Plant 2 normally produces 2,000 mg/L TDS. For the purpose of this evaluation, SOCWA advised that a non-potable effluent goal of 900 mg/L TDS should be used for process evaluation. This goal necessitates the use of microfiltration/ultrafiltration (MF/UF) with side-stream reverse osmosis (RO) to reduce overall TDS in Title 22 effluent to 900 mg/L. Previous work by CH2M HILL, at JBLTP, has shown that cloth media filters perform poorly at JBLTP and were therefore excluded from possible Title 22 treatment trains. Sand filters are also excluded from consideration at JBLTP due to their large footprint.

5.3 TREATMENT REGULATIONS

Any future water reuse project must meet the applicable public health criteria for either non-potable and potable water reuse, depending on the selected reuse application. Further, any new water reuse project must not cause exceedances in the JBLTP's discharge permit.



NON-POTABLE TREATMENT TRAINS

Treatment Train	Cost	Performance	Notes
Cloth Filtration with Hypochlorite	Lowest cost, ~\$1M-\$2M/mgd	Needs high water quality feed to cloth filtration. Ammonia impacts performance	UV can be substituted for hypo for better disinfection at a similar cost
Deep Bed Filtration with UV	~\$1.5M-\$2.5M/mgd	Can handle wide range of water quality and meet permit	
Membrane Filtration with Ozone	\$2.5M-\$3.5M/mgd	Extremely robust, handles pathogens and trace pollutants	UV can be substituted for ozone, reducing cost but also reducing pollutant removal
Any Filtration with Pasteurization	Cost varies depending upon cost of power and availability of waste heat	Extremely robust for pathogens	

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Design/Production Phase Cost

- \$2.5M - \$3.5M/mgd cost estimate in 2017.
- ~\$17.6M - \$24.6M for immediate production of recycled water.
- Engineering design & cost estimate would need to be updated at an estimated \$2M requested for FY 23 -24 Capital Improvement Program (CIP).
- Staff's goal is to complete updated design, cost, and construction in 3 years.
- CIP request for CTP/RTP MBR.

Thank you!

Amber Baylor

abaylor@socwa.com

949.234-5409

Jim Burror

jburror@socwa.com

949.234.5402

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

February 17, 2023

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person on February 17, 2023, at 10:00 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
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
FRANK URY	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director

Absent:

MIKE DUNBAR	Emerald Bay Service District	Director
DOUG REINHART	Irvine Ranch Water District	Director
GEORGE WEISS	City of Laguna Beach	Director
DAVE REBENS DORF	City of San Clemente	Director

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
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1. Call to Order

Chairman Collings called the meeting to order at 10:00 a.m.

2. Oral Communications

None.

3. CLOSED SESSION

A Closed Session conference with labor negotiators was held pursuant to government code section § 54957 to discuss unrepresented employees under agenda item (s) a, b, & c.

Report out of Closed Session – Counsel stated there were no reportable actions.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 11:48 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Board of Directors on February 17, 2023, and approved 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**

Board of Directors

March 2, 2023

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person and via teleconference on March 2, 2023, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
FERNANDO PALUDI	Trabuco Canyon Water District	Alternate Director
MARK MCAVOY	City of Laguna Beach	Alternate Director
FRANK URY	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director

Absent:

MIKE DUNBAR	Emerald Bay Service District	Director
DOUG REINHART	Irvine Ranch Water District	Director [participated via Zoom as a non-voting member]

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
MARY CAREY	Finance Controller
RONI GRANT	Associate Engineer
DINA ASH	HR Administrator
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	BETTY OLSON	Santa Margarita Water District
KEVIN DAVIS	Procopio Law	TARYN KJOLSING	South Coast Water District
BRAD NEUFELD	Varner & Brandt, LLP	DREW ATWATER	Moulton Niguel Water District
DENNIS CAFFERTY	El Toro Water District	JOONE LOPEZ	Moulton Niguel Water District
DAN FERONS	Santa Margarita Water District	DON BUNTS	Santa Margarita Water District
RICK SHINTAKU	South Coast Water District	MARC SERNA	South Coast Water District
DON FROELICH	Moulton Water District	KEVIN DAY	Moulton Niguel Water District
ROD WOODS	Moulton Niguel Water District	MIKE GASKINS	El Toro Water District
BILL GREEN	South Coast Water District	LISA OHLUND	Ohlund Mgmt. & Tech. Svc
ROGER BUTOW	Clean Water Now	DICK FIORE	Moulton Niguel Water District
ERICA CASTILLO	Santa Margarita Water District	GREG PENNINGTON	South Coast Water District
DAVID SHISSLER	City of Laguna Beach	BILL MOORHEAD	Moulton Niguel Water District
SHERRY WANNIGER	Moulton Niguel Water District		

1. Call to Order

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

2. Pledge of Allegiance – Director Scott Goldman

3. Oral Communications

None.

3.A. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

There was no action taken.

4. CONSENT CALENDAR

(4.A. – 4.L.)

- A. Operations Report for January 2023
- B. Capital Improvement Program Status Report (February 2023)
- C. Capital Improvement Construction Project Projects Progress and Change Report (February) [Project Committees 2, 15, & 17]
- D. Flows and Solids Loadings for FY 2023-24 Budget Preparation
- E. FY 2022-23 Sierra analytical Increase Purchase Order
Approved Action: The Board of Directors authorized the Acting General Manager to increase the Sierra Analytical purchase order by \$35,000 for FY 2022-23.
- F. Contract Award for Regional Treatment Plant (RTP) Cogen Engine SCR Blower Installation [Project Committee 17]
Approved Action: The PC 17 Board approved awarding the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the RTP Cogen selective catalytic reducer (SCR); and establish a project contingency in the amount of \$5,000.
- G. Contract Award for J.B. Latham Treatment Plant (JBL) Cogen Engine SCR Blower Installation [Project Committee 2]
Approved Action: The PC 2 Board approved awarding the contract to Western Energy in the amount of \$45,450.23 plus actual shipping costs, fees, and tax to be determined at the time of shipping for the installation of the Stueler blower modification on the RTP Cogen selective catalytic reducer (SCR); and establish a project contingency in the amount of \$5,000.
- H. Replacement Wemco Grit Pump [Project Committee 2]
Approved Action: The PC 2 Board authorized the Acting General Manager to purchase two (2) replacement Wemco 3X3 Torque Pumps for the J.B. Latham Plant from Flo-Systems, Inc. at the cost of \$54,104.51, plus shipping costs, fees, and additional tax to be determined at the time the units are shipped.
- I. Contract Award for J.B. Latham Treatment Plant (JBL) Administration Building Roof Reconstruction [Project Committee 2]
Approved Action: The PC 2 Board approved awarding the contract to A. Preman Roofing in the amount of \$93,985.00 for the J.B. Latham Administration building Roof Reconstruction Project with a contingency of \$19,700.00.
- J. Contract Award to Crown Facility Solutions for Janitorial Services [Project Committees 2, 15, and 17]
Approved Action: The Board of Directors authorized the Acting General Manager to award a contract to Crown Facility Solutions for two (2) years for a not to exceed the amount of \$135,705.64 and authorized the Acting general manager approval authority for three (3) optional annual renewals upon mutual agreement of both parties.

- K. Resolution No. 2023-02: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF)
Approved Action: The Board of Directors adopted Resolution No. 2023-02: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF).
- L. Resolution No. 2023-03: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Establishment of Deposit Accounts with Bank of the West (A trade name used by BMO Harris Bank N.A.)
Approved Action: The Board of Directors adopted Resolution No. 2023-02: Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF).

ACTION TAKEN

Motion was made by Director Ury and seconded by Director Freshley to approve the Consent Calendar as submitted.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 2
Director Dunbar	Absent
Director Freshley	Aye
Director Paludi	Aye
Director Collings	Aye
Director Reinhart	Absent
Director McAvoy	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

5. GENERAL MANAGER'S REPORTS

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

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Collings to adopt Resolution No. 2023-01: Resolution of Commendation to Jose Navarro for providing dedicated service to the South Orange County Wastewater Authority and the Residents of Southern Orange County for the period of November 1982 to January 2023.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 2
Director Dunbar	Absent
Director Freshley	Aye
Director Paludi	Aye
Director Collings	Aye
Director Reinhart	Absent
Director McAvoy	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

B. Board of Directors Offices – Special Appointment of Board Officer Secretary/Treasurer

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Paludi to appoint James (Jim) Leslie Burror, Jr. to the position of the Secretary/Treasurer.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 2
Director Dunbar	Absent
Director Freshley	Aye
Director Paludi	Aye
Director Collings	Aye
Director Reinhart	Absent
Director McAvoy	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

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

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Collings to appoint Kathryn Freshley as the primary representative and appoint James (Jim) Leslie Burror, Jr. as the alternate representative on the South Orange County Integrated Water Management Plan (IRWM) Executive Committee; and rescind all previous appointments to represent SOCWA on the South Orange County (IRWM) Executive Committee.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 2
Director Dunbar	Absent
Director Freshley	Aye
Director Paludi	Aye
Director Collings	Aye
Director Reinhart	Absent
Director McAvoy	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

D. JPA & Project Committee Agreement Revisions

a. Future of the Joint Powers Agreement / Future Direction for SOCWA

The discussion of agenda item D was incorporated into agenda item E.

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

1. Discussion regarding South Coast Water District's proposal applicable to the JB Latham Plant / Project Committee No. 2.

South Coast Water District distributed its proposal under separate cover and is part of the Minutes herewith. Director Goldman recommended hiring a facilitator to assist with the process. He requested that each member agency take a position one way or another on the idea of a facilitated process to help reach a resolution. An open discussion ensued.

Director Collings announced he is forming an Ad Hoc Committee consisting of the South Coast Water District, Santa Margarita Water District, and Moulton Niguel Water District. He stated that those are the agencies that have suggested and proposed operating the assets and facilities, assuming the transition of employees, and developing an alternate path going forward. An open discussion ensued.

This was an information item; no action was taken.

2. Continued discussion of Santa Margarita Water District's proposal applicable to the JB Latham Plant and Project Committee No. 2.
3. Discuss Project Committee No. 2 Draft Agreement.

Agenda Items E.2. and E.3 will be added to the PC 2 meeting agenda at the next meeting.

F. General Counsel's Updates

a. JPA Revision Process (Standing Item)

Mr. Kevin Davis, General Counsel (Procopio), stated that the JPA Revision Process is on hold until the direction is given on the two proposals from SMWD/MNWD and SCWD. He requested that the Board also provide direction to staff to prepare the budget. Mr. Davis noted that staff should also budget for legal expenses for the JPA amendments. Mr. Davis also reported receiving the latest version of Trabuco Canyon's withdrawal agreement and reviewing it with SOCWA staff. An open discussion ensued.

This was an information item; no action was taken.

G. General Manager's Status Report

Mr. Burror, Acting General Manager/Director of Operations, stated that he is trying to visit the member agencies, get to know everyone, and make himself available to the Board members. On page 85, the last page of the General Managers report, he noted that SOCWA participated in Edison's Emergency Load Reduction Program and received \$23,000 for using generators and shedding load from the power grid. He stated that SOCWA would continue participating in the program during power emergencies.

H. Upcoming Meetings Schedule

The upcoming meeting schedule was reported as noted below:

- March 2, 2023 – Board of Directors Regular Meeting
- March 9, 2023 – Engineering Committee Meeting
- March 14, 2023 – PC 2 Committee / SOCWA Emp. Assoc. Meeting
- March 21, 2023 – Finance Committee Meeting
- March 21, 2023 – PC 2 Committee Meeting (Canceled)
- April 6, 2023 – Board of Directors Regular Meeting

This was an information item; no action was taken.

The Board of Directors convened to Closed Session at 9:45 a.m.
The Board of Directors reconvened to Open Session at 10:35 a.m.

6. CLOSED SESSION

- A. A Closed Session conference with labor negotiators was held pursuant to government code section § 54957.6 to discuss the SOCWA Employee Association.
- B. A Closed Session conference with labor negotiators was held pursuant to government code section § 54957.6 to discuss an Unrepresented Employee: Acting General Manager/Director of Operations.
- C. Report out of Closed Session – On behalf of Labor Counsel Brad Neufeld of Varner & Brandt, Director Collings stated there were no reportable actions.

7. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 10:35 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 March 2, 2023, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



February 24, 2023

Board of Directors
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Dear SOCWA Member Agencies and SOCWA staff,

Subject: South Coast Water District's Proposal to Optimize SOCWA

The purpose of this letter is to convey South Coast Water District's (SCWD's) recommended course of action for optimizing and modernizing the South Orange County Wastewater Authority (SOCWA) and to acknowledge and address the January 23, 2023, South Orange County Wastewater Blueprint (Blueprint) proposal developed by Santa Margarita Water District (SMWD) and Moulton Niguel Water District (MNWD).

At the outset, SCWD sincerely appreciates the insights and efforts put forth by SMWD and MNWD to develop the Blueprint proposal. We have reviewed and analyzed the Blueprint and acknowledge several salient and beneficial concepts; however, from our standpoint the development of a future roadmap and proposal for modernizing SOCWA must be undertaken through a collaborative process. Ideally, reforms should be jointly formulated to beneficially meet the needs of all SOCWA members and, among other things, incorporate opportunities for operational reforms, financial efficiencies, and augmented recycling opportunities as generally outlined in the Blueprint proposal. In this regard, while SCWD has several concerns and questions regarding the Blueprint proposal which are detailed in Attachment 1, we propose that elements of the Blueprint along with a full range of other proposals and ideas be formulated, evaluated, and considered for implementation through a consensus-based process among all the SOCWA members. Such a process would involve identifying and seeking common agreement on the issues and challenges at SOCWA, establishing long term goals and objectives, and jointly developing a full range of appropriate solutions and reforms.

In reviewing the Blueprint proposal, we note several key objectives put forth by SMWD and MNWD including the optimization of operations and administration, and the need for

Board of Directors

Doug Erdman
President

Scott Goldman
Vice President

Rick Erkeneff
Director

Bill Green
Director

Joe Muller
Director



control of wastewater treatment to support potable reuse initiatives. From SCWD's perspective, all these objectives as well as others such as agreed-to levels of service and strong regional collaboration can be successfully accomplished at SOCWA under the existing joint powers structure. For example, an inter-agency wastewater treatment and flow agreement to support the Orange County Groundwater Replenishment System (GWRS) has been in place and effectively implemented between Orange County Sanitation District (OC San) and the Orange County Water District (OCWD) for over two decades. Such agreements could also be put in place between SOCWA and its member agencies if members are willing to collaboratively work through SOCWA to address such issues. This example illustrates SCWD's position and a key point that SCWD Director Scott Goldman has made in several SOCWA Board and PC-2 committee meetings: that opportunities to improve SOCWA and address the specific goals and objectives of the member agencies can effectively be accomplished under SOCWA's existing structure. What's been missing, and is recommended by SCWD, is a framework for all SOCWA members to work in partnership by engaging in a process to jointly develop proposals and constructively affect change.

SCWD Recommended Course of Action:

SCWD proposes a collaborative workgroup process facilitated by a neutral third party that engages and involves all SOCWA member agencies. The primary goals of the facilitated workgroup process will be to:

1. Identify the key issues and challenges with the existing SOCWA structure, service, and governance;
2. Come to consensus on a common set of goals and objectives for improving SOCWA, addressing issues and challenges identified by SOCWA's member agencies, and positioning the organization for the future;
3. Develop mutually acceptable proposals and reforms to successfully address the goals and objectives and identify specific actionable changes within SOCWA;
4. Identify opportunities to streamline SOCWA administrative, engineering, and financial functions; and
5. Work toward the development of new policies and amendments to each of the applicable SOCWA agreements (e.g., JPA agreement, Project Committee agreements, and others) to implement the agreed-to changes that are needed to modernize SOCWA and meet the member agencies' goals for the organization.

Proposed Timeline:

The following table outlines SCWD's recommended workplan for this process and a proposed timeline. This workplan highlights a collaborative decision-making process and critical due

diligence items that SCWD recommends take place prior to the consideration of significant changes at SOCWA. To support this overall effort and provide a reasonable time allowance to address issues, SCWD recommends amending the existing PC-2 Agreement to extend its term, with December 31, 2023, as the new date of termination.

Item	Task	Milestone Completion Date
Facilitated process	<ul style="list-style-type: none"> • Select a neutral third-party facilitator to manage all collaborative tasks. • SOCWA Board approval of facilitator proposal and scope of work. • Facilitated workshops with all member agency representatives to undertake and build consensus on the following: <ul style="list-style-type: none"> ○ Critical issues that need to be resolved at SOCWA. ○ Strengths, Weaknesses, Opportunities and Threats (SWOT) analysis using AWWA Effective Utility Management guidelines. ○ Guiding principles for addressing issues and evaluating proposed changes. ○ Development of consensus-based solutions and proposed reforms. ○ Identification of performance benchmarks and success metrics. • Submittal of a summary report with items recommended by the member agencies for implementation: <ul style="list-style-type: none"> ○ Policy revisions, new agreements, revisions to SOCWA's existing Project Committee (PC) and Joint Powers agreements, and other mechanisms. ○ Proposed milestone implementation schedule. 	<p>March 2023</p> <p>April 2023</p> <p>May through October 2023</p> <p>December 2023</p>
Due diligence studies to support decision making	<p>To support the facilitated process and member agencies' decision making on proposed changes, SCWD recommends SOCWA consider contracting for the following due diligence items:</p> <ul style="list-style-type: none"> • Financial study to evaluate the current cost allocation methodology and model potential changes, with specific attention to a proportionate share of costs considering peak flows (including Infiltration and Inflow). • Condition Assessments of SOCWA treatment plants. 	<p>November 2023</p> <p>December 2023</p>

Project and other agreements	<ul style="list-style-type: none"> • Extend Term of PC-2 Agreement to December 31, 2023. • Develop terms and conditions, as needed, for SOCWA's existing PC agreements and Joint Powers Agreement based upon consensus recommendations. • Develop terms and conditions, as needed, for new inter-agency agreements such as recycled water flow and quality, contract operations and administrative support, and others based upon consensus recommendations. 	<p>April 2023 December 2023</p> <p>December 2023</p>
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SCWD acknowledges that meeting the schedule provided above will depend on the complexity of the issues and the ability of the parties to work toward consensus. We believe that with a good faith effort, the schedule is achievable. Furthermore, if positive progress is being made during the process and the SOCWA members collectively believe more time is necessary, then the dates outlined above, including the termination date for the PC-2 Agreement, can be adjusted accordingly.

In closing, SCWD appreciates the extensive effort by both MNWD and SMWD to prepare the Blueprint proposal. The Blueprint outlines potentially beneficial concepts, provides constructive feedback and identifies important considerations regarding the future of SOCWA. SCWD maintains that the existing SOCWA structure can work well but agrees there are areas for improvement and reform that will potentially improve service, modernize the organization, and better meet the needs of all member agencies. Notwithstanding the need for change, SOCWA was formed and has operated successfully through a collaborative process among its member agencies. It has very effectively and efficiently operated and managed wastewater treatment facilities, land outfalls, ocean outfalls and other facilities for many years with an excellent record of service and regulatory compliance. SOCWA has also proven its ability to consistently produce high-quality recycled water at the request of its member agencies, and has successfully implemented capital and other projects directed by the various PC members.

The existing SOCWA joint powers framework has served its members well and was founded on the basis of regional cooperation. In this context, SCWD (and the undersigned agencies) recommend that an intensive collaborative process as outlined in this letter be undertaken for SOCWA to identify critical issues, define an appropriate level of service, identify areas of improvement, develop recommendations, complete associated due diligence studies, and amend or develop new agreements, policy changes and other mechanisms to successfully move SOCWA into the future.

South Coast Water District's Proposal to Optimize SOCWA

February 20, 2023

Page 5

Sincerely,

Douglas Erdman
President of the Board
South Coast Water District

Scott Goldman
SOCWA Director representing
South Coast Water District

Attachment

cc: Bill Green
Rick Erkeneff
Joe Muller
Rick Shintaku

City of Laguna Beach

By: _____
Name: _____
Title: _____

City of San Clemente

By: _____
Name: _____
Title: _____

El Toro Water District

By: _____
Name: _____
Title: _____

Emerald Bay Service District

By: _____
Name: _____
Title: _____

Irvine Ranch Water District

By: _____
Name: _____
Title: _____

Moulton Niguel Water District

By: _____
Name: _____
Title: _____

Santa Margarita Water District

By: _____

Name: _____

Title: _____

Trabuco Canyon Water District

By: _____

Name: _____

Title: _____

ATTACHMENT 1

SCWD Analysis of Blueprint Proposal February 2023

- **COVER LETTER:**

- SCWD disagrees with the premise on page 2 of the cover letter that SOCWA did not foresee the advancements and opportunities for additional water reuse and the inference that SOCWA inhibited recycled water utilization. As indicated in the February 2, 2023, SOCWA Board meeting presentation by Amber Baylor (Agenda Item 8.C.), SOCWA staff have facilitated, properly planned and implemented water recycling in the region as requested by the member agencies. In fact, SOCWA staff successfully operate SCWD's Advanced Water Treatment facility that treats the Coastal Plant effluent to a high, Title 22 level, which is in turn used to provide landscape water for SCWD service area golf courses, resorts, HOAs, parks, City parkways, and more. Furthermore, SCWD does not agree that the retail water/recycled water agency needs full control of the wastewater treatment plant to ensure proper source water for planned water recycling project(s). OCWD and OC San (and many other separate water and sewer utilities) have successfully addressed this issue through interagency agreements.

- **FACILITY ASSETS:**

- The Blueprint initially identifies contract operations, including the transfer of assets to MNWD and SMWD. SMWD General Manager Dan Ferons clarified at his presentation of the proposal that there is flexibility in that SMWD and MNWD would be willing to accept either: (Option 1) a transfer of assets to SMWD and MNWD; or (Option 2) no asset transfer. Neither the Blueprint document nor General Manager Ferons' presentation indicated that under Option 1, compensation would be provided to the remaining respective PC members for their past investment in the treatment plant assets.
- The Blueprint does not provide a rationale for why the San Juan Creek and Aliso Creek Ocean outfalls are not being acquired by SMWD and MNWD. These facilities are integral to the operation of the JBL and Coastal Treatment plants.

- **OPERATIONS & ENGINEERING:**

- Under the Blueprint, SOCWA would retain the NPDES and Recycled Water regulatory permit responsibilities for the treatment plants (which are proposed to be owned/operated by SMWD and MNWD). It is not clear that this arrangement would provide the appropriate level of regulatory accountability.
- The Blueprint does not specify which staff (and how many FTEs) SOCWA will retain to maintain the outfalls and related infrastructure, or if it is anticipated that this function will be performed by a combination of SMWD and MNWD staff, and SOCWA staff.

- There are significant potential cost savings identified in the Blueprint from existing SMWD and MNWD staff supplementing SOCWA staff in the operation of facilities (e.g., operations, finance, engineering, etc.). SCWD has several questions and concerns regarding this plan, as follows:
 - What is the term of this supplemental period and agreement? 50 years?
 - Is the 6.5% specified in the Blueprint sufficient to recover all SMWD's and MNWD's labor costs for the operation of the treatment facilities?
 - What assurances are there that SMWD and MNWD will absorb these costs and duties in the long term?
 - Does this meet all existing and future legal requirements, such as Prop 218?
 - The Blueprint Proposal does not provide an attachment that shows the data used to calculate the individual agency's cost savings.
 - It appears that the cost savings proposed in the Blueprint are significantly offset by costs for staffing and risks being absorbed by SMWD and MNWD. From SCWD's perspective, this provides further evidence that the existing SOCWA structure can work (i.e., why would this supplemental staffing be needed if SOCWA staff have already been satisfactorily operating the SOCWA facilities under the current structure).
- It is not clear in the Blueprint that the proposed staff deployment plan (hours and availability) is materially different or better than SOCWA's current staffing plan, or if there is an operational coverage problem with existing SOCWA staff that needs to be addressed.
- It appears that the energy consumption practices referenced on pages 10 and 11 of the Blueprint Proposal could all be implemented under the existing SOCWA structure.
- There is no specific information offered in the Blueprint as to why SOCWA's preventative maintenance program needs improvement (page 12 of the proposal).
- The Blueprint does not provide a comparative table of available performance metrics for the SOCWA, MNWD, and SMWD wastewater treatment plants, or specifically indicate where SMWD's and MNWD's metrics meet or exceed SOCWA's metrics. SCWD recommends that identifying these performance metrics could effectively inform the proposed collaborative review process.
- It's not clear why the capital planning proposal (pages 14 and 15) can't be implemented under the existing SOCWA structure. If needed, SOCWA could utilize consultant assistance to accomplish this pursuant to expectations set forth by SMWD, MNWD and the other member agencies.
- It's not evident how SMWD and MNWD would provide an improvement in the engineering service areas (e.g., CIP execution, emergency project delivery, etc.), as compared to SOCWA staff with sufficient consultant help. It appears that SOCWA engineering is understaffed due to the budgetary pressures applied by various member

agencies. As such, a more relevant “apples-to-apples” analysis may be to compare for the same levels of service, the fully burdened costs for SOCWA engineering staff plus consultant help, with the proposed MNWD and SMWD engineering staffs with consultant support and remaining SOCWA engineering staff.

- **WATER RECYCLING – IPR, DPR, TITLE 22, ETC.**

- The Blueprint does not provide a compelling rationale why proposed water recycling opportunities cannot be pursued under the current SOCWA structure.
- Presentations by SMWD and MNWD and the Blueprint indicate that SMWD and MNWD need better control of the treated sewage for potable reuse purposes and, hence, the agencies are proposing to assume control of the sewage treatment process (currently assigned to SOCWA operations). It appears that other potable reuse projects, such as the Orange County Groundwater Replenishment System (GWRS), function effectively with interagency agreements to ensure quality and quantity of treated wastewater flows without transferring operational responsibility to the “water agency.” The interagency agreement between Orange County Sanitation District (OC San) and Orange County Water District (OCWD) has been in place for over 20 years and provides a successful framework for the operation of the GWRS.
- It is not clear in the Blueprint if SMWD or MNWD are proposing to recycle sewage in excess of their respective allocated flows. If this is the case, information should have been included in the Blueprint as to how the remaining agencies would be compensated for their sewage flows (and, potentially, sewage rights).
- The purported expansion of recycled water service from the Coastal Treatment Plant under the proposed operation by SMWD or MNWD is not sufficiently explained in the Blueprint.
- It is not clear why SOCWA would hold the master Recycled Water use permit, when under the Blueprint proposal SMWD and MNWD would respectively own and operate the treatment plants.

- **FINANCE:**

- The existing cost allocation structure at SOCWA does not disincentivize peak flows on each treatment plant and the Blueprint does not address this important issue. Peak flows directly increase infrastructure needs, increase operational costs, and add significant risk to the other participating agencies for the respective treatment plant.
 - Peak flows include sewer Infiltration & Inflow (I&I) from the sewers that each member agency is responsible for (flowing to a treatment plant). Reduction for I&I needs to be “incentivized” via a proper cost allocation structure for treatment. The Proposal does not account for this.
- No backup data or calculations are provided as attachments to the Blueprint proposal to support the proposed budgets and justify the assured savings (pages 22 through 24 of the Blueprint proposal).

- It is not clear in the Blueprint how the costs will be reduced for the ocean outfalls, the pretreatment program, and the water reclamation permits. These functions are provided by SOCWA under both scenarios.
 - The Blueprint does not provide assurances that SMWD's and MNWD's "absorbed expenses" will not be transitioned back to the other member agencies over time.
 - It is not stated in the Blueprint if SOCWA employees that are transferring to SMWD or MNWD will be terminated when/if the need comes for SMWD and MNWD to maximize efficiencies and reduce costs.
 - It is unclear if benefit structures and planned salary increases for SMWD and MNWD, respectively, are considered in the Blueprint proposal when compared with SOCWA labor and burden rate forecasts.
- **RISK & LIABILITY:**
 - If the treatment plants and associated physical infrastructure are owned by SMWD and MNWD under the proposal, why wouldn't these agencies have complete responsibility for liability and property claims? More clarity is needed on why the liability is proposed under the Blueprint to be shared.
 - Although the PERS Unfunded Accrued Liability (UAL) for the transferred employees is held at \$1.8 million, would prospective PERS Annual Required Contribution (ARC) employee expenses be greater under MNWD's and/or SMWD's operations given the higher PERS benefit structures as compared to SOCWA?
 - Page 28 of the Blueprint proposal states that for property or liability claims, the responsible agency (i.e., SMWD or MNWD) would assume full responsibility for claims or fines if determined to be operator error or negligence. What happens, for example, if a retail water agency were to send a significant peak flow of sewage (e.g., high discharge from an upstream treatment plant, a high Inflow and Infiltration (I&I) incident, etc.) and cause an overflow condition? Who would be liable? This was not addressed in the Blueprint proposal.
- **GOVERNANCE:**
 - The agencies on the Administrative Committee have an equal vote, but only a majority vote is required on the budget. This appears to diminish the representation of the remaining members with capacity rights in each plant.
 - Would a separate budget be presented and voted on for each plant and land outfalls?
 - The Blueprint proposal only allows for a change of operator with a 2/3 vote of the participating member agencies and minimum 50% capacity rights for the facility. This is a significant change and does not appear to be equitable or appropriate.

- The ownership of the treatment plants by SMWD and MNWD presents challenges on several different levels. One example is if the operator were to be changed in the future (from MNWD or SMWD). What would happen to the ownership of the facilities? Would these remain assets of SMWD and MNWD, or is there a “transfer” provision assumed in the agreement?

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

Board of Directors

March 15, 2023

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in-person and via teleconference on March 15, 2023, at 8:00 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
FERNANDO PALUDI	Trabuco Canyon Water District	Alternate Director
MARK MCAVOY	City of Laguna Beach	Alternate Director
FRANK URY	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director [arrived @ 8:10 a.m.]

Absent:

DOUG REINHART	Irvine Ranch Water District	Director [participated via Zoom as a non-voting member]
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Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
MARY CAREY	Finance Controller
RONI GRANT	Associate Engineer
DINA ASH	HR Administrator
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	PAM ARENDS-KING	South Coast Water District
KEVIN DAVIS	Procopio Law	TARYN KJOLSING	South Coast Water District
BRAD NEUFELD	Varner & Brandt, LLP	DREW ATWATER	Moulton Niguel Water District
DENNIS CAFFERTY	El Toro Water District	JOONE LOPEZ	Moulton Niguel Water District
DAN FERONS	Santa Margarita Water District	ALLISON BURNS	Stradling Law
RICK SHINTAKU	South Coast Water District	MARC SERNA	South Coast Water District
DON FROELICH	Moulton Niguel Water District	KEVIN DAY	Moulton Niguel Water District
SAUNDRA JACOBS	Santa Margarita Water District	MIKE GASKINS	El Toro Water District
BILL GREEN	South Coast Water District	LISA OHLUND	Ohlund Mgmt. & Tech. Svc
ROGER BUTOW	Clean Water Now	DICK FIORE	Moulton Niguel Water District
ERICA CASTILLO	Santa Margarita Water District	ANDREW HAGEN	Kidman Gagen Law, LLP
DAVID SHISSLER	City of Laguna Beach	BILL MOORHEAD	Moulton Niguel Water District
SHERRY WANNIGER	Moulton Niguel Water District	ROD WOODS	Moulton Niguel Water District

1. Call to Order

Chairman Collings called the meeting to order at 8:01 a.m.

2. Pledge of Allegiance – Director Mike Dunbar

3. Oral Communications

None.

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

There was no action taken.

5. CONSIDERATION AND ACTION REGARDING FUTURE DIRECTION OF SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)

Director Collings stated that there was an Ad HOC Committee meeting with Moulton Niguel, South Coast, and Santa Margarita. He stated that Ms. Lopez, General Manager for Moulton Niguel, would provide feedback on the meeting.

Ms. Lopez reported that the purpose of the Ad HOC meeting was to have discussions and have a better understanding of the position of each agency and their future perspective on a regional level. An open discussion ensued.

Director Goldman stated that the vast majority of the discussion was around SOCWA and SOCWA as a whole. He reiterated that while it's great that the three (3) agencies are meeting, this is a bigger SOCWA discussion and needs to hear from all of the SOCWA member agencies.

There was an open discussion on SOCWA's assets, capacity rights, and ownership of title deeds. The discussion included holding more Ad HOC meetings as well as other parallel meetings parallel to keep the process going to achieve resolution.

The following speakers provided comments:

Bill Green – South Coast Water District
Rick Shintaku – South Coast Water District
Roger Butow – Clean Water Now

This was an information item; no action was taken.

6. OTHER MATTERS

Director Goldman requested agendaizing the extension of the Tolling Agreement by 60 days which expires in April, pushing the expiration to the middle of June.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 8:48 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Board of Directors on March 15, 2023, and approved 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**

**Project Committee No. 2
Meeting**

**January 31, 2023
11:00 a.m.**

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 2 (PC 2) was held on January 31, 2023, at 11:00 a.m. via teleconference at 34156 Del Obispo Street, Dana Point, California. The following members of Project Committee No. 2 were present:

MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
FRANK URY	Santa Margarita Water District	Director

Staff Participation:

JIM BURROR	Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
RONI YOUNG GRANT	Associate Engineer
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
MARY CAREY	Controller
JEANETTE COTINOLA	Procurement/Contracts Manager
KONSTANTIN SHILKOV	Senior Accountant
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law
RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
DAVE REBENS DORF	City of San Clemente
OSMAN MUFTI	Sloan Sakai Yeung & Wong LLP
SHERRY WANNINGER	Moulton Niguel Water District
DAN FERONS	Santa Margarita Water District
DENNIS CAFERTY	El Toro Water District
SAUNDRA JACOBS	Santa Margarita Water District
BRAD NEUFELD	Varner & Brand LLC
ERICA CASTILLO	Santa Margarita Water District
JOONE LOPEZ	Moulton Niguel Water District
DON FROELICH	Moulton Niguel Water District
BILL MOORHEAD	Moulton Niguel Water District

1. Call Meeting to Order

Chairman Collings called the meeting to order at 11:00 a.m.

2. Public Comments

None.

3. Consideration and Action on South OC Wastewater Optimization Blueprint

Mr. Ferons, General Manager for Santa Margarita Water District, gave a presentation on the proposed South OC Wastewater Optimization Blueprint Overview. Mr. Ferons overview included proposed changes to the operation of the PC 2 JB Latham Treatment Plant, including transition plan reviews for scope, staffing, finances, governance, and liabilities. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 12:10 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 Project Committee No. 2 of January 31, 2023, and approved by the Project Committee No. 2, 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**

**Project Committee No. 2
Meeting**

**February 21, 2023
9:00 a.m.**

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 2 was held on February 21, 2023, at 9:00 a.m. in person and via teleconference at 34156 Del Obispo Street, Dana Point, California. The following members of Project Committee No. 2 were present:

MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
FRANK URY	Santa Margarita Water District	Director

Staff Participation:

JIM BURROR	Director of Operations
DAVID BARANOWSKI	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
RONI YOUNG GRANT	Associate Engineer
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
MARY CAREY	Controller
NADYN KIM	Accountant
KONSTANTIN SHILKOV	Senior Accountant
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law
RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
OSMAN MUFTI	Sloan Sakai Yeung & Wong LLP
SHERRY WANNINGER	Moulton Niguel Water District
ROGER BUTOW	Clean Water Now
DAN FERONS	Santa Margarita Water District
TARYN KJOLSING	South Coast Water District
SAUNDRA JACOBS	Santa Margarita Water District
DON FROELICH	Moulton Niguel Water District
BILL MOORHEAD	Moulton Niguel Water District
DICK FIORE	Moulton Niguel Water District
KEVIN DAY	Moulton Niguel Water District

1. Call Meeting to Order

Chairman Collings called the meeting to order at 9:00 a.m.

2. Public Comments

None.

3. Harbor Project Dewatering Operational Cost Study for the JB Latham Treatment Plant

Ms. Amber Baylor, Director of Environmental Compliance, reported that this item came to SOCWA through a permit from the harbor project to discharge their dewatering from their construction activities. She stated that South Coast Water District allowed the harbor to discharge 450 gallons per minute into the JB Latham facility for a duration of approximately three (3) years from the time of construction. An open discussion ensued.

The following public speaker(s) commented on this item:

Dan Ferons, General Manager – Santa Margarita Water District
Roger Butow – Clean Water Now
Saundra Jacobs – Santa Margarita Water District

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Goldman to authorize staff to 1) amend or enter into a contract with Carollo Engineers to perform the Operational Cost Study for the Harbor Dewatering Project and 2) invoice South Coast Water District for all costs associated with the project which in turn South Coast can then recover from the Developer.

Motion carried:	Aye 3, Nay 0, Abstained 0, Absent 0
	Director Ury Aye
	Director Collings Aye
	Director Goldman Aye

4. Consideration and Action Regarding South OC Wastewater Optimization Blueprint

- a. Discussion regarding South Coast Water District's proposal applicable to the JB Latham Plant / Project Committee No. 2.

Director Goldman reported that South Coast is working on preparing a proposal and will be distributing it to the entire Board by the end of the week. He requested the item be agendized for the March Board meeting for discussion and comments. An open discussion ensued.

The following public speaker(s) commented on this item:

Roger Butow – Clean Water Now

This was an information item; no action was taken.

- b. Continued discussion of Santa Margarita Water District's proposal applicable to the JB Latham Plant / Project Committee No. 2.
c. Discuss Project Committee No. 2 Draft Agreement

Mr. Ferons reported that the draft Operating Agreement was distributed to the PC 2 Members, Member Agencies, and the SOCWA staff. He stated that he had not heard back from anyone and looked forward to comments. He also said that Santa Margarita and Moulton are meeting with the

SOCWA staff and have begun receiving comments from the Employee Association regarding terms that could be included in the new Agreement. An open discussion ensued.

The following public speaker(s) commented on this item:

Roger Butow – Clean Water Now

Osman Mufti – Counsel for Santa Margarita Water District

There was a consensus of Project Committee 2 directing Ms. Ochoa to review Santa Margarita's draft Operating Agreement and provide comments as necessary.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 9:47 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 Project Committee No. 2 of February 21, 2023, and approved by the Project Committee No. 2, 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**

Finance Committee

December 20, 2022

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on December 20, 2022, at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Zoom Meeting:

DENNIS CAFFERTY	El Toro Water District	Alternate Director
DAN FERONS	Santa Margarita Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director

Absent:

DAVID SHISSLER	City of Laguna Beach	Alternate Director
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Staff Participation:

BETTY BURNETT	General Manager
MARY CAREY	Finance Controller
AMBER BAYLOR	Director of Environmental Compliance
JIM BURROR	Director of Operations
DAVID BARANOWSKI	Director of Engineering
KONSTANTIN SHILKOV	Senior Accountant
NAYDN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
DINA ASH	HR Administrator
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	IT Administrator
RONI YOUNG-GRANT	Associate Engineer
DANITA HIRSH	Executive Assistant

Also Participating:

KEVIN DAVIS	Procopio Law
SHERRY WANNINIGER	Moulton Niguel Water District
FRANK URY	Santa Margarita Water District
KATHRYN FRESHLEY	El Toro Water District
SAUNDRA JACOBS	Santa Margarita Water District
ERICA CASTILLO	Santa Margarita Water District

1. Call Meeting to Order

Chairman Ferons called the meeting to order at 10:32 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Finance Committee Meeting of November 30, 2022

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Arends-King to approve subject Minutes as submitted.

Motion carried:	Aye 3 , Nay 0, Abstained 1, Absent 1
	Director Ferons Aye
	Director Shissler Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Goldman Abstain

4. Financial Reports for the Month of November 2022

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Goldman to recommend that the Board of Directors ratify the November 2022 disbursements for the period from November 1, 2022, through November 30, 2022, totaling \$1,892,575, and to receive and file the November 2022 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 1
	Director Ferons Aye
	Director Shissler Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Goldman Aye

5. Year End June 30, 2022, Financial Auditing Services – Selection of Auditor with services up to four (4) years

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to recommend that the Board of Directors authorize the General Manager to enter into a contract for up to four (4) years with The Pun Group.

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

6. Final Cost of Service Restructure Opportunities for SOCWA – Verbal Update on Meeting with Finance Officers

Ms. Carey updated the Finance Committee on the presentation to the Member Agencies Finance Officers on December 7, 2022. OCWA's current approach to financial reporting and the associated history and reasons for establishing the methodologies. Ms. Carey

noted that the consensus from the Finance Officers was that any changes made now would be premature and most likely change later if restructuring changes occur. The Finance Officers agreed that more direction is needed from the Board of Directors from a global policy level on the organization. An open discussion ensued.

There was a consensus of the Finance Committee to put the discussion on hold until the Board of Directors addresses the global policy issues of the organization.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Ferons adjourned the meeting at 11:07 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of December 20, 2022, 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 Board Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.D.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of December 2022

Summary/Discussion

The following selected financial reports are routinely provided monthly to the Finance Committee for recommendation to the Board of Directors to ratify Cash Disbursements and receive and file the remaining documents.

The reports included are as follows:

1. Summary of Disbursements for December 2022 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)
6. Mid-year Fringe Pool and Fringe Rate Forecast (Exhibit E-5)

Fiscal impact

December 2022 cash disbursements were: \$ 4,037,903.

- Monthly disbursements are summarized in the attached Exhibit A.
- The attached Exhibits B, C, D and E are informational reports only.

Recommended Action: The Finance Committee recommends that the Board of Directors ratify the December 2022 disbursements, \$4,037,903, for the period from December 1, 2022, through December 31, 2022, and to receive and file the December 2022 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
Summary of Disbursements for December 2022
Staff Recommendation of Fiscal Matters**

	Actual
General Fund	\$ (1,749,483)
PC 2 - Jay B. Latham Plant	(987,300)
PC 5 - San Juan Creek Ocean Outfall	(296,739)
PC 8 - Pretreatment Program	(16,318)
PC 12 SO - Water Reclamation Permits	(25,360.58)
PC 15 - Coastal Treatment Plant/AWT	(206,031)
PC 17 - Joint Regional Wastewater Reclamation	(504,225)
PC 21 - Effluent Transmission Main	-
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(252,446)
Total	<u>\$ (4,037,903)</u>

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of December 31, 2022**

CASH IN BANK: (BEGINNING BAL.)	\$ 1,477,564
L.A.I.F. FUNDS: (BEGINNING BAL.)	8,016,673
DEPOSITS, TRANSFERS & ADJUSTMENTS:	1,228,986
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION ¹	<u>(4,037,903)</u>
TOTAL CASH IN BANK	<u>\$ 6,685,320</u>

¹ GL postings.

In accordance with Government Code 53646(c), since all funds are placed in the State LAIF, staff has included in the Financial Packet, the most current statement from the State LAIF, in lieu of the report required by Government Code 53646(b)(1).

In accordance with requirements of the Government Code and the "SOCWA Investment Policy", I hereby certify that:

- 1). All investment actions executed since the last report have been made in full compliance with the Investment Policy.
- 2). SOCWA does not have sufficient funds currently on hand to meet its expenditure obligations for the next six months (see note) due to the fact that SOCWA bills and receives operational funds on a quarterly basis only.

Betty Burnett
General Manager

Note: Operational funds are collected on a quarterly basis at the beginning of the quarter. Capital funds are collected on a quarterly basis in connection with projected needs. Member agencies have pledged to have funds available to meet all obligations.



PMIA/LAIF Performance Report as of 01/18/23



PMIA Average Monthly Effective Yields⁽¹⁾

December	2.173
November	2.007
October	1.772

Quarterly Performance Quarter Ended 12/31/22

LAIF Apportionment Rate ⁽²⁾ :	2.07
LAIF Earnings Ratio ⁽²⁾ :	0.00005680946709337
LAIF Fair Value Factor ⁽¹⁾ :	0.981389258
PMIA Daily ⁽¹⁾ :	2.29
PMIA Quarter to Date ⁽¹⁾ :	1.98
PMIA Average Life ⁽¹⁾ :	287

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾

12/31/22
\$199.6 billion

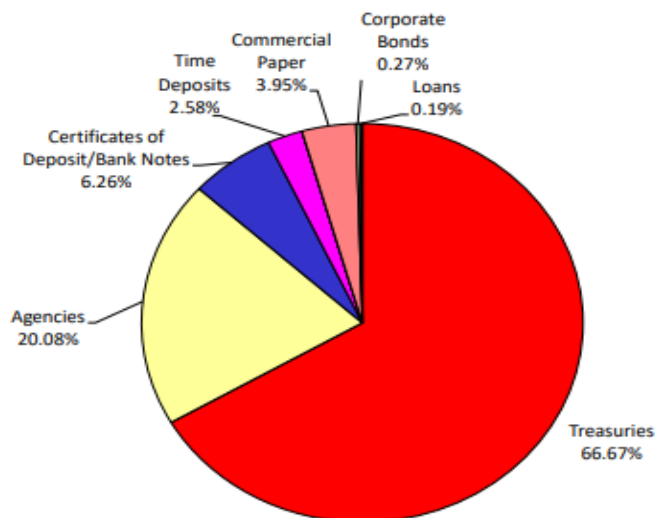


Chart does not include \$3,466,000.00 in mortgages, which equates to 0.002%. Percentages may not total 100% due to rounding.

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

⁽¹⁾ State of California, Office of the Treasurer

⁽²⁾ State of California, Office of the Controller

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of December 31, 2022**

MVA	\$ 168,588	(A)
A/P Checking	1,688,777	(B)
Payroll Checking	41,282	(C)
State LAIF	4,786,673	(D)
Total Cash in Bank¹	\$ 6,685,320	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 6,686,920	
OPEB Trust	5,737,543	(F)
Total Cash and Investments	\$ 12,424,463	

¹Bank balance at the end of a month may differ from an accounting closing balance as there may be in-transit items that haven't cleared the bank.

Notes:

- (A) Interest bearing account; all cash receipts are deposited in this account and later moved to the LAIF account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account, as needed, from the LAIF account.
- (C) Payroll including payroll taxes and related liabilities are drawn against this account; money is transferred into this account, as needed, from the LAIF account.
- (D) California State Local Agency Investment Fund (LAIF) balance.
- (E) Cash on hand with GM's office and held by Chief Operators at each Treatment facility.
- (F) OPEB Trust Fund; these funds can only be used for Retiree Health Benefits.

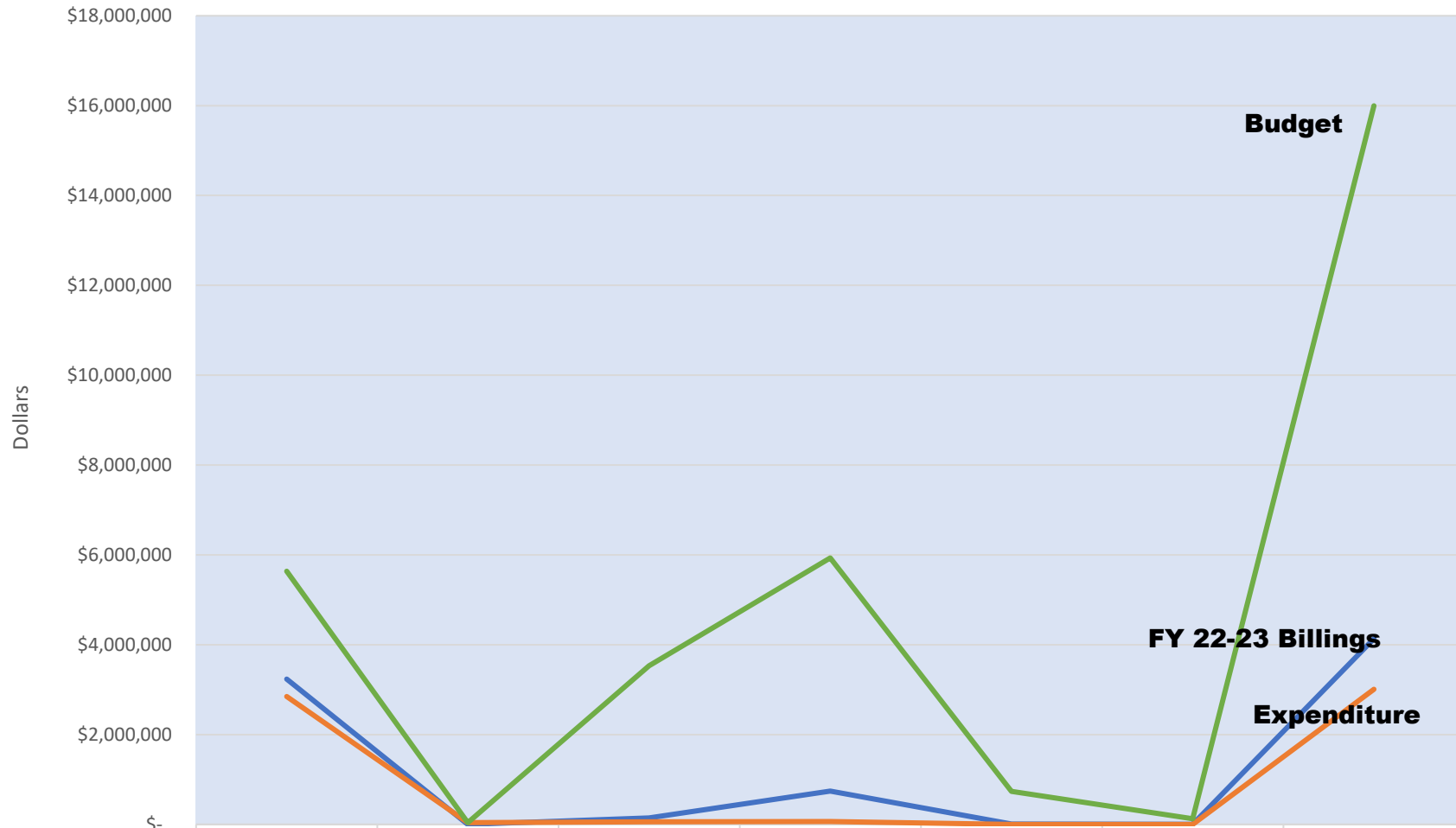
**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended December 31, 2022
(in dollars)**

FY 2022-23 Budget vs. Actual Spending								
Description¹	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Open Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 5,638,569	\$ 3,234,467	\$ 2,404,102	57.4%	\$ 2,845,405	\$ 2,845,405	\$ -	113.7%
PC 5-San Juan Creek Outfall	39,064	-	39,064	-	39,064	39,064	-	-
PC 15-Coastal	3,529,980	142,748	3,387,232	4.0%	56,250	56,250	-	253.8%
PC 17-Regional	5,928,616	741,981	5,186,635	12.5%	67,155	67,155	-	1104.9%
PC 21 Effluent Transmission	732,810	9,957	722,853	1.4%	-	-	-	-
PC 24 Aliso Creek Outfall	127,065	5,076	121,989	4.0%	-	-	-	-
Total Large Capital	\$ 15,996,104	\$ 4,134,230	\$ 11,861,874	25.8%	\$ 3,007,874	\$ 3,007,874	\$ -	137.4%
Non-Capital Engineering	217,326	21,418	195,908	9.9%	75,000	75,000	-	28.6%
Non-Capital Misc Engineering	17,500	11,009	6,491	62.9%	-	-	-	-
Small Internal Capital	2,061,000	566,978	1,494,022	27.5%	1,030,500	1,030,500	-	55.0%
Total Capital	\$ 18,291,930	\$ 4,733,635	\$ 13,558,295	25.9%	\$ 4,113,374	\$ 4,113,374	\$ -	115.1%

¹All Project Committees had cash on hand at the end of FY 2021-22 to help cover the current year expenditures.

Large Capital Projects Fiscal Year '22-23 Budget vs. Year-to-Date Expenditures & Billings as of 12/31/2022

Exhibit D-1



	PC 2-JB Latham	PC 5-San Juan Creek Outfall	PC 15-Coastal	PC 17-Regional	PC 21 Effluent Transmission	PC 24 Aliso Creek Outfall	Total Large Capital
Spent - YTD 12/31/22	\$3,234,467	-	\$142,748	\$741,981	\$9,956.64	5,075.84	\$4,134,230
FY 22-23 Billings	\$2,845,405	39,064.00	\$56,250	\$67,155	-	-	\$3,007,874
Capital Budget 22-23	\$5,638,569	39,064.00	\$3,529,980	\$5,928,616	\$732,810	\$127,065	\$15,996,104

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary¹
For the Period Ended December 31, 2022
(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe						
5000--**	Regular Salaries-O&M	4,931,084	2,260,287	2,670,797	45.8%	
5001--**	Overtime Salaries-O&M	73,524	73,189	335	99.5%	(1)
5306--**	Scheduled Holiday Work	86,468	46,109	40,359	53.3%	
5315--**	Comp Time - O&M	16,920	9,583	7,337	56.6%	(1)
5401--**	Fringe Benefits IN to PC's & Depts.	2,572,272	1,356,172	1,216,100	52.7%	(7)
5700--**	Standby Pay	70,000	34,060	35,940	48.7%	
	Total Payroll Costs	7,750,268	3,779,400	3,970,868	48.8%	
Other Expenses						
5002--**	Electricity	1,253,828	604,766	649,062	48.2%	
5003--**	Natural Gas	268,200	265,565	2,635	99.0%	(2)
5004--**	Potable & Reclaimed Water	87,008	38,316	48,692	44.0%	
5005--**	Co-generation Power Credit	(1,050,004)	(627,741)	(422,263)	59.8%	
5006--**	Chlorine/Sodium Hypochlorite	554,000	286,567	267,433	51.7%	(2)
5007--**	Polymer Products	789,548	519,084	270,464	65.7%	(2)
5008--**	Ferric Chloride	688,256	475,254	213,002	69.1%	(2)
5009--**	Odor Control Chemicals	117,572	73,912	43,660	62.9%	(2)
5010--**	Other Chemicals - Misc.	2,004	-	2,004	-	
5011--**	Laboratory Services	65,724	27,695	38,029	42.1%	
5012--**	Grit Hauling	124,472	67,028	57,444	53.8%	
5013--**	Landscaping	219,008	94,078	124,930	43.0%	
5014--**	Engineering - Misc.	-	-	-	-	
5015--**	Management Support Services	501,512	116,105	385,407	23.2%	
5017--**	Legal Fees	23,688	26,157	(2,469)	110.4%	
5018--**	Public Notices/ Public Relations	3,732	-	3,732	-	
5019--**	Contract Services Misc.	320,996	171,636	149,360	53.5%	
5021--**	Small Vehicle Expense	23,104	17,246	5,858	74.6%	(3)
5022--**	Miscellaneous Expense	15,988	2,643	13,345	16.5%	
5023--**	Office Supplies - All	46,008	15,526	30,482	33.7%	
5024--**	Petroleum Products	34,000	13,609	20,391	40.0%	
5025--**	Uniforms	71,004	46,169	24,835	65.0%	
5026--**	Small Vehicle Fuel	22,764	8,137	14,627	35.7%	
5027--**	Insurance - Property/Liability	491,248	401,454	89,794	81.7%	(3)
5028--**	Small Tools & Supplies	80,600	30,925	49,675	38.4%	
5030--**	Trash Disposal	8,500	6,098	2,402	71.7%	
5031--**	Safety Program & Supplies	112,712	61,596	51,116	54.6%	
5032--**	Equipment Rental	7,004	8,771	(1,767)	125.2%	(4)
5033--**	Recruitment	2,316	2,521	(205)	108.9%	
5034--**	Travel Expense/Tech. Conferences	73,736	8,292	65,444	11.2%	
5035--**	Training Expense	73,052	30,076	42,976	41.2%	
5036--**	Laboratory Supplies	121,144	76,949	44,195	63.5%	
5037--**	Office Equipment	25,992	5,497	20,495	21.1%	
5038--**	Permits	593,908	548,291	45,617	92.3%	(3)
5039--**	Membership Dues/Fees	25,120	6,916	18,204	27.5%	
5044--**	Offshore Monitoring	80,000	61,420	18,580	76.8%	
5045--**	Offshore Biochemistry - 20B	30,004	-	30,004	-	
5046--**	Effluent Chemistry	44,992	33,965	11,027	75.5%	
5047--**	Access Road Expenses	45,000	-	45,000	-	
5048--**	Storm Damage	21,000	-	21,000	-	
5049--**	Biosolids Disposal	1,568,996	928,028	640,968	59.1%	
5050--**	Contract Services Generators - 29A	28,008	6,751	21,257	24.1%	
5052--**	Janitorial Services	101,004	39,661	61,343	39.3%	

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary¹
For the Period Ended December 31, 2022
(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
5053--**-**	Contract Serv - Digester Cleaning - 29E	60,000	33,762	26,238	56.3%
5054--**-**	Diesel Truck Maint	41,996	22,528	19,468	53.6%
5055--**-**	Diesel Truck Fuel	11,496	9,129	2,367	79.4% (2)
5056--**-**	Maintenance Equip. & Facilities (Solids)	361,000	188,834	172,166	52.3%
5057--**-**	Maintenance Equip. & Facilities (Liquids)	589,996	276,756	313,240	46.9%
5058--**-**	Maintenance Equip. & Facilities (Common)	90,008	63,042	26,966	70.0% (5)
5059--**-**	Maintenance Equip. & Facilities (Co-Gen)	715,996	536,877	179,119	75.0% (6)
5060--**-**	Maintenance Equip. & Facilities (AWT)	88,000	42,885	45,115	48.7%
5061--**-**	Mileage	3,652	928	2,724	25.4%
5068--**-**	MNWD Potable Water Supplies & Svcs.	44,000	14,826	29,174	33.7%
5076--**-**	SCADA Infrastructure	92,128	56,892	35,236	61.8%
5077--**-**	IT Direct	45,004	41,822	3,182	92.9% (3)
5105--**-**	Co-Generation Power Credit - Offset	1,050,000	627,741	422,259	59.8%
5303--**-**	Group Insurance Waiver	18,000	8,474	9,526	47.1%
5305--**-**	Medicare Tax Payments for Employees	2,388	1,153	1,235	48.3%
5309--**-**	Operating Leases	28,004	8,650	19,354	30.9%
5705--**-**	Monthly Car Allowance	35,400	15,898	19,502	44.9%
5799--**-**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	-	100.0%
6500--**-**	IT Allocations in to PC's & Depts.	609,236	278,108	331,128	45.6%
	Total Other Expenses	11,589,052	6,713,264	4,875,788	57.9%
Total O&M Expenses		19,339,320	10,492,664	8,846,656	54.3%

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) Power emergencies to date between the three (3) Treatment Plants.
- (2) Chemical, fuel, and utilities increased with inflation and supply chain disruptions more than budgeted.
- (3) These are non-linear expenses that are primarily incurred in the first quarter of the Fiscal Year.
- (4) Several pieces are being rented due to delays associated with receiving newly purchased units.
- (5) JBL installed and replaced a failed welding fume hood. CTP implemented additional fire hardening recommendations from OCFA.
- (6) Completed both 30k and 40k Cogen services for the Fiscal Year.
- (7) The fringe rate was increased to 60% year-to-date from the budgeted 52.2 % based on an updated forecast; the change is primarily due to lower labor costs; there are openings in O&M and Engineering.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended December 31, 2022
(in dollars)

FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
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02 - Jay B. Latham Plant

Salary and Fringe

02-5000-**-**-**	Regular Salaries-O&M	1,699,352	808,041	891,311	47.5%
02-5001-**-**-**	Overtime Salaries-O&M	27,144	28,054	(910)	103.4% (1)
02-5306-**-**-**	Scheduled Holiday Work	37,836	20,418	17,418	54.0%
02-5315-**-**-**	Comp Time - O&M	8,056	4,304	3,752	53.4% (1)
02-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	886,460	484,824	401,636	54.7% (15)
02-5700-**-**-**	Standby Pay	26,000	13,488	12,513	51.9%
	Total Payroll Costs	2,684,848	1,359,129	1,325,719	50.6%

Other Expenses

02-5002-**-**-**	Electricity	534,828	300,532	234,296	56.2% (2)
02-5003-**-**-**	Natural Gas	165,128	114,076	51,052	69.1% (2)
02-5004-**-**-**	Potable & Reclaimed Water	26,004	13,882	12,122	53.4%
02-5006-**-**-**	Chlorine/Sodium Hypochlorite	9,000	10,215	(1,215)	113.5% (2)
02-5007-**-**-**	Polymer Products	319,544	193,433	126,111	60.5% (2)
02-5008-**-**-**	Ferric Chloride	255,252	145,082	110,170	56.8% (2)
02-5009-**-**-**	Odor Control Chemicals	23,568	18,163	5,405	77.1% (2)
02-5010-**-**-**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011-**-**-**	Laboratory Services	19,712	6,533	13,179	33.1%
02-5012-**-**-**	Grit Hauling	59,468	40,789	18,679	68.6% (2)
02-5013-**-**-**	Landscaping	77,004	31,272	45,732	40.6%
02-5015-**-**-**	Management Support Services	30,008	16,609	13,399	55.3%
02-5017-**-**-**	Legal Fees	4,996	9,659	(4,663)	193.3%
02-5019-**-**-**	Contract Services Misc.	82,000	64,438	17,562	78.6%
02-5021-**-**-**	Small Vehicle Expense	11,000	7,482	3,518	68.0% (3)
02-5022-**-**-**	Miscellaneous Expense	8,000	550	7,450	6.9%
02-5023-**-**-**	Office Supplies - All	29,000	7,285	21,715	25.1%
02-5024-**-**-**	Petroleum Products	11,000	5,097	5,903	46.3%
02-5025-**-**-**	Uniforms	34,008	20,160	13,848	59.3%
02-5026-**-**-**	Small Vehicle Fuel	10,004	3,056	6,948	30.5%
02-5027-**-**-**	Insurance - Property/Liability	167,039	140,326	26,713	84.0% (4)
02-5028-**-**-**	Small Tools & Supplies	38,000	10,574	27,426	27.8%
02-5030-**-**-**	Trash Disposal	3,000	852	2,148	28.4%
02-5031-**-**-**	Safety Program & Supplies	39,248	20,869	18,379	53.2%
02-5032-**-**-**	Equipment Rental	3,000	-	3,000	-
02-5033-**-**-**	Recruitment	1,000	1,301	(301)	130.1%
02-5034-**-**-**	Travel Expense/Tech. Conferences	20,596	2,926	17,670	14.2%
02-5035-**-**-**	Training Expense	25,352	10,464	14,888	41.3%
02-5036-**-**-**	Laboratory Supplies	21,000	10,405	10,595	49.5%
02-5037-**-**-**	Office Equipment	13,000	418	12,582	3.2%
02-5038-**-**-**	Permits	26,500	19,800	6,700	74.7% (4)
02-5039-**-**-**	Membership Dues/Fees	5,808	2,374	3,434	40.9%
02-5049-**-**-**	Biosolids Disposal	687,000	306,969	380,031	44.7%
02-5050-**-**-**	Contract Services Generators - 29A	10,004	2,700	7,304	27.0%
02-5052-**-**-**	Janitorial Services	47,000	19,334	27,666	41.1%
02-5053-**-**-**	Contract Serv - Digester Cleaning - 29E	60,000	33,762	26,238	56.3%
02-5054-**-**-**	Diesel Truck Maint	21,996	11,294	10,702	51.3%
02-5055-**-**-**	Diesel Truck Fuel	2,996	3,455	(459)	115.3% (2)
02-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	150,000	127,162	22,838	84.8% (5)
02-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	230,000	126,847	103,153	55.2%
02-5058-**-**-**	Maintenance Equip. & Facilities (Common)	29,000	30,776	(1,776)	106.1% (6)
02-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	277,000	131,249	145,751	47.4%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended December 31, 2022
(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
02-5061-**-**-**	Mileage	2,148	271	1,877	12.6%
02-5076-**-**-**	SCADA Infrastructure	27,832	18,964	8,868	68.1%
02-5077-**-**-**	IT Direct	15,004	13,941	1,063	92.9% (4)
02-5303-**-**-**	Group Insurance Waiver	7,204	3,586	3,618	49.8%
02-5309-**-**-**	Operating Leases	22,000	8,650	13,350	39.3%
02-5705-**-**-**	Monthly Car Allowance	22,800	9,549	13,251	41.9%
02-5799-**-**-**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	-	100.0%
02-6500-**-**-**	IT Allocations in to PC's & Depts.	211,980	96,766	115,214	45.6%
	Total Other Expenses	3,884,031	2,159,897	1,724,134	55.6%
	Total Expenses	6,568,879	3,519,026	3,049,853	53.6%
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000-**-**-**	Regular Salaries-O&M	108,564	64,135	44,429	59.1%
05-5001-**-**-**	Overtime Salaries-O&M	72	206	(134)	286.6%
05-5306-**-**-**	Scheduled Holiday Work	440	88	352	20.0%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	56,628	38,481	18,147	68.0% (15)
	Total Payroll Costs	165,704	102,911	62,793	62.1%
Other Expenses					
05-5015-**-**-**	Management Support Services	125,004	27,641	97,363	22.1%
05-5017-**-**-**	Legal Fees	2,008	1,565	443	77.9%
05-5026-**-**-**	Small Vehicle Fuel	500	-	500	-
05-5027-**-**-**	Insurance - Property/Liability	18,420	14,836	3,584	80.5% (4)
05-5031-**-**-**	Safety Supplies	1,004	-	1,004	-
05-5034-**-**-**	Travel Expense/Tech. Conferences	5,592	1,358	4,234	24.3%
05-5035-**-**-**	Training Expense	2,500	-	2,500	-
05-5036-**-**-**	Laboratory Supplies	35,000	16,957	18,043	48.4%
05-5038-**-**-**	Permits	275,000	271,995	3,005	98.9% (4)
05-5039-**-**-**	Membership Dues/Fees	2,000	-	2,000	-
05-5044-**-**-**	Offshore Monitoring	40,000	32,670	7,330	81.7% (7)
05-5045-**-**-**	Offshore Biochemistry - 20B	15,004	-	15,004	-
05-5046-**-**-**	Effluent Chemistry	22,496	26,118	(3,622)	116.1% (8)
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,004	-	1,004	-
05-6500-**-**-**	IT Allocations in to PC's & Depts.	13,148	6,002	7,146	45.6%
	Total Other Expenses	558,680	399,142	159,538	71.4%
	Total Expenses	724,384	502,054	222,330	69.3%

South Orange County Wastewater Authority
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		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	116,396	52,051	64,345	44.7%
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	60,716	31,231	29,485	51.4% (15)
	Total Payroll Costs	177,112	83,282	93,830	47.0%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,004	3,020	(16)	100.5%
08-5015-**-**-**	Management Support Services	20,004	-	20,004	-
08-5017-**-**-**	Legal Fees	2,672	605	2,067	22.6%
08-5018-**-**-**	Public Notices/ Public Relations	3,732	-	3,732	-
08-5021-**-**-**	Small Vehicle Expense - 31A	1,100	-	1,100	-
08-5022-**-**-**	Miscellaneous Expense	1,984	-	1,984	-
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,256	-	1,256	-
08-5027-**-**-**	Insurance - Property/Liability	6,141	4,946	1,195	80.5% (4)
08-5028-**-**-**	Small Tools & Supplies	3,600	93	3,507	2.6%
08-5034-**-**-**	Travel Expense/Tech. Conferences	3,496	-	3,496	-
08-5035-**-**-**	Training Expense	2,000	267	1,733	-
08-5038-**-**-**	Permits and Fines	504	-	504	-
08-5039-**-**-**	Membership Dues/Fees	796	452	344	56.8%
08-6500-**-**-**	IT Allocations in to PC's & Depts.	14,092	6,433	7,659	45.6%
	Total Other Expenses	64,381	15,816	48,565	24.6%
	Total Expenses	241,493	99,098	142,395	41.0%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	88,952	6,099	82,853	6.9%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	46,400	3,659	42,741	7.9% (15)
	Total Payroll Costs	135,352	9,758	125,594	7.2%
Other Expenses					
12-5014-**-**-**	Engineering - Misc.	-	-	-	-
12-5015-**-**-**	Management Support Services	164,996	31,379	133,617	19.0%
12-5017-**-**-**	Legal Fees	2,000	-	2,000	-
12-5027-**-**-**	Insurance - Property/Liability	8,884	7,155	1,729	80.5% (4)
12-5034-**-**-**	Travel Expense/Tech. Conferences	4,796	606	4,190	12.6%
12-5038-**-**-**	Permits	22,508	24,687	(2,179)	109.7%
12-5039-**-**-**	Membership Dues/Fees	68	-	68	-
12-6500-**-**-**	IT Allocations in to PC's & Depts.	10,764	4,914	5,850	45.6%
	Total Other Expenses	214,016	68,741	145,275	32.1%
	Total Expenses	349,368	78,499	270,869	22.5%

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		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**-**	Regular Salaries-O&M	954,888	449,638	505,250	47.1%
15-5001-**-**-**	Overtime Salaries-O&M	11,216	9,571	1,645	85.3% (1)
15-5306-**-**-**	Scheduled Holiday Work	15,672	7,467	8,205	47.6%
15-5315-**-**-**	Comp Time - O&M	1,996	2,443	(447)	122.4% (1)
15-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	498,120	269,783	228,337	54.2% (15)
15-5700-**-**-**	Standby Pay	17,000	5,233	11,768	30.8%
	Total Payroll Costs	1,498,892	744,134	754,758	49.6%
Other Expenses					
15-5002-**-**-**	Electricity	235,000	163,768	71,232	69.7% (2)
15-5003-**-**-**	Natural Gas	3,000	1,502	1,498	50.1%
15-5004-**-**-**	Potable & Reclaimed Water	25,004	11,219	13,785	44.9%
15-5006-**-**-**	Chlorine/Sodium Hypochlorite	90,000	52,908	37,093	58.8% (2)
15-5007-**-**-**	Polymer Products	1,000	-	1,000	-
15-5008-**-**-**	Ferric Chloride	70,000	63,086	6,914	90.1% (2)
15-5009-**-**-**	Odor Control Chemicals	52,004	22,463	29,541	43.2%
15-5011-**-**-**	Laboratory Services	20,000	5,843	14,157	29.2%
15-5012-**-**-**	Grit Hauling	21,004	8,680	12,324	41.3%
15-5013-**-**-**	Landscaping	57,000	30,982	26,018	54.4%
15-5015-**-**-**	Management Support Services	11,500	6,417	5,083	55.8%
15-5017-**-**-**	Legal Fees	5,000	1,565	3,435	31.3%
15-5019-**-**-**	Contract Services Misc.	110,000	50,577	59,423	46.0%
15-5021-**-**-**	Small Vehicle Expense - 31A	4,004	1,246	2,758	31.1%
15-5022-**-**-**	Miscellaneous Expense	1,000	164	836	16.4%
15-5023-**-**-**	Office Supplies - All	4,004	2,494	1,510	62.3%
15-5024-**-**-**	Petroleum Products	3,000	4,110	(1,110)	137.0% (9)
15-5025-**-**-**	Uniforms	9,000	5,782	3,218	64.2%
15-5026-**-**-**	Small Vehicle Fuel	2,000	1,457	543	72.8%
15-5027-**-**-**	Insurance - Property/Liability	72,916	58,729	14,187	80.5% (4)
15-5028-**-**-**	Small Tools & Supplies	9,000	4,581	4,419	50.9%
15-5030-**-**-**	Trash Disposal	2,996	2,165	831	72.3%
15-5031-**-**-**	Safety Supplies	32,804	13,295	19,509	40.5%
15-5032-**-**-**	Equipment Rental	1,000	-	1,000	-
15-5033-**-**-**	Recruitment	312	104	208	33.4%
15-5034-**-**-**	Travel Expense/Tech. Conferences	13,072	545	12,527	4.2%
15-5035-**-**-**	Training Expense	17,148	9,039	8,109	52.7%
15-5036-**-**-**	Laboratory Supplies	14,000	16,890	(2,890)	120.6% (10)
15-5037-**-**-**	Office Equipment	2,996	2,655	341	88.6%
15-5038-**-**-**	Permits	6,996	2,109	4,888	30.1%
15-5039-**-**-**	Membership Dues/Fees	4,800	1,263	3,537	26.3%
15-5047-**-**-**	Access Road Expenses	45,000	-	45,000	-
15-5048-**-**-**	Storm Damage	21,000	-	21,000	-
15-5050-**-**-**	Contract Services Generators	5,000	4,051	949	81.0% (4)
15-5052-**-**-**	Janitorial Services	12,004	5,937	6,067	49.5%
15-5054-**-**-**	Diesel Truck Maint - 31B	1,000	-	1,000	-
15-5055-**-**-**	Diesel Truck Fuel - 37B	500	-	500	-
15-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	144,996	48,382	96,614	33.4%
15-5058-**-**-**	Maintenance Equip. & Facilities (Common)	23,000	17,370	5,630	75.5% (11)
15-5060-**-**-**	Maintenance Equip. & Facilities (AWT)	38,000	20,309	17,691	53.4%
15-5061-**-**-**	Mileage	500	238	262	47.6%
15-5076-**-**-**	SCADA Infrastructure	32,296	18,964	13,332	58.7%

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		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
15-5077-**-**-**	IT Direct	15,000	13,941	1,059	92.9% (4)
15-5303-**-**-**	Group Insurance Waiver	3,600	1,814	1,786	50.4%
15-5305-**-**-**	Medicare Tax Payments for Employees	2,240	1,153	1,087	51.5%
15-5705-**-**-**	Monthly Car Allowance	4,200	2,116	2,084	50.4%
15-6500-**-**-**	IT Allocations in to PC's & Depts.	118,660	54,167	64,493	45.6%
	Total Other Expenses	1,368,556	734,076	634,480	53.6%
	Total Expenses	2,867,448	1,478,210	1,389,238	51.6%
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000-**-**-**	Regular Salaries-O&M	1,844,716	823,493	1,021,223	44.6%
17-5001-**-**-**	Overtime Salaries-O&M	34,472	35,292	(820)	102.4% (1)
17-5306-**-**-**	Scheduled Holiday Work	32,244	17,958	14,286	55.7%
17-5315-**-**-**	Comp Time - O&M	6,868	2,836	4,032	41.3% (1)
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	962,288	494,096	468,192	51.3% (15)
17-5700-**-**-**	Standby Pay	27,000	15,340	11,660	56.8%
	Total Payroll Costs	2,907,588	1,389,016	1,518,572	47.8%
Other Expenses					
17-5002-**-**-**	Electricity	484,000	140,466	343,534	29.0%
17-5003-**-**-**	Natural Gas	100,072	149,987	(49,915)	149.9% (2)
17-5004-**-**-**	Potable & Reclaimed Water	36,000	13,215	22,785	36.7%
17-5005-**-**-**	Co-generation Power Credit	(1,050,004)	(627,741)	(422,263)	59.8%
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	455,000	223,444	231,556	49.1% (2)
17-5007-**-**-**	Polymer Products	469,004	325,650	143,354	69.4% (2)
17-5008-**-**-**	Ferric Chloride	363,004	267,086	95,918	73.6% (2)
17-5009-**-**-**	Odor Control Chemicals	42,000	33,287	8,713	79.3% (2)
17-5010-**-**-**	Other Chemicals - Misc.	1,004	-	1,004	-
17-5011-**-**-**	Laboratory Services	23,008	12,299	10,709	53.5%
17-5012-**-**-**	Grit Hauling - 21A	44,000	17,558	26,442	39.9%
17-5013-**-**-**	Landscaping	85,004	31,824	53,180	37.4%
17-5015-**-**-**	Management Support Services	24,996	6,417	18,579	25.7%
17-5017-**-**-**	Legal Fees	5,004	11,197	(6,193)	223.8%
17-5019-**-**-**	Contract Services Misc.	110,000	56,621	53,379	51.5%
17-5021-**-**-**	Small Vehicle Expense	7,000	8,517	(1,517)	121.7% (3)
17-5022-**-**-**	Miscellaneous Expense	5,004	1,929	3,075	38.5%
17-5023-**-**-**	Office Supplies - All	13,004	5,747	7,257	44.2%
17-5024-**-**-**	Petroleum Products	20,000	4,402	15,598	22.0%
17-5025-**-**-**	Uniforms	27,996	20,227	7,769	72.3%
17-5026-**-**-**	Small Vehicle Fuel	9,004	3,624	5,380	40.3%
17-5027-**-**-**	Insurance - Property/Liability	199,964	161,057	38,907	80.5% (4)
17-5028-**-**-**	Small Tools & Supplies	30,000	15,677	14,323	52.3%
17-5030-**-**-**	Trash Disposal	2,504	3,081	(577)	123.0%
17-5031-**-**-**	Safety Supplies	38,652	27,432	11,220	71.0%
17-5032-**-**-**	Equipment Rental	3,004	8,771	(5,767)	292.0% (12)
17-5033-**-**-**	Recruitment	1,004	1,116	(112)	111.2%
17-5034-**-**-**	Travel Expense/Tech. Conferences	20,592	1,040	19,552	5.0%
17-5035-**-**-**	Training Expense	25,148	10,306	14,842	41.0%
17-5036-**-**-**	Laboratory Supplies	25,144	17,218	7,926	68.5%
17-5037-**-**-**	Office Equipment	9,996	2,424	7,572	24.2%
17-5038-**-**-**	Permits	15,000	2,199	12,801	14.7%
17-5039-**-**-**	Membership Dues/Fees	5,804	2,826	2,978	48.7%

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		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
17-5049-**-**	Biosolids Disposal	881,996	621,059	260,937	70.4% (2)
17-5050-**-**	Contract Services Generators - 29A	13,004	-	13,004	-
17-5052-**-**	Janitorial Services	42,000	14,390	27,610	34.3%
17-5054-**-**	Diesel Truck Maint	19,000	11,233	7,767	59.1%
17-5055-**-**	Diesel Truck Fuel	8,000	5,674	2,326	70.9% (2)
17-5056-**-**	Maintenance Equip. & Facilities (Solids)	211,000	61,673	149,327	29.2%
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)	215,000	101,527	113,473	47.2%
17-5058-**-**	Maintenance Equip. & Facilities (Common)	36,000	13,502	22,498	37.5%
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	438,996	405,628	33,368	92.4% (13)
17-5060-**-**	Maintenance Equip. & Facilities (AWT)	50,000	22,576	27,424	45.2%
17-5061-**-**	Mileage	1,004	419	585	41.7%
17-5068-**-**	MNWD Potable Water Supplies & Svcs.	44,000	14,826	29,174	33.7%
17-5076-**-**	SCADA Infrastructure	32,000	18,964	13,036	59.3%
17-5077-**-**	IT Direct	15,000	13,941	1,059	92.9% (4)
17-5105-**-**	Co-Generation Power Credit - Offset	1,050,000	627,741	422,259	59.8%
17-5303-**-**	Group Insurance Waiver	7,196	3,074	4,122	42.7%
17-5305-**-**	Medicare Tax Payments for Employees	148	-	148	-
17-5309-**-**	Operating Leases	6,004	-	6,004	-
17-5705-**-**	Monthly Car Allowance	8,400	4,232	4,168	50.4%
17-6500-**-**	IT Allocations in to PC's & Depts.	226,420	103,358	123,062	45.6%
	Total Other Expenses	4,956,080	3,002,722	1,953,358	60.6%
	Total Expenses	7,863,668	4,391,738	3,471,930	55.8%
21 - Effluent Transmission Main					
Salary and Fringe					
21-5000-**-**	Regular Salaries-O&M	1,156	-	1,156	-
21-5401-**-**	Fringe Benefits IN to PC's & Depts.	600	-	600	-
	Total Payroll Costs	1,756	-	1,756	0.0%
Other Expenses					
21-5019-**-**	Contract Services Misc.	18,996	-	18,996	-
21-5027-**-**	Insurance - Property/Liability	-	-	-	-
	Total Other Expenses	18,996	-	18,996	0.0%
	Total Expenses	20,752	-	20,752	0.0%
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-**	Regular Salaries-O&M	117,060	56,829	60,231	48.5%
24-5001-**-**	Overtime Salaries-O&M	620	65	555	10.4%
24-5306-**-**	Scheduled Holiday Work	276	178	98	64.6%
24-5401-**-**	Fringe Benefits IN to PC's & Depts.	61,060	34,098	26,962	55.8% (15)
	Total Payroll Costs	179,016	91,170	87,846	50.9%
Other Expenses					
24-5015-**-**	Management Support Services	125,004	27,642	97,362	22.1%
24-5017-**-**	Legal Fees	2,008	1,565	443	77.9%
24-5027-**-**	Insurance - Property/Liability	17,884	14,404	3,480	80.5% (4)
24-5031-**-**	Safety Supplies	1,004	-	1,004	-
24-5034-**-**	Travel Expense/Tech. Conferences	5,592	1,817	3,776	32.5%
24-5035-**-**	Training Expense	904	-	904	-

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended December 31, 2022
(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
24-5036-**-**-**	Laboratory Supplies	26,000	15,479	10,521	59.5%
24-5038-**-**-**	Permits	247,400	227,502	19,898	92.0%
24-5039-**-**-**	Membership Dues/Fees	5,844	-	5,844	-
24-5044-**-**-**	Offshore Monitoring	40,000	28,750	11,250	71.9% (7)
24-5045-**-**-**	Offshore Biochemistry - 20B	15,000	-	15,000	-
24-5046-**-**-**	Effluent Chemistry	22,496	7,847	14,649	34.9%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004	1,394	(390)	138.8% (14)
24-6500-**-**-**	IT Allocations in to PC's & Depts.	14,172	6,469	7,703	45.6%
	Total Other Expenses	524,312	332,870	191,442	63.5%
	Total Expenses	703,328	424,039	279,289	60.3%
Total O&M Expenses		19,339,320	10,492,664	8,846,656	54.3%

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
O&M Budget vs. Actual Comparison by PC
For the Period Ended December 31, 2022

- (1) Power emergencies to date between the three (3) Treatment Plants.
- (2) Chemicals, fuel, and utilities increased with inflation and supply chain disruptions more than budgeted.
- (3) Several older vehicles are being maintained.
- (4) These are non-linear expenses that are primarily incurred in the first quarter of the Fiscal Year.
- (5) Staff is performing additional work in areas isolated by ongoing construction work that is not normally accessible for O&M work.
- (6) JBL installed and replaced a failed welding fume hood.
- (7) Toxicity exceedances at the SJCOO triggering accelerated testing and additional costs.
- (8) New NPDES permit requirement for continuous TDS monitoring installation at M-001 sampler.
- (9) Refueling associated with several extended power outages.
- (10) Additional supplies for sampler maintenance and supply restocking.
- (11) CTP implemented additional fire hardening recommendations from OCFA.
- (12) Several pieces are being rented due to delays associated with receiving newly purchased units.
- (13) 30,000-hour Cogen Service Completed.
- (14) O&M staff implementing recommendations in the new NPDES Permit.
- (15) The fringe rate was increased to 60% year-to-date from the budgeted 52.2 % based on an updated forecast; the change is primarily due to lower labor costs; there are openings in O&M and Engineering.

Exhibit E-2

**South Orange County Wastewater Authority
Budget vs. Actual Comparison - Engineering**

For the Period Ended December 31, 2022

(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	161,205	61,025	100,180	37.9%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	84,092	36,615	47,477	43.5% (1)
	Total Payroll Costs	245,297	97,639	147,658	39.8%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	799	2,385	25.1%
01-5023-03-00-00	Office Supplies - All	208	59	149	28.5%
01-5031-03-00-00	Safety Supplies	306	-	306	-
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,439	-	6,439	-
01-5035-03-00-00	Training Expense	2,244	-	2,244	-
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	134	1,243	9.8%
01-5061-03-00-00	Mileage	510	23	487	4.6%
01-5309-03-00-00	Operating Leases	9,300	8,017	1,283	86.2%
01-5705-03-00-00	Monthly Car Allowance	4,200	1,615	2,585	38.5%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	52,639	24,029	28,610	45.6%
	Total Other Expenses	81,127	34,678	46,449	42.7%
Total Engineering Expenses		326,424	132,317	194,107	40.5%

(1) The fringe rate was increased to 60% year-to-date from the budgeted 52.2 % based on an updated forecast; the change is primarily due to lower labor costs; there are openings in O&M and Engineering.

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration

For the Period Ended December 31, 2022

(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT	974,150	465,921	508,229	47.8%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	12,873	(2,873)	128.7% (1)
01-6315-04-00-00	Comp Time - Admin	5,000	1,618	3,382	32.4%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	508,162	279,553	228,610	55.0% (3)
	Total Payroll Costs	1,497,312	759,965	737,347	50.8%
Other Expenses					
01-6018-04-00-00	Public Notices/Public Relations	3,270	-	3,270	-
01-6101-04-00-00	HR Recruitment & Employee Relations	29,190	8,503	20,687	29.1%
01-6102-04-00-00	Subscriptions	2,533	1,208	1,325	47.7%
01-6103-04-00-00	Contract Labor	30,000	5,059	24,941	16.9%
01-6200-04-00-00	Management Support Services	50,000	34,198	15,802	68.4%
01-6201-04-00-00	Audit	46,000	19,100	26,900	41.5%
01-6202-04-00-00	Legal	200,000	168,307	31,693	84.2%
01-6204-04-00-00	Postage	1,500	716	784	47.7%
01-6223-04-00-00	Office Supplies - Admin	4,294	1,754	2,540	40.8%
01-6224-04-00-00	Office Equipment Admin or IT	6,000	761	5,239	12.7%
01-6234-04-00-00	Memberships & Trainings	95,912	101,991	(6,079)	106.3% (2)
01-6239-04-00-00	Travel & Conference	25,000	5,918	19,082	23.7%
01-6241-04-00-00	Education Reimbursement	4,500	655	3,845	14.6%
01-6310-04-00-00	Miscellaneous	20,000	11,285	8,715	56.4%
01-6311-04-00-00	Mileage	569	238	331	41.8%
01-6317-04-00-00	Contract Services Misc	5,573	2,947	2,626	52.9%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	117,968	53,851	64,117	45.6%
01-6601-04-00-00	Shipping/Freight	4,382	356	4,026	8.1%
01-6705-04-00-00	Monthly Car Allowance	12,000	6,046	5,954	50.4%
	Total Other Expenses	658,691	422,893	235,798	64.2%
Total Admin Expenses		2,156,003	1,182,859	973,144	54.9%

(1) Increased number of meetings.

(2) Inflationary impact on costs

(3) The fringe rate was increased to 60% year-to-date from the budgeted 52.2 % based on an updated forecast; the change is primarily due to lower labor costs; there are openings in O&M and Engineering.

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended December 31, 2022
(in dollars)

		FY 2022-23 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	106,310	52,049	54,261	49.0%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	55,456	31,230	24,226	56.3% (2)
	Total Salary & Fringe	161,766	83,279	78,487	51.5%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	-	1,000	-
01-6035-05-00-00	Training Expense	3,000	-	3,000	-
01-6224-05-00-00	Office Equipment Admin or IT	600	-	600	-
01-6234-05-00-00	Memberships & Trainings	12,850	1,810	11,040	14.1%
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	-
01-6300-05-00-00	Software Maintenance Agreements	60,433	32,013	28,420	53.0%
01-6301-05-00-00	Hardware Maintenance Agreements	14,186	10,252	3,934	72.3% (1)
01-6302-05-00-00	Cloud Subscriptions (Internet)	181,766	90,478	91,288	49.8%
01-6303-05-00-00	Telecommunications	164,582	74,053	90,529	45.0%
01-6305-05-00-00	IT Professional Services	53,500	14,675	38,825	27.4%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	28,900	7,705	21,195	26.7%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	26,444	9,595	16,849	36.3%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	31,364	32,809	48.9%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
01-6312-05-00-00	Computer & Photocopy Supplies	-	764	(764)	-
	Total Other Expenses	618,094	272,709	345,385	44.1%
Total Expenses before Allocation		779,860	355,988	423,872	45.6%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(779,860)	(355,988)	(423,872)	45.6%
	Total IT Allocations (Out) to PC's & Depts	(779,860)	(355,988)	(423,872)	45.6%

(1) AVI SPL Maintenance for JBL Audio/Visual

(2) The fringe rate was increased to 60% year-to-date from the budgeted 52.2 % based on an updated forecast; the change is primarily due to lower labor costs; there are openings in O&M and Engineering.

South Orange County Wastewater Authority
Fringe Benefits Pool and Rate
FY 2022-23 December Actual and Balance of Year Forecast

¹ Fringe Rate Forecast is 60%, an increase from the budgeted 52.2% due to lower labor costs; it will be used for December Year to Date Actuals										
	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Actual	FY 2020-21 Actual	FY 2021-22 Actual	FY 2022-23 Budget	FY 2022-23 Frst Total	Budget Change
457 Plan - Employer Contributions (52 Participants)	\$13,821	\$83,925	\$75,524	\$64,550	\$74,097	\$72,639	\$76,797	\$80,000	\$80,000	\$0
Accrued Administrative Leave	34,879	30,478	23,929	26,567	47,949	33,434	36,582	35,142	31,977	(3,165)
Accrued Holiday	221,783	220,371	234,247	244,674	251,092	262,771	262,937	290,432	267,550	(22,882)
Accrued Personal Leave	74,238	76,638	83,205	87,369	97,085	81,137	97,394	96,811	95,527	(1,283)
COVID 19 Federal Leave						44,236	1,533		-	-
COVID 19 State Leave						15,910	37,815		48,674	48,674
Accrued Sick Pay	242,262	262,987	204,767	274,389	233,159	289,940	273,286	310,663	302,898	(7,765)
Accrued Vacation	372,526	416,343	345,815	419,442	383,841	382,525	416,472	420,367	433,335	12,968
Bereavement Pay	1,345	8,088	10,892	10,820	9,043	12,149	12,901	9,170	12,699	3,530
Jury Duty			5,817	3,149	5,156	1,005	5,054	5,250	2,535	(2,715)
Disability Insurance - Private	51,728	56,122	57,924	56,713	61,659	61,468	62,325	62,538	62,471	(67)
Group Medical Insurance	948,341	1,017,679	864,239	918,687	902,394	959,986	1,024,258	1,104,750	1,082,819	(21,931)
Medicare Tax - Employer	94,167	94,550	96,326	100,314	104,441	104,289	96,485	112,130	112,903	773
Retiree Health Savings Program (RHS)			17,800	29,600	39,600	48,000	55,000	57,600	62,200	4,600
Retiree Health PARS Investment	500,000	504,000	210,000						-	-
Retiree Health Benefits ²	281,389	384,936	354,582	423,438	456,943				-	-
Retirement - PERS Normal Costs	517,823	500,175	504,975	570,071	584,043	640,736	636,896	633,420	618,147	(15,274)
Retirement - PERS Unfunded Liability ²	432,628	499,903	599,849	743,843	867,337				-	-
Unemployment Ins./Reimbursement	1,378	1,234		11,608				1,000	-	(1,000)
Workers Compensation Ins.	76,883	212,990	233,538	159,452	192,000	121,937	182,738	195,530	143,335	(52,195)
Total O&M Budget Fringe Benefits Pool	\$3,865,192	\$4,370,418	\$3,923,431	\$4,144,686	\$4,309,837	\$3,132,163	\$3,278,473	\$3,414,802	\$3,357,071	(\$57,732)
Change in Fringe Pool		13.1%	-10.2%	5.6%	4.0%	-27.3%	4.7%	4.2%	-1.7%	
Pay for Time Worked Labor Base(Regular Salaries)										
O&M including CIP Labor	\$3,184,417	\$3,224,868	\$3,282,424	\$3,451,281	\$3,402,166	\$3,379,203	\$3,964,865	\$3,536,902		(\$427,963)
Environmental	815,299	789,929	827,189	933,333	955,618	949,369	1,066,194	983,671		(82,522)
Engineering including CIP Labor	305,422	377,076	396,554	397,732	428,407	418,681	434,675	317,537		(117,139)
Admin	695,744	857,635	896,766	934,332	899,005	923,711	974,150	931,842		(42,307)
IT	44,447	84,015	85,028	92,851	99,833	103,017	106,310	104,099		(2,211)
Total Pay for Time Worked Labor Base	\$4,976,917	\$5,045,329	\$5,333,523	\$5,487,962	\$5,809,528	\$5,785,029	\$5,773,981	\$6,546,194	\$5,874,051	(\$672,142)
Fringe Rate	78%	86.6%	73.6%	75.5%	74.2%	54.1%	56.8%	52.2%	57.2%	
Change in Labor Base		1.4%	5.7%	2.9%	5.9%	-0.4%	-0.2%	13.4%	-10.3%	

¹Finance will notify the Finance Committee and ask for additional funding if required.

²Retiree Health (OPEB) Pay-Go expenses and Unfunded Pension Liability (UAL) removed from Fringe Pool and Distributed by Member Agency based on the Board Approved Actuarial Methodology.

Agenda Item

5.E.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Q2 FY 2022-23 Cash Roll Forward as of December 31, 2022

Summary/Discussion

The following selected financial reports are routinely provided quarterly to the Finance Committee for recommendation to the Board of Directors to review Cash Roll Forward and receive and file the following documents.

Cash Roll Forward Q2, December 31, 2022

Cash Roll Forward balances are attached:

- Cash Roll Forward Notes, including:
 - Cash on Hand reconciled to the Bank Statement
 - Cash in Excess of Expenditures to date
- Large Capital Cash Reconciliation to General Ledger (GL)
- Large Capital Cash Roll Forward Balance by Project Committee, Member Agency, and Project
- Non-Capital Cash Roll Forward Balance by Project Committee, Member Agency, and Project
- Non-Capital – Miscellaneous Cash Roll Forward Balance by Project Committee, Member Agency, and Project
- Small Capital Cash Roll Forward balance by Project Committee, Member Agency, and Project

Recommended Action: The Finance Committee recommends that the Board of Directors receive and file the Q2 Fiscal Year 2022-23 Cash Roll Forward as submitted.

Preliminary Cash Roll Forward Notes Q2 FY 2022-23

1. Cash on Hand from the Net Position Statement and reconciled to the bank statement
2. Adjustment for current assets and liabilities, obligations against the cash (accounts payable, payroll accruals, PTO reserves, and the Use Audit Due (To) Member Agencies; the offset to these items is in the Use Audit as an expense or in construction-in-progress if capital related.)

Amounts due to the Authority, accounts receivable, the Use Audit Due From Member Agencies, prepaids, and deposits.
3. Available Cash (Item 1 above less Item 2). The Authority does not carry cash reserves; there is some carryover cash for non-capital projects in-process at yearend. Large Capital Cash is held until project completion which could span several years.
4. Large Capital Cash is supported by a subsidiary report detailing by project committee,
 - a) Beginning cash balance from the audited 6/30/2022 Net Position Statement
 - b) Contributions based on the quarterly capital billings
 - c) Actual expenditures
 - e) Net Cash balance
5. Total large capital cash.
6. Non-Capital Miscellaneous carryover and current year cash balances for small capital, non-capital and O&M.
7. The difference is additional cash from interest on the LAIF account balance and sources other than the Member Agencies, i.e., recycling and sale of older assets not in use.

South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2017, 2018, 2019, 2020, 2021, 2022 & Preliminary Q1 & Q2 2023

	6/30/2016	6/30/2017	6/30/2018	6/30/2019	6/30/2020	6/30/2021	6/30/2022	9/30/2022	12/31/2022	Change +/-	% Change
(1) Cash on Hand (G/L Balance)¹	\$5,777,486	\$12,949,694	\$13,557,237	\$20,857,094	\$22,361,420	\$15,190,921	\$10,485,283	\$7,148,390	6,685,320	(\$463,070)	-6.5%
Accounts Payable	(2,453,079)	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)	(5,882,659)	(2,451,972)	(684,927)	(1,525,723)		
Accrued Payroll	(129,958)	(102,661)	(127,396)	(100,221)	(160,049)	(224,996)	(245,023)	(141,343)	(10,028)		
Accounts Receivable	316,772	1,069,282	1,660,444	14,179	49,286	59,478	56,072	652,687			
(2) PTO Reserves	(684,767)	(653,282)	(620,032)	(683,536)	(734,477)	(877,242)	(815,201)	(654,074)	(713,065)		
Due to Mbr Agency	(1,692,399)	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)	(4,096,390)	(1,720,819)	(1,720,819)			
Due From Mbr Agency	1,316,255	1,069,819	2,433,322	856,669	870,004	1,280,615	840,732	840,732	179,394		
Mbr Agency Refund held for FY 19-20				(1,068,028)							
LAIF Fair Value Adjustment	311,131					(1,156)	117,343				
Prepaid	65,614	65,082	204,867	211,725	155,939	198,709	290,794	504,062	892,904		
Petty Cash							(1,600)	(1,600)	(1,600)		
Deposits	18,000	19,500									
(3) Available Cash	2,845,055	10,375,905	10,883,737	15,631,481	17,353,752	\$5,647,281	\$6,555,608	\$5,943,107	\$5,507,202		
(4) Large Capital Cash as of June 30th 2017, 2018, 2019, 2020, 2021, 2022, 2023	2,223,007	9,168,439	8,793,369	15,067,539	15,616,950	6,973,860	6,545,659	6,340,392	5,296,613	(1,043,779)	-16.5%
Non Capital Engineering Cash Balance	0	295,062	(81,041)								
Moulton Niguel Non Capital Engineering Accounts Receivable		(21,831)	(22,416)								
Moulton Niguel Large Capital Accounts Receivable		649,490	1,382,368								
Use Audit Settlement			216,467			(1,511,608)	(122,690)	(122,690)			
Use Audit Settlement	211,626	(49,931)	(49,931)								
(5) Total Large Capital Cash	2,434,633	10,041,229	10,238,817	15,067,539	15,616,950	5,462,252	6,422,969	6,217,702	5,296,613		
(6) Small Capital Carryover	129,000	(129,000)		172,996	565,000	161,729					
Non-Capital Carryover					369,508	203,442					
Non-Capital Misc. Carryover					252,298	132,113	90,000	90,000	90,000		
Cash Collected for PC 2 Zephyr Wall		76,318		76,318							
Other misc., fringe adj, interest adj, etc.		22,331	(4,916)			1,001					
Small Capital Cash Collected in Excess of Expenditures						547,506		125,852	463,522		
Non Capital Cash Collected in Excess of Expenditures						9,110		17,028	53,582		
Non Capital Misc Cash Collected in Excess of Expenditures						52,266		(11,600)	(11,600)		
O&M Cash Collected in Excess of Expenditures						215,060		200,000	(447,483)		
O&M, Small Cap, Non-Cap, Non-Cap Misc Use Audit Settlement						(1,304,166)		(757,397)			
O&M, Small Cap, Non-Cap, Non-Cap Misc Cash Collected in Excess of Expenditures											
Net Cash as of June 30th 2017, 2018, 2019, 2020, 2021, 2022	2,563,633	10,010,879	10,233,900	15,316,853	16,803,755	5,480,313	6,512,969	5,881,585	5,444,633		
(7) Difference	\$281,422	\$365,027	\$649,837	\$314,628	\$549,996	\$166,969	\$42,640	\$61,522	\$62,569		

South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2017, 2018, 2019, 2020, 2021, 2022 & Preliminary Q1 & Q2 2023

	6/30/2016	6/30/2017	6/30/2018	6/30/2019	6/30/2020	6/30/2021	6/30/2022	9/30/2022	12/31/2022	Change +/-	% Change
Additional Cash Is:											
Prior Balance		\$281,422	\$365,027	\$649,837	\$314,628	\$549,996	\$166,969	\$42,640	\$61,522		
Payment to Member Agencies				(649,837)	(314,628)	(549,996)	(166,969)		(42,640)		
County of Orange Bankruptcy Payment	18,714										
County of Orange Admin Fees	13,626										
County of Orange Access Maintenance	3,000										
City of Laguna Niguel Heat Transfer	31,320										
SMWD Lab Fees	17,820										
Coke machine	30										
FEMA Reimbursement			136,995		9,277						
CA State Cost Reimbursement					15,356						
Interest Income Received	24,587	45,294	114,150	249,482	405,052	74,802	21,004	5	22,986		
Recycling Income	16,710	11,708	2,112	1,618	1,966.23	2,947	2,599		2,261		
PC 23 Admin Payment		9,135				5,300	5,450	5,600			
Mutual Omaha Refund		8,034									
Interest received for 4th qtr		4,934	25,256	52,302	113,947	83,920	10,300	19,358	19,358		
LAIF Interest Adj.		3,000									
Grant Revenue SoCal Edison		1,500									
Other misc. expenses					(4,277)		(2,413)	(6,081)	(919)		
Sale of Fixed Assets	20,289		6,297	11,226	8,675		5,700				
Other misc adjustments	135,326										
Total Other Cash	\$281,422	\$365,027	\$649,837	\$314,628	\$549,996	\$166,969	\$42,640	\$61,522	\$62,569	0	(0)

¹Cash on hand decreased by \$463 thousand or 6.5% due to the change in the Large Capital work plan.

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q2 FY 2022-23

Large Capital Cash Balance After Use Audit as of December 31, 2022									
	16	17	18	19	20	21	22	23	24
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD
									Total
PC 02 J B Latham									
Liquids									
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	42,474	-	-	-	31,896	23,927	39,871
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	22,657	-	-	-	17,014	12,762	21,269
3253-000 - Effluent System Valves Replacement (2107)	-	-	27,244	-	-	-	21,598	16,200	26,997
3254-000 - Additional Package B Liquids Design (2017)	-	-	45,357	-	-	-	34,032	25,524	42,541
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	2,439	-	-	-	1,897	1,493	2,394
3285-000 - Main Plant Drain Line Reconstruction (2018)	-	-	(209)	-	-	-	(157)	(118)	(196)
3215-000 - Motor Control Center M Replacement Design (2019)	-	-	9,359	-	-	-	7,019	5,264	8,774
3220-000 - Facility Improvements B - Basin Upgrades Construction I (2019)	-	-	171,325	-	-	-	128,542	96,332	160,656
32211L-000 - Plant 2 Grit Area Rehabilitation	-	-	(27,783)	-	-	-	(20,837)	(15,628)	(26,046)
32226L-000 - Effluent Pump Station Upgrades	-	-	28,846	-	-	-	21,635	16,226	27,043
32235L-000 - Effluent PS Electrical Rehabilitation	-	-	1,258	-	-	-	943	707	1,179
32212L-000 - Primary Tank Covers Replacements	-	-	92,308	-	-	-	69,231	51,923	86,538
Total PC 02 Liquids	-	-	415,273	-	-	-	312,814	234,612	391,019
Common									
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	(0)	-	-	-	(0)	(0)	(0)
3221-000 - Electrical System Evaluation (2019)	-	-	(5,705)	-	-	-	(4,197)	(4,289)	(4,586)
3231-000 - Facility Improvements B - Common Upgrades Construction	-	-	(58,413)	-	-	-	(42,969)	(43,924)	(46,960)
32232C-000 - 2337 Administration Building Roof Reconstructio	-	-	(35)	-	-	-	(26)	(26)	(28)
Total PC 02 Common	-	-	(64,154)	-	-	-	(47,191)	(48,240)	(51,575)
Solids									
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	181,853	-	-	-	131,047	172,041	121,237
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	(337,021)	-	-	-	(242,914)	(318,788)	(224,681)
3222-000 - Centrate System Design (2019)	-	-	1,662	-	-	-	1,199	1,572	1,109
3224-000 - Digester No.4 Rehabilitation (2019)	-	-	94,864	-	-	-	68,371	89,736	63,243
3225-000 - Facility Improvements B - DAFT and Ancillary Solids Improvement	-	-	(145)	-	-	-	(105)	(137)	(97)
3234-000 - Centrate Piping Reconstruction (2021)	-	-	28,990	-	-	-	20,894	27,423	19,327
	-	-	(69)	-	-	-	(50)	(66)	(46)
	-	-	(35)	-	-	-	(25)	(33)	(23)
Total PC 02 Solids	-	-	(29,900)	-	-	-	(21,583)	(28,251)	(19,932)
Total PC2 JB Latham	-	-	321,219	-	-	-	244,039	158,121	319,512
									1,042,891

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q2 FY 2022-23

	Large Capital Cash Balance After Use Audit as of December 31, 2022									
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 05 San Juan Creek Ocean Outfall										
3603-000 Dilution Study (2016)	-	9,889	6,593	-	-	-	9,228	26,370	7,420	59,500
36221O-000 - Surge System Air Valve Replacement	-	6,492	4,328	-	-	-	6,060	17,313	4,871	39,064
Total PC5 San Juan Creek Ocean Outfall	-	16,381	10,921	-	-	-	15,288	43,683	12,291	98,564
PC 15 Coastal Treatment Plant										
Liquids										
3504-000 - Aeration System Modification Design (2015)	(259)	-	-	-	(20)	-	(200)	-	(204)	(684)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	(2,943)	-	-	-	(232)	-	(2,271)	-	(2,317)	(7,762)
3534-000 - Export Sludge System (1997)	(107,540)	-	-	-	(8,463)	-	(82,989)	-	(84,678)	(283,671)
3539-000 Facility Construction Improvements - Part II (2020)	(15,675)	-	-	-	(1,235)	-	(12,093)	-	(12,339)	(41,342)
3553-000 - Plant Drainage Improvements (2017)	88,781	-	-	-	6,997	-	68,505	-	69,906	234,189
3592-000 - Facility Improvements Project Design (2018)	791	-	-	-	135	-	559	-	615	2,099
3525-000 - Personnel Building reconstruction (2019)	60,990	-	-	-	4,802	-	47,063	-	48,023	160,877
3526-000 - Facility Improvements Project Construction - Part I (2019)	(32)	-	-	-	(2)	-	(24)	-	(25)	(84)
3527-000 - Vehicle Storage Building Roof (2019)	32,224	-	-	-	2,537	-	24,866	-	25,373	85,000
3528-000 - AWMA Road Sites West 1 and West 2 Embankment Protection	37,919	-	-	-	2,986	-	29,260	-	29,858	100,023
3529-000 - Aliso Creek Long Term Repair Planning	28,604	-	-	-	2,252	-	22,072	-	22,523	75,452
3541-000 - Export Sludge System Construction (2020)	318,418	-	-	-	25,072	-	245,708	-	250,723	839,921
35220L-000 - Fiber Installation to Alicia Parkway	13,303	-	-	-	1,047	-	10,265	-	10,475	35,090
35228L-000 - Aeration Blower System Upgrades	96,119	-	-	-	7,569	-	74,171	-	75,684	253,543
3522AL-000 - Drainage Pump Station	30,290	-	-	-	2,386	-	23,374	-	23,850	79,900
35229L-000 - Foul Air System	(275)	-	-	-	(22)	-	(212)	-	(216)	(725)
35238L-000 - Relocate influent flow meters	9,478	-	-	-	746	-	7,313	-	7,463	25,000
Total PC 15 Liquids	590,192	-	-	-	46,555	-	455,366	-	464,712	1,556,826
AWT										
3596-000 - Applied Water VFD Pump Panel and Electrical (AWT) (2018)	-	-	-	-	-	-	-	-	8,574	8,574
Total PC 15 AWT	-	-	-	-	-	-	-	-	8,574	8,574
Total PC 15 Coastal Treatment Plant	590,192	-	-	-	46,555	-	455,366	-	473,286	1,565,400

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q2 FY 2022-23

Large Capital Cash Balance After Use Audit as of December 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation										
Liquids/AWT										
3753-000 Aeration Diffuser Upgrade (2020)	-	-	-	-	-	-	210,207	-	-	210,207
3758-000 AWT No.2 Reconstruction (2020)	-	-	-	-	-	-	83,110	-	-	83,110
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	-	(1,673)	-	-	(1,673)
3759-000 AWT No.2 Electrical Upgrades (2020)	-	-	-	-	-	-	86,719	-	-	86,719
3774-000 - MCC A, C, G, H Replacement (Liquids) (2021)	-	-	-	-	-	-	(8,790)	-	-	(8,790)
Total PC 17 Liquids	-	-	-	-	-	-	369,572	-	-	369,572
Common										
3761-000 - External Lighting Upgrade	22,511	-	-	38,296	1,192	-	293,960	-	17,986	373,946
3764-000 - SCADA Improvements (2017)	726	-	-	2,762	45	-	23,535	-	575	27,642
3745-000 - West Slope Protection Evaluation (2019)	2,261	-	-	3,700	119	-	28,176	-	1,807	36,064
3746-000 - Motor Control Center A, G, H Design (2019)	2,512	-	-	4,111	133	-	31,310	-	2,007	40,073
3747-000 -Southside Plant Manhole Reconstruction (2019)	585	-	-	957	31	-	7,285	-	467	9,325
3748-000 - SE electrical Manhole reconstruction (2019)	410	-	-	670	22	-	5,106	-	327	6,535
37229C-000 - Laboratory Reconstruction	2,398	-	-	3,924	126	-	29,884	-	1,917	38,249
3779-000 - MCC A, C, G, H Replacement (Common) (2021)	(21)	-	-	(35)	(1)	-	(268)	-	(17)	(343)
Total PC 17 Common	31,381	-	-	54,385	1,665	-	418,988	-	25,069	531,490
Solids										
3790-000 - Solids Area Upgrade Design (2018)	(14,749)	-	-	(26,830)	(776)	-	(77,321)	-	(11,778)	(131,454)
3749-000 - Phase I Solids Piping Upgrade (2019)	42,896	-	-	78,029	2,256	-	224,876	-	34,255	382,311
3750-000 - Dewatering room Floor Sealing and Lighting (2019)	11,676	-	-	21,239	614	-	61,210	-	9,324	104,063
3754-000 - SET Piping Reconstruction (2019)	6,115	-	-	11,123	322	-	32,057	-	4,883	54,500
3771-000 - Miscellaneous Safety Improvements - Solids (2020)	8,718	-	-	15,859	459	-	45,704	-	6,962	77,702
3772-000 - Hot Water Piping Reconstruction (2020)	35,139	-	-	63,920	1,848	-	184,211	-	28,061	313,178
3773-000 - Co-Generation System Modifications (2020)	22,849	-	-	41,564	1,202	-	119,785	-	18,247	203,646
37201S - MCC A, C, G, H Replacement	(282)	-	-	(513)	(15)	-	(1,479)	-	(225)	(2,514)
Total PC 17 Solids	112,361	-	-	204,391	5,910	-	589,042	-	89,728	1,001,431
Total PC 17 Joint Regional Wastewater Reclamation										
	143,742	-	-	258,777	7,575	-	1,377,602	-	114,798	1,902,493

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q2 FY 2022-23

Large Capital Cash Balance After Use Audit as of December 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 21 Effluent Transmission Main										
Reach B/C/D										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	108,694	-	108,692	-	-	-	217,386
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	-	-	-	12,527	-	12,527	-	-	-	25,054
3107-000 - Air Valve Replacement Construction (D) (2021)	-	-	-	19,000	-	19,000	-	-	-	38,000
31221B-000 - Trail Bridge Crossing (D)	-	-	-	(364)	-	(364)	-	-	-	(728)
Total PC21 Reach B/C/D	-	-	-	139,857	-	139,855	-	-	-	279,712
Reach E										
3104-000 - Aliso Creek Long term Repair Planning (E) (2019)	-	-	-	39,266	-	39,266	-	-	-	78,533
3106-000 - Air Valve Replacement Design and Permitting (E) (2020)	-	-	-	16,941	-	16,941	38,857	-	-	72,740
3108-000 - Air Valve Replacement Construction (E) (2021)	-	-	-	13,980	-	13,980	32,065	-	-	60,025
Total PC21 Reach E	-	-	-	70,188	-	70,188	70,922	-	-	211,298
Total PC 21 Effluent Transmission Main	-	-	-	210,045	-	210,043	70,922	-	-	491,009
PC 24 Aliso Creek Ocean Outfall										
3401-000 - Emergency Plan Development (2016)	25	-	-	37	2	36	99	-	28	226
3407-000 - Internal Seal Replacement (2018)	(47)	-	-	(70)	(3)	(68)	(189)	-	(53)	(431)
3408-000 - Sampling System Repair (2020)	9,149	-	-	13,559	649	13,108	36,474	-	10,239	83,178
3480-000 - Internal Seal Replacement (2020)	12,461	-	-	18,465	884	17,853	49,675	-	13,945	113,283
Total PC 24 Aliso Creek Ocean Outfall	21,587	-	-	31,990	1,531	30,929	86,058	-	24,160	196,256
Total Large Capital Cash as of December 31, 2022	755,521	16,381	332,140	500,812	55,661	240,972	2,249,276	201,805	944,046	5,296,613

South Orange County Wastewater Authority
Total Non-Capital Cash Roll Forward Q2 FY 2022-23

PC 17 Joint Regional Wastewater Reclamation

Common

47224C-000 - Consequence of Failure Analysis

Total PC 17 Joint Regional Wastewater Reclamation

Total Non-Capital Cash as of December 31, 2023

Non-Capital Cash Balance After Use Audit as of December 31, 2022									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
3,360	-	-	5,497	177	-	41,861	-	2,686	53,582
3,360	-	-	5,497	177	-	41,861	-	2,686	53,582
3,360	-	-	5,497	177	-	41,861	-	2,686	53,582

South Orange County Wastewater Authority
Total Non Capital Miscellaneous Cash Roll Forward Q2 FY 2022-23

		PC 02 J B Latham
		Common
52221C-000	Arc Flash 5-Year Update	
		Total PC2 JB Latham
		PC 05 San Juan Creek Ocean Outfall
56221O-000	Outfall Port Cleaning	
		Total PC05 SJ Creek Outfall
		PC 24 Aliso Creek Ocean Outfall
54221O-000	Outfall Port Cleaning	
		Total PC 24 Aliso Creek Outfall
		Total Non-Capital Miscellaneous Cash

Non-Capital Miscellaneous Cash Balance After Use Audit FY 2021-22 as of December 31, 2022									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
-	-	(3,525)	-	-	-	(2,593)	(2,650)	(2,833)	(11,600)
-	-	(3,525)	-	-	-	(2,593)	(2,650)	(2,833)	(11,600)
-	7,479	4,986	-	-	-	6,980	19,944	5,612	45,000
-	7,479	4,986	-	-	-	6,980	19,944	5,612	45,000
4,950	-	-	7,335	351	7,092	19,733	-	5,540	45,000
4,950	-	-	7,335	351	7,092	19,733	-	5,540	45,000
4,950	7,479	1,461	7,335	351	7,092	24,119	17,294	8,318	78,400

**South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q2 FY 2022-23**

		Small Capital Cash Balance After the Use Audit as of December 31, 2022									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham											
Liquids											
2222-004	Pump Overhauls	-	-	(2,328)	-	-	-	(1,746)	(1,309)	(2,182)	(7,565)
2222-010	Spare Potable Water Pumps	-	-	(4,128)	-	-	-	(3,096)	(2,322)	(3,870)	(13,417)
2222-025	9 side grit conveyor	-	-	(14,395)	-	-	-	(10,796)	(8,097)	(13,496)	(46,785)
2223-001	2 ISCO Samplers (between 3 PC's)	-	-	1,076	-	-	-	808	606	1,010	3,500
2223-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	4,462	-	-	-	3,346	2,510	4,182	14,500
2223-003	Pump Overhauls	-	-	1,625	-	-	-	1,219	914	1,522	5,280
2223-004	Replacement Liquids Side Bleach Tank	-	-	3,846	-	-	-	2,884	2,164	3,606	12,500
2223-005	Gate Replacements	-	-	2,308	-	-	-	1,730	1,298	2,164	7,500
2223-006	Roll up Door Replacement	-	-	4,462	-	-	-	3,346	2,510	4,182	14,500
2223-007	Building Doors	-	-	3,076	-	-	-	2,308	1,730	2,884	9,998
2223-008	Vulcan washpress 4-side	-	-	6,154	-	-	-	4,616	3,462	5,770	20,002
2223-009	Spare Pump	-	-	2,308	-	-	-	1,730	1,298	2,164	7,500
Total Liquids		-	-	8,466	-	-	-	6,349	4,763	7,936	27,514
Common											
2222-015	PA System (between 3 PC's)	-	-	(16,106)	-	-	-	(11,847)	(12,109)	(12,946)	(53,008)
2223-010	Safety Equipment	-	-	3,038	-	-	-	2,234	2,284	2,442	9,998
2223-011	Site Security and Access Upgrades 2022 (between 3 PC's)	-	-	7,596	-	-	-	5,590	5,710	6,106	25,002
2223-012	JBL HP SCADA Server Switch 2022	-	-	2,278	-	-	-	1,676	1,714	1,832	7,500
2223-013	PA System (between 3 PC's)	-	-	11,396	-	-	-	8,380	8,566	9,158	37,500
2223-014	Remove and Replace Asphalt 9-Side Headworks Area	-	-	7,596	-	-	-	5,588	5,710	6,106	25,000
2223-015	Replacement Backup Repository Server (between 3 PC's)	-	-	2,278	-	-	-	1,676	1,714	1,832	7,500
2223-016	Utility Vehicle (between 3 PC's)	-	-	3,798	-	-	-	2,794	2,856	3,052	12,500
2223-017	Electric Charging Station	-	-	6,836	-	-	-	5,028	5,140	5,496	22,500
2223-025	Tank Chain JBL	-	-	(8,660)	-	-	-	(6,370)	(6,511)	(6,961)	(28,503)
Total PC 2 Common		-	-	20,049	-	-	-	14,749	15,075	16,117	65,990
Solids											
2222-020	Replacement Flame Arresters	-	-	(2,211)	-	-	-	(1,593)	(2,091)	(1,474)	(7,369)
2222-023	JBL Digester 1 and 2 Manway Access Improvements	-	-	(34,236)	-	-	-	(24,675)	(32,386)	(22,824)	(114,121)
2222-024	Digester flame arrestors and vacuum vents	-	-	(6,884)	-	-	-	(4,961)	(6,512)	(4,589)	(22,946)
2223-018	Buildings Door Replacements 2022	-	-	3,000	-	-	-	2,162	2,838	2,000	10,000
2223-019	Pump Overhauls	-	-	3,000	-	-	-	2,162	2,838	2,000	10,000
2223-020	Replacement Valves	-	-	4,500	-	-	-	3,244	4,256	3,000	15,000
2223-021	Conveyor Overhaul	-	-	3,750	-	-	-	2,702	3,548	2,500	12,500
2223-022	Foul Air Connection to Centrate Line	-	-	1,500	-	-	-	1,082	1,418	1,000	5,000
2223-023	Centrifuge Rebuild	-	-	2,359	-	-	-	1,700	2,231	1,572	7,862
2223-024	PLC Replacement	-	-	3,000	-	-	-	2,162	2,838	2,000	10,000
Total PC 2 Solids		-	-	(22,222)	-	-	-	(16,015)	(21,021)	(14,815)	(74,074)
Total PC2 JB Latham		-	-	6,293	-	-	-	5,082	(1,184)	9,238	19,430

**South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q2 FY 2022-23**

		PC 05 San Juan Creek Ocean Outfall									
2622-001	BioRad ddPCR QX200	-	(1,635)	(1,090)	-	-	-	(1,526)	(4,360)	(1,227)	(9,837)
2623-001	ECO CDOM - RT Base Model	-	(524)	(350)	-	-	-	(489)	(1,398)	(393)	(3,154)
Total PC5 San Juan Creek Ocean Outfall		-	(2,159)	(1,439)	-	-	-	(2,015)	(5,758)	(1,620)	(12,992)
PC 15 Coastal Treatment Plant											
Liquids											
2522-042	Gardner Denver 7M Air Blower	(3,675)	-	-	-	(289)	-	(2,835)	-	(2,893)	(9,693)
2522-048	CTP Building 10 Concrete Removal and Floor Patch Back	(1,986)	-	-	-	(156)	-	(1,532)	-	(1,564)	(5,238)
2223-001	2 ISCO Samplers (between 3 PC's)	1,326	-	-	-	104	-	1,024	-	1,044	3,498
2223-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	3,792	-	-	-	298	-	2,926	-	2,986	10,002
2523-003	Pump/Blower Overhauls	6,634	-	-	-	522	-	5,120	-	5,224	17,500
2523-004	Pump Control Rehabilitations	7,582	-	-	-	598	-	5,850	-	5,970	20,000
2523-005	Building Lighting Improvements	1,896	-	-	-	150	-	1,462	-	1,492	5,000
2523-006	Spare Pumps	6,632	-	-	-	522	-	5,120	-	5,224	17,498
2523-007	Liquids Buildings Door Replacements	3,792	-	-	-	298	-	2,926	-	2,986	10,002
2523-008	Gallery Area Floor Rehabilitations	11,374	-	-	-	896	-	8,776	-	8,956	30,002
2523-009	Building #13 Roof Replacement	5,686	-	-	-	448	-	4,388	-	4,476	14,998
2523-010	Potable Water Station Rehabilitation	7,582	-	-	-	598	-	5,850	-	5,968	19,998
2523-011	Headworks Driveway Replacement	3,792	-	-	-	298	-	2,926	-	2,986	10,002
Total PC 15 Liquids		54,428	-	-	-	4,286	-	42,000	-	42,855	143,569
Common											
2523-012	Safety Equipment	1,896	-	-	-	150	-	1,462	-	1,492	5,000
2523-013	Landscape Renovations 2022	6,824	-	-	-	538	-	5,266	-	5,374	18,002
2223-011	Site Security and Access Upgrades 2022 (between 3 PC's)	8,530	-	-	-	672	-	6,582	-	6,716	22,500
2523-015	Replacement Doors	4,168	-	-	-	328	-	3,218	-	3,284	10,998
2523-016	CTP PLC Hardware Upgrades and Replacements 2022	2,842	-	-	-	224	-	2,194	-	2,238	7,498
2523-017	CTP HP SCADA Server Switch 2022	2,842	-	-	-	224	-	2,194	-	2,238	7,498
2523-018	CTP OIT Replacements 2022	1,896	-	-	-	150	-	1,462	-	1,492	5,000
2223-013	PA System (between 3 PC's)	11,374	-	-	-	894	-	8,776	-	8,958	30,002
2223-015	Replacement Backup Repository Server (between 3 PC's)	(13,610)	-	-	-	(1,072)	-	(10,503)	-	(10,718)	(35,903)
2223-016	Utility Vehicle (between 3 PC's)	3,792	-	-	-	298	-	2,926	-	2,986	10,002
2523-022	Electric Charging Station	8,530	-	-	-	672	-	6,582	-	6,716	22,500
Total PC 15 Common		39,084	-	-	-	3,078	-	30,159	-	30,776	103,097
AWT											
2523-023	Replacement Pumps	-	-	-	-	-	-	-	-	10,000	10,000
2523-024	Replacement Turbidity Meter	-	-	-	-	-	-	-	-	5,000	5,000
Total PC 15 AWT		-	-	-	-	-	-	-	-	15,000	15,000
Total PC 15 Coastal Treatment Plant		93,511	-	-	-	7,365	-	72,159	-	88,631	261,666

South Orange County Wastewater Authority Small Capital Cash Roll Forward Q2 FY 2022-23

Small Capital Cash Balance After the Use Audit as of December 31, 2022									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation									
Liquids									
2722-052	Spare RAS Bleach Pump	-	-	-	-	(16,155)	-	-	(16,155)
2722-074	Ferric Tank Level Indicator and Transmitter	-	-	-	-	(3,369)	-	-	(3,369)
2723-001	Safety Equipment	-	-	-	-	3,500	-	-	3,500
2223-001	Site Security and Access Upgrades 2022 (between 3 PC's)	-	-	-	-	10,000	-	-	10,000
2723-003	Spare Grit Pump	-	-	-	-	20,000	-	-	20,000
2723-004	Primary Pump Overhaul/Replacements	-	-	-	-	17,652	-	-	17,652
2723-005	Interstage Pump Overhaul	-	-	-	-	25,000	-	-	25,000
2723-006	Replacement Valves	-	-	-	-	7,500	-	-	7,500
2723-007	RAS Pump Overhaul/Replacement	-	-	-	-	7,500	-	-	7,500
2723-008	Storm Water Pump Station Overhaul/Replacement	-	-	-	-	7,500	-	-	7,500
2723-009	Headworks Area Building Doors	-	-	-	-	10,000	-	-	10,000
2723-010	Primary Area Building Doors	-	-	-	-	7,500	-	-	7,500
2723-025	RTP 3WHP Strainer	-	-	-	-	(35,676)	-	-	(35,676)
2723-028	Primary Tank Rehabilitation	-	-	-	-	(13,410)	-	-	(13,410)
Total PC 17 Liquids		-	-	-	-	47,543	-	-	47,543
Common									
2222-015	PA System (between 3 PC's)	(310)	-	(507)	(16)	(3,864)	-	(248)	(4,945)
2723-011	Safety Equipment	314	-	514	16	3,906	-	250	5,000
2723-012	Access Road Repaving	628	-	1,026	34	7,812	-	502	10,002
2723-013	Landscape Renovations 2022	628	-	1,026	34	7,812	-	502	10,002
2223-011	Site Security and Access Upgrades 2022 (between 3 PC's)	2,192	-	3,590	116	27,346	-	1,752	34,996
2723-015	Replacement forklift	1,568	-	2,566	82	19,532	-	1,252	25,000
2223-016	Utility Vehicle (between 3 PC's)	628	-	1,026	34	7,812	-	502	10,002
2723-017	Electric Charging Station	1,410	-	2,308	74	17,580	-	1,128	22,500
2223-013	PA System (between 3 PC's)	2,132	-	3,488	110	26,564	-	1,704	33,998
Total PC 17 Common		9,190	-	15,037	484	114,500	-	7,344	146,555
Solids									
2722-064	Replacement Digester Sludge Pump	(6,039)	-	(10,985)	(318)	(31,658)	-	(4,822)	(53,821)
2723-019	Solids Area Buildings Replacement Doors	2,356	-	4,286	122	12,352	-	1,882	20,998
2723-020	Replacement Centrifuge Feed Pumps	2,244	-	4,082	118	11,764	-	1,792	20,000
2723-021	Spare Centrifuge Cyclo Drive	1,122	-	2,042	60	5,882	-	896	10,002
2723-022	Replacement Condensate Trap	2,244	-	4,082	118	11,764	-	1,792	20,000
2723-023	ORT Fan Replacement/Overhaul	1,010	-	1,836	54	5,294	-	806	9,000
2723-027	Spare REDEX for Centrifuge	(765)	-	(1,391)	(40)	(4,009)	-	(611)	(6,815)
2723-029	RTP Building 65 HVAC Replacement	(1,594)	-	(2,900)	(84)	(8,358)	-	(1,273)	(14,210)
Total PC 17 Solids		578	-	1,052	30	3,031	-	462	5,154
AWT									
2723-024	Spare Pulsafeeder Pump	-	-	-	-	10,000	-	-	10,000
2723-030	Two AWT Programmable Logic Controllers (PLC)	-	-	-	-	(842)	-	-	(842)
Total PC 17 AWT		-	-	-	-	9,158	-	-	9,158
Total PC 17 Joint Regional Wastewater Reclamation		9,768	-	16,088	514	174,233	-	7,806	208,409

South Orange County Wastewater Authority Small Capital Cash Roll Forward Q2 FY 2022-23

2622-001 PC 24 Aliso Creek Ocean Outfall
 BioRad ddPCR QX200
 2623-001 ECO CDOM - RT Base Model
 Total PC 24 Aliso Creek Ocean Outfall

 Total Small Capital Cash as of December 31, 2022

Small Capital Cash Balance After the Use Audit as of December 31, 2022									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
(1,082)	-	-	(1,603)	(77)	(1,550)	(4,314)	-	(1,211)	(9,837)
(347)	-	-	(514)	(25)	(497)	(1,383)	-	(388)	(3,154)
(1,429)	-	-	(2,118)	(101)	(2,047)	(5,697)	-	(1,599)	(12,992)
101,851	(2,159)	4,854	13,971	7,777	(2,047)	243,762	(6,942)	102,456	463,522

Agenda Item

5.F.

Board of Directors Meeting

Meeting Date: April 6, 2023

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

Summary/Discussion

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

1. Monthly Operational Report

An eight (8) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA for billing the agencies. Other items include important statistics for regulatory compliance, visits by the public to the treatment works, and other vendor interactions. The information is broken down by facility and by member agency.

2. SOCWA Ocean Outfall Discharges by Agency

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

3. Beach Ocean Monitoring Report

4. Recycled Water Report

5. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report February, 2023

Excursion, Complaint, and Violation Events

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

(1) Noise complaint associated with testing the new emergency PA system.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.57	7.69	6.33	1.01	17.60
Effluent (mgd)	2.42	4.81	6.33	2.59	16.14
Peak Flow (mgd)	8.49	22.86	13.95	9.34	54.64
Influent BOD (mg/l)	305	315	290	463	
Influent TSS (mg/l)	334	344	395	505	
Effluent BOD (mg/l)	5.7	6.6	9.4	10.6	
Effluent TSS (mg/l)	5.1	8.4	9.0	9.4	
Effluent Turbidity (NTU)	2.4	3.7	5.4	4.3	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.55	2.88		3.43
Days of Operation (days)	27	28		
Total Flow (million gallons)	15.5	80.6		96.1
Plant Irrigation (million gallons)	0.01	0.03	0.23	
AWT Time Online (%)	100.0			

Wastewater Unit Definitions

mgd = million gallons per day

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

NTU = Nephelometric Turbidity Units

SOCWA Operational Report February, 2023 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		631.4	0.0	631.4
Nursery Products (tons)		251.6	498.4	750.0
Prima Deshecha (tons)		176.5	18.0	194.5
Other: Liberty Farms (tons)		0.0	20.9	20.9
Total Processed (tons)		1,059.5	537.3	1,596.8

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	143	215	229	587
Corrective Maintenance	12	43	48	103

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	0	1	5	6
Residents	0	0	0	0
Others	10	10	20	40
Tours #/Visitors	0	0	1	1

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	8.0	25.5	60.7	94.3

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	27.0	NA	27.0
Utility Power Purchase (kWh)	182,606	43,747	319,153	545,506
Cogen Power (kWh)		490,604	318,442	809,046
Natural Gas (Dth)	54	1,530	1,237	2,821
Digester Gas to Engine (scfm)		7,678,667	4,775,530	12,454,197
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		1,028,790	342,741	1,371,531
Digester Gas Power Savings		\$ 73,520		

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 February, 2023 (cont'd)

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

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.452	54.06%				1.45
EBSD	0.059	2.19%				0.06
SCWD	1.175	43.75%				2.89
MNWD	0.000	0.00%	7.69	1.400	19.08%	9.09
CSJC				2.137	29.12%	2.14
SMWD				2.083	28.39%	2.08
Total	2.685	100.00%	7.69	7.337	100.00%	17.71

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.45	9.55%	1.45	
EBSD				0.06	0.39%	0.06	
SCWD				1.97	15.66%	0.80	5.24%
MNWD	3.02	24.06%		4.81	31.66%	7.83	
ETWD				3.29	21.65%	3.29	Direct Outfall Only
CSJC	2.14	17.01%				2.14	Incudes Desalter
SMWD	2.16	17.18%	2.16			Includes Chiquita	
CSC	3.28	26.09%	3.28			Direct Outfall Only	
IRWD				4.79	31.51%	4.79	Direct Outfall Only
Total	12.56	100.00%	37.14	15.20	100.00%	27.76	

SOCWA Operational Report February, 2023 (cont'd)

FY Flow/Solids Summary-Billing

Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSJC	4.00	30.77%	2.210	26.25%	2.137	29.12%	2.15	29.11%
MNWD	3.00	23.08%	1.400	16.63%	1.400	19.08%	1.40	18.93%
SCWD	3.75	28.85%	1.610	19.12%	1.718	23.41%	1.68	22.67%
SMWD	2.25	17.31%	3.200	38.00%	2.083	28.39%	2.17	29.29%
Total	13.00	100.00%	8.420	100.00%	7.337	100.00%	7.39	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,884	22.54%	5,456	22.22%	6,439	23.80%
MNWD	8,340	21.62%	6,169	23.63%	4,381	17.84%	6,074	22.46%
SCWD	7,715	20.00%	5,584	21.39%	8,199	33.39%	5,786	21.39%
SMWD	10,946	28.38%	8,473	32.45%	6,517	26.54%	8,749	32.35%
Total	38,573	100.00%	26,110	100.00%	24,553	100.00%	27,048	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	3.278	26.09%	2.570	23.29%
CSJC	11.08%	8.860	11.08%	2.137	17.01%	2.385	21.62%
MNWD(3)	15.51%	12.410	15.51%	3.023	24.06%	2.026	18.36%
SCWD	12.46%	9.970	12.46%	1.968	15.66%	1.859	16.85%
SMWD	44.32%	35.460	44.33%	2.158	17.18%	2.193	19.88%
Total	100.00%	80.000	100.00%	12.564	100.00%	11.034	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 is 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 3A is reported as part of MNWD's flow to the ocean outfall.

SOCWA Operational Report February, 2023 (cont'd)

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

Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.496	55.22%	1.452	54.06%	1.436	53.36%
EBS	0.20	2.99%	0.060	2.21%	0.059	2.19%	0.059	2.18%
SCWD	2.00	29.85%	1.153	42.56%	1.175	43.75%	1.196	44.46%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.709	100.00%	2.685	100.00%	2.691	100.00%

Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.00716	0.0942%	0.0000	0.0122	0.0122	0.1570%	0.0129	0.1707%
EBS	0.00001	0.0001%	0.0000	0.0005	0.0005	0.0064%	0.0005	0.0070%
SCWD	0.00427	0.0562%	0.0000	0.0099	0.0099	0.1270%	0.0108	0.1427%
ETWD	0.01562	0.2055%	0.0000	0.0179	0.0179	0.2292%	0.0173	0.2286%
MNWD	7.57236	99.6439%	7.6904	0.0681	7.7584	99.4805%	7.5083	99.4509%
Total	7.59942	100.0000%	7.6904	0.1086	7.7990	100.0000%	7.5497	100.0000%

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

SOCWA Operational Report February, 2023 (cont'd)

FY Flow/Solids Summary (cont'd)

Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	4,406	11.89%	99,394	11.27%	127,323	11.97%
EBSD	295	0.59%	177	0.48%	4,030	0.46%	5,235	0.49%
SCWD	4,480	8.96%	3,392	9.16%	80,432	9.12%	106,663	10.03%
ETWD	10,200	20.41%	5,305	14.32%	145,120	16.46%	169,101	15.90%
MNWD	29,395	58.82%	23,769	64.16%	552,875	62.69%	655,340	61.61%
Total	49,975	100.00%	37,049	100.00%	881,851	100.00%	1,063,663	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%	1.452	9.55%	1.436	13.45%
EBSD	0.78%	0.390	0.78%	0.059	0.39%	0.059	0.55%
ETWD	16.30%	8.151	16.30%	3.291	21.65%	2.403	22.51%
IRWD	15.76%	7.880	15.76%	4.788	31.51%	2.757	25.83%
MNWD	43.85%	21.924	43.85%	4.812	31.66%	3.380	31.66%
SCWD	12.31%	6.155	12.31%	0.796	5.24%	0.641	6.00%
Total	100.00%	50.000	100.00%	15.197	100.00%	10.675	100.00%

SOCWA Operational Report February 2023 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Replaced failed and cracked Centrifuge #3 drain pan.
Repaired leaking Building #40 Air Line.
Repaired Digester #2 gas mixing system, which was offline for several months during a construction project.
Repaired leaking potable water pipeline near Building #70.
Repaired several leaking roof vents around the Plant.
Cleaned plugged drains during storms.
Repaired leaking process water pipeline near Building #20.
Replaced failing and corroded scum pit decant discharge piping.
Replaced failed bleach discharge piping from Bleach Pump #3.
Replaced failed bleach discharge back pressure valves for Bleach Pump #1 and #2.

CTP - PC15

Cleared the access roads from debris in burn scar areas after each storm.
Worked with OC Parks to address debris flowing onto the access road during rain events.
Continued working with SCE to restore permanent power to the treatment plant.
Troubleshooted the RAS pumping system, which was clogged with rags after the storms.
Replaced failed heat loop pressure regulator for the blower system.
Replaced worn and failing Sludge Eq Tank Recirculation Pump #3.

RTP - PC17

Cleared the access roads and drains of debris after each storm.
Troubleshooted Centrifuge #1, which had become clogged with debris following a storm.
Troubleshooted the Headworks Grit Conveyor that had become plugged and inoperable during a winter storm.

Support Services - ALL PC'S

Troubleshooted the RSP #5 ultrasonic level controller that failed during a storm event at JBL.
Troubleshooted the Effluent Station bubbler level indicator that failed during a storm event at JBL.
Replaced a failed radiator bearing on the Cogen Engine at JBL.
Replaced several failing monitoring instruments on the Cogen Engine at JBL.
Repaired failed and leaking hot water loop piping in Building #40 at JBL.
Troubleshooted the heat loop control system to eliminate temperatures from fluctuating from 120 F to 170 F at JBL.
Troubleshooted tripping Plant Sump Pump breaker at JBL.
Replaced worn West #2 B Pass DO probe at CTP.
Repaired failed East Grit Auger breaker system at CTP.
Replaced rain-damaged and failed OIT for Sludge Export Pump #1 at CTP.

SOCWA Operational Report February, 2023 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Troubleshoot ground fault impacting all the AWT Mixer Pumps at CTP.
Supported SCE in performing their required maintenance on the SCE generator at CTP.
Troubleshoot RTP SCADA not calling out alarms from Bldg #65.
Troubleshoot RTP SCADA AWT PLC not calling out alarms from Bldg #80.
Troubleshoot rain damage and failing solenoid valve for the waste gas burner at RTP.
Removed failing Compressor #1 for repairs by Maintenance at RTP.
Replaced failing SCR sensors on the Cogen system at RTP.
Troubleshoot failing mix pumps #1, #2, and #3 at RTP.
Replaced failed hour meter for the DAFT #2 and #3 drives damaged by the rains at RTP.

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

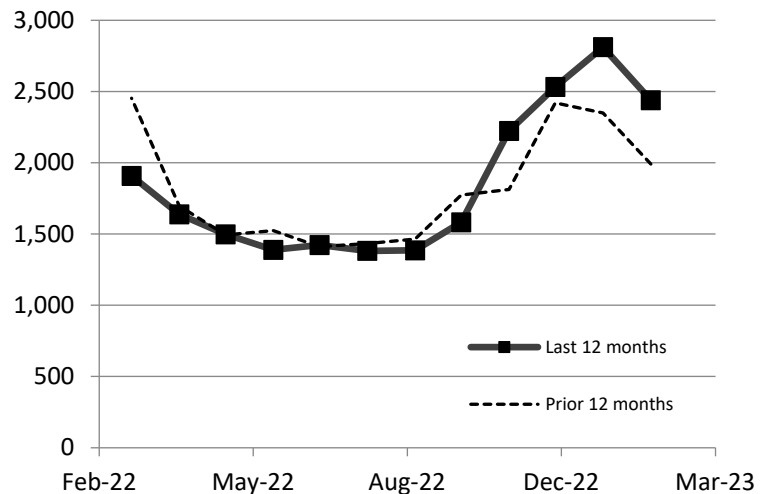
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report February, 2023 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.45	9.55%	1.45
EBSD			0.06	0.39%	0.06
SCWD	1.97	15.66%	0.80	5.24%	2.76
MNWD	3.02	24.06%	4.81	31.66%	7.83
ETWD			3.29	21.65%	3.29
CSJC	2.14	17.01%			2.14
SMWD	2.16	17.18%			2.16
CSC	3.28	26.09%			3.28
IRWD			4.79	31.51%	4.79
Total	12.56	100.00%	15.20	100.00%	27.76
or Acre-Feet per year equivalent					31,092

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

Feb-23	2,440
Jan-23	2,812
Dec-22	2,532
Nov-22	2,224
Oct-22	1,582
Sep-22	1,386
Aug-22	1,382
Jul-22	1,422
Jun-22	1,389
May-22	1,498
Apr-22	1,638
Mar-22	1,907
Total	22,213



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

February 2023

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	FLOW MGD	FLOW MGD	FLOW MGD	Fall inches
02/01/23	3.433	10.0	14.0	<0.3	3.650	21.7	10.2	<0.1	5.800	7.0	7.0	0.2	2.707	5.0	3.0	<0.1	0.403	0.525	0.020	16.538	0.00
02/02/23	3.502	13.0	11.0	<0.3	3.621	20.4	9.7	<0.1	5.27	4.8	4.0	0.2	2.642	3.6	5.0	0.1	0.629	0.531	0.120	16.315	0.00
02/03/23	3.379	13.0	12.0	<0.3	2.813	4.7	3.3	<0.1	4.820	7.0	10.0	0.2	2.625	1.0	5.0	<0.1	0.775	0.556	0.130	15.098	0.00
02/04/23	3.361	12.0		<0.3	3.635	50.5	14.5	<0.1	5.450	6.6	14.0		2.656	4.3	4.0		0.775	0.548	0.130	16.555	0.00
02/05/23	3.437	10.0	12.0	<0.3	2.757	25.0	14.7	0.1	5.290	7.8		0.1	2.725	5.8	8.0	<0.1	0.775	0.546	0.010	15.540	0.00
02/06/23	3.315	8.0	16.0	<0.3	3.734	21.0		0.1	5.020	7.8	5.0	0.2	2.667	4.0	4.0	<0.1	0.776	0.547	0.010	16.069	0.00
02/07/23	3.375	11.0	13.0	<0.3	3.629	17.0	8.6	<0.1	4.770	10.8	5.0	0.2	2.608	5.4	4.0	<0.1	0.775	0.564	0.120	15.841	0.00
02/08/23	3.499	6.9	11.0	<0.3	2.896	16.5	8.7	<0.1	5.490	9.6	7.0	0.3	1.334	9.2	21.0	<0.1	0.775	0.564	0.160	14.718	0.00
02/09/23	3.562	8.6	11.0	<0.3	1.616	16.0	10.1	<0.1	4.230	10.0	4.0	0.2	2.315	4.4	3.0	<0.1	0.775	0.551	0.090	13.139	0.00
02/10/23	3.597	7.7	9.5	<0.3	3.530	17.0	9.0	<0.1	3.620	9.2	5.0	0.2	2.306	4.6	4.0	<0.1	0.775	0.552	0.110	14.490	0.00
02/11/23	3.587	9.2		<0.3	3.249	22.5	12.4	<0.1	4.440	7.2	7.0		2.039	1.3	3.0		0.776	0.543	0.140	14.774	0.00
02/12/23	3.602	12.0	14.0	<0.3	2.688	23.7	12.6	<0.1	4.820	6.6	10.0	0.2	2.056	6.2	5.0	<0.1	0.775	0.539	0.110	14.590	0.00
02/13/23	3.605	12.0	13.0	<0.3	3.373	25.3		0.1	4.340	8.2	4.0	0.2	2.391	1.6	2.0	<0.1	0.775	0.537	0.140	15.161	0.00
02/14/23	3.488	11.0		<0.3	0.988	21.7	11.4	0.1	3.420	9.2	4.0	0.1	1.944	4.2	4.0	<0.1	0.451	0.602	0.130	11.023	0.00
02/15/23	3.439	12.0	23.0	<0.3	3.365	14.5	7.7	<0.1	3.720	6.2	4.0	1.1	2.344	5.2	5.0	<0.1	0.388	0.602	0.130	13.988	0.00
02/16/23	3.180	13.0	13.0	<0.3	1.956	18.5	10.3	<0.1	4.000	7.4	11.0	0.2	1.584	15.6	4.0	<0.1	0.615	0.593	0.150	12.078	0.00
02/17/23	3.168	13.0	13.0	<0.3	3.566	19.5	10.5	<0.1	3.720	8.8	9.0	0.2	1.516	6.0	4.0	<0.1	0.787	0.586	0.130	13.473	0.00
02/18/23	3.170	13.0	12.0	<0.3	2.758	26.5	12.7	<0.1	3.200	6.2	7.0		2.177	4.2	17.0		0.788	0.585	0.130	12.808	0.00
02/19/23	3.169	16.0	12.0	<0.3	3.341	20.3	10.6	<0.1	3.940	6.0	6.0	0.1	2.161	5.6	6.0	<0.1	0.753	0.584	0.130	14.078	0.00
02/20/23	3.172	18.0	14.0	<0.3	2.928	17.7		<0.1	3.050	5.6	5.0	0.2	2.102	5.6	10.0	<0.1	0.788	0.583	0.000	12.623	0.00
02/21/23	3.181	20.0	13.0	<0.3	3.733	11.0	5.3	<0.1	3.300	7.2	5.0	0.1	1.833	10.0	6.0	<0.1	0.787	0.583	0.270	13.687	0.02
02/22/23	3.726	23.0	10.0	<0.3	3.262	25.3	10.4	<0.1	3.520	8.0	3.0	1.0	2.053	7.6	6.0	<0.1	0.788	0.592	0.120	14.061	0.00
02/23/23	3.352	20.0	10.0	<0.3	3.445	14.3	8.0	<0.1	4.450			0.2	2.037	4.6	5.0	<0.1	0.787	0.582	0.150	14.803	0.20
02/24/23	3.640	17.0	10.0	<0.3	3.938	20.0	8.9	0.3	5.410	10.0	6.0	0.3	2.102	6.8	5.0	0.1	0.788	0.597	0.140	16.615	0.34
02/25/23	3.516	17.0		<0.3	4.902	23.0	9.1	0.3	6.430	13.6	9.0		2.349	7.6	4.0		0.787	0.583	0.140	18.707	2.22
02/26/23	3.535	14.0	9.3	<0.3	5.376	22.0	7.8	0.1	9.080	14.6	8.0	0.1	3.814	0.6	5.0	<0.1	0.787	0.509	0.120	23.221	0.07
02/27/23	4.737	24.0	14.0	<0.3	3.943	15.3		0.1	7.490	9.0	6.0	0.9	2.633	1.8	3.0	<0.1	0.787	0.506	0.140	20.236	0.17
02/28/23	4.226	12.0	12.0	<0.3	3.443	17.3	7.6	0.1	6.640	11.4	6.0	<0.1	2.869	1.5	4.0	0.1	0.788	0.502	0.000	18.468	0.28
AVG	3.498	13.4	12.6	<0.3	3.291	20.3	9.8	<0.1	4.812	8.4	6.6	<0.3	2.307	5.1	5.7	<0.1	0.730	0.560	0.113	15.311	
TOTAL	97.95				92.14				134.73				64.59				20.43	15.69	3.170	428.70	3.30

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2023

REPORT DUE: April 1 2023

SAMPLE SOURCE: Surf zone

TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLES COLLECTED BY: SOCWA Lab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 0556

Weather: Clear

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	02/01/23	0805	<10	<10	2	None	None	None	None	Green		Clear		
S4	02/01/23	1035	10	<10	2	None	None	None	None	Green		Clear		
S5	02/01/23	1020	10	<10	<2	None	None	None	None	Green		Clear		
S6	02/01/23	1005	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/01/23	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S7	02/01/23	0955	<10	<10	<2	None	None	None	None	Green		Clear		
S8	02/01/23	0950	10	10	2	None	None	None	None	Blue		Clear		
S9	02/01/23	0935	150	10	8	None	None	None	None	Green		Clear		
ACM1	02/01/23	0920	480	10	8	None	None	None	None	Brown		Slightly Turbid	Flowing	
S10	02/01/23	0855	40	<10	2	None	None	None	None	Green		Clear		
S11	02/01/23	0845	30	<10	10	None	None	None	None	Green		Clear		
S12	02/01/23	0835	30	20	8	None	None	None	None	Green	56	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: February 2023
 REPORT DUE: April 1, 2023
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 0958

Weather: Clear

COMMENTS: Duplicate at S-5

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	02/08/23	0834	<10	<10	<2	None	None	None	None	Green	55	Clear	Flowing	
S4	02/08/23	1047	<10	<10	<2	None	None	None	None	Green		Clear		
S5	02/08/23	1022	<10	<10	<2	None	None	None	None	Green		Clear		
S6	02/08/23	1000	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/08/23	0957	<10	<10	<2	None	None	None	None	Green		Clear		
S7	02/08/23	0951	<10	<10	<2	None	None	None	None	Green		Clear		
S8	02/08/23	0941	<10	<10	<2	None	None	None	None	Green		Clear		
S9	02/08/23	0937	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	02/08/23	0929	20	<10	<2	None	None	None	None	Green		Clear		
S10	02/08/23	0908	<10	<10	<2	None	None	None	None	Green		Clear		
S11	02/08/23	0902	10	10	4	None	None	None	None	Green		Clear		
S12	02/08/23	0856	<10	<10	<2	None	None	None	None	Green		Clear		

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

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

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

Tidal Condition: Low Tide 1204

Weather: Clear

COMMENTS:

0.0

STA#	DATE	TIME	Total	Fecal	Entero-										
			Coliform	Coliform	coccus	Material of Sewage						Water	H2O	Water	Water
			CFU/100ml	CFU/100ml	CFU/100ml	Origin	Oil &	Odor	Color	Temp(F)	Condition				
SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease										
S3	02/15/23	0810	<10	<10	10	None	None	None	None	Green	54	Clear	Flowing		
S4	02/15/23	1100	10	<10	<2	None	None	None	None	Green		Clear			
S5	02/15/23	1045	10	<10	2	None	None	None	None	Green		Clear			
S6	02/15/23	1030	20	10	<2	None	None	None	None	Green		Clear			
WEST	02/15/23	1025	10	<10	4	None	None	None	None	Green		Clear			
S7	02/15/23	1020	30	20	<2	None	None	None	None	Green		Clear			
S8	02/15/23	1005	80	10	<2	None	None	None	None	Green		Clear			
S9	02/15/23	0945	20	<10	2	None	None	None	None	Green		Clear			
ACM1	02/15/23	0940	70	20	<2	None	None	None	None	Green		Slightly Turbid			
S10	02/15/23	0910	20	10	<2	None	None	None	None	Green		Clear			
S11	02/15/23	0900	320	<10	<2	None	None	None	None	Green		Clear			
S12	02/15/23	0845	20	<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: February 2023
 REPORT DUE: April 1, 2023
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 1103

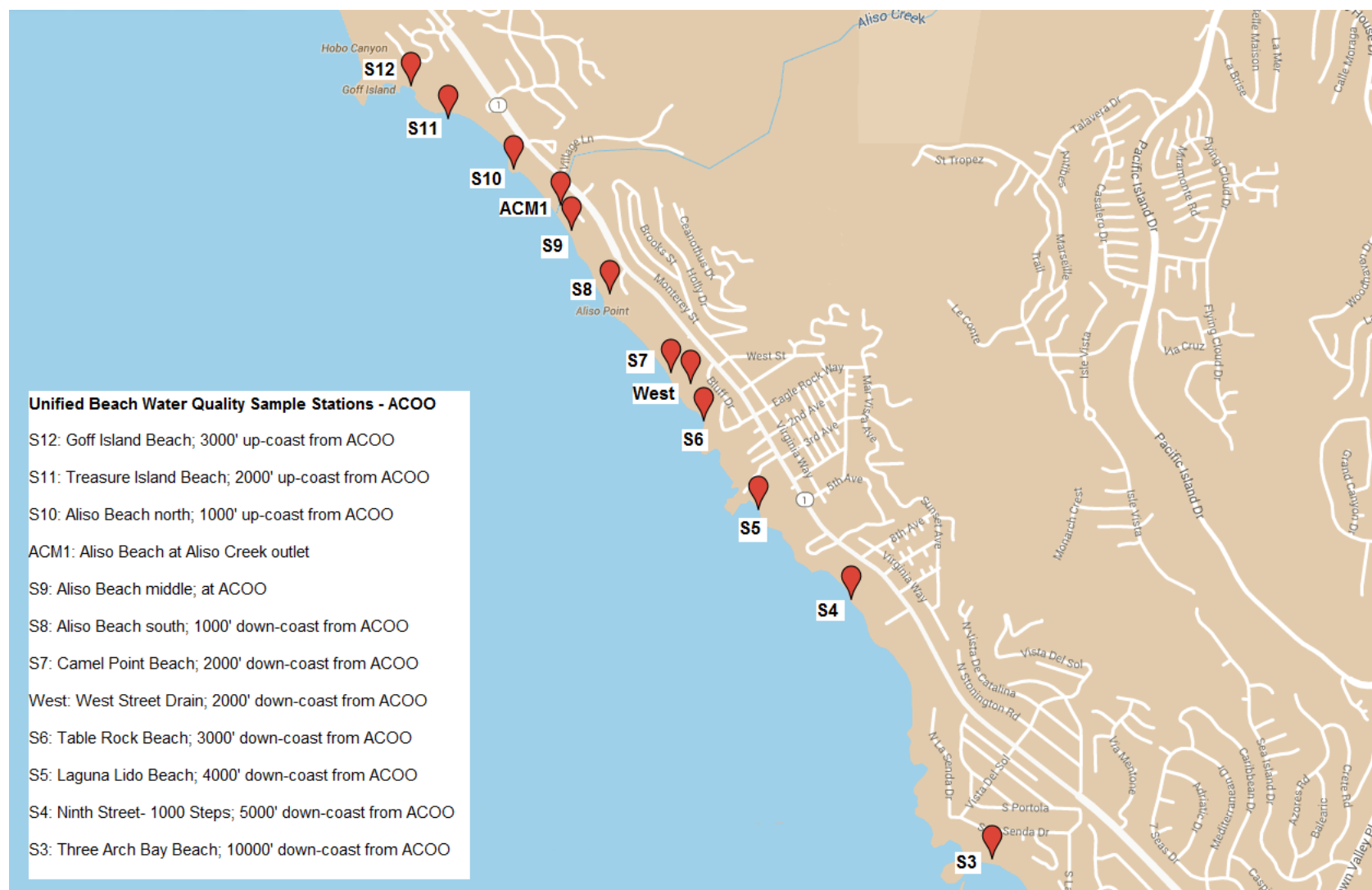
Weather: Drizzle

COMMENTS: Duplicate at S-5

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform	Coliform	coccus	Origin								
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore							
			SM9222B	SM9222D	EPA 1600									
S3	02/23/23	0737	10	<10	<2	None	None	None	None	Green	57	Clear	Flowing	
S4	02/23/23	0949	<10	<10	<2	None	None	None	None	Green		Clear		
S5	02/23/23	0935	<10	<10	<2	None	None	None	None	Green		Clear		
S6	02/23/23	0912	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/23/23	0909	10	<10	<2	None	None	None	None	Green		Clear		
S7	02/23/23	0904	<10	<10	<2	None	None	None	None	Green		Clear		
S8	02/23/23	0845	<10	<10	6	None	None	None	None	Green		Clear		
S9	02/23/23	0842	50	<10	4	None	None	None	None	Green		Clear		
ACM1	02/23/23	0835	30	10	6	None	None	None	None	Green		Slightly Turbid		
S10	02/23/23	0816	20	<10	4	None	None	None	None	Green		Clear		
S11	02/23/23	0813	140	<10	10	None	None	None	None	Green		Clear		
S12	02/23/23	0809	<10	<10	<2	None	None	None	None	Green		Clear		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: February 2023

REPORT FREQUENCY: Monthly

REPORT DUE: April 1, 2023

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 1037

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	02/27/23	60	8	4	0835	0	0	
A-1	Mid depth	02/27/23	<10	<10	<10				
A-2	Surface	02/27/23	48	10	10	0815	0	0	
A-2	Mid depth	02/27/23	10	<10	<10				
A-3	Surface	02/27/23	50	20	2	0822	0	0	
A-3	Mid depth	02/27/23	<10	<10	<10				
A-4	Surface	02/27/23	20	4	<2	0841	0	0	
A-4	Mid depth	02/27/23	10	<10	<10				
A-5	Surface	02/27/23	26	20	4	0828	0	0	
A-5	Mid depth	02/27/23	20	<10	<10				
B-1	Surface	02/27/23	54	10	10	0759	0	0	
B-1	Mid depth	02/27/23	<10	<10	<10				
B-2	Surface	02/27/23	10	2	2	0852	0	0	
B-2	Mid depth	02/27/23	110	20	<10				
N1	Surface	02/27/23	30	6	<2	0948	0	0	
N2	Surface	02/27/23	24	10	2	0943	0	0	
N3	Surface	02/27/23	40	2	10	0938	0	0	
N4	Surface	02/27/23	36	20	6	0934	0	0	
N5	Surface	02/27/23	>=76	20	38	0928	0	0	
N6	Surface	02/27/23	48	6	10	0924	0	0	
N7	Surface	02/27/23	25	2	4	0919	0	0	

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

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

ACOO Permit Order No. R9-2022-0006							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this monitoring period.							



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

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

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

February 2023

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
02/01/23	7.140	9.1	8.7	0.1	3.414	6.6	7.0	<0.1	0.014	1.3	9.5	<0.1	0.780	13.6	10.4	<0.1	0.000	1.242	12.060	0.00
02/02/23	6.940	8.8	9.0	<0.1	2.900	6.6	7.0	<0.1	0.000				2.079	8.8	7.9	<0.1	0.000	1.059	12.320	0.00
02/03/23	6.900	8.7	10.8	0.1	3.592	7.6	7.0	<0.1	0.000				2.095	12.2	10.4	<0.1	0.000	0.194	13.590	0.00
02/04/23	6.750	7.8	9.0		3.582		7.0		0.000				2.120				0.000	0.195	12.960	0.00
02/05/23	6.900	10.1		<0.1	3.476				0.000				2.143				0.000	0.198	13.010	0.00
02/06/23	6.790	11.4	8.0	<0.1	3.662	9.6	9.0	<0.1	0.000				1.693	9.0	7.2	<0.1	0.000	0.171	13.060	0.00
02/07/23	7.240	12.1	9.5	0.1	3.544	8.8	10.0	<0.1	0.017	1.0	8.2	<0.1	1.460	8.8	8.0	<0.1	0.000	No Flow	12.910	0.00
02/08/23	7.420	12.2	12.7	0.1	3.303	9.2	7.0	<0.1	1.227	1.0	1.7	<0.1	1.976	10.2	9.1	<0.1	0.000	0.168	12.440	0.00
02/09/23	7.450	8.3	8.7	0.1	3.148	8.8	8.0	<0.1	0.000				1.461	10.4	8.8	<0.1	0.000	0.196	14.770	0.00
02/10/23	7.370	8.4	9.3	<0.1	3.112	8.1	8.0	<0.1	0.000				1.455	17.2	12.5	<0.1	0.000	0.184	12.570	0.00
02/11/23	7.420	7.7	8.4		2.802		7.0		0.000				1.491				0.000	0.194	12.060	0.00
02/12/23	7.500	8.5	14.4	0.1	2.982				0.000				1.553				0.000	0.194	12.200	0.00
02/13/23	7.520	8.7	7.0	0.3	3.160	8.6	10.0	0.1	0.000				1.608	20.6	12.0	<0.1	0.000	0.193	12.750	0.00
02/14/23	7.380	7.7	8.3	<0.1	3.359	8.9	9.0	<0.1	0.000				1.488	19.0	14.5	<0.1	0.000	0.200	12.470	0.00
02/15/23	7.200	9.8	8.2	<0.1	2.866	8.2	8.0	<0.1	0.017	1.6	2.4	<0.1	1.422	19.2	13.0	<0.1	0.000	0.193	11.880	0.00
02/16/23	7.270	9.9	20.1	<0.1	2.838	5.6	5.0	<0.1	0.000				1.416	18.2	13.0	<0.1	0.000	0.198	12.060	0.00
02/17/23	7.210	8.6	11.7	<0.1	2.733	7.0	6.0	<0.1	0.000				1.491	11.4	8.8	0.2	0.000	0.191	12.000	0.00
02/18/23	7.180	9.5	9.4		2.575		8.0		0.000				1.407				0.000	0.191	11.740	0.00
02/19/23	7.150	9.1	13.7	<0.1	2.989				0.000				1.423				0.000	0.195	12.130	0.00
02/20/23	7.200	8.1	9.4	<0.1	3.006	7.0		0.1	0.000				1.500	9.2	7.6	<0.1	0.000	0.194	12.240	0.00
02/21/23	7.860	8.3	9.7	<0.1	3.408	7.3	9.0	<0.1	0.000				1.470	16.6	10.5	<0.1	0.000	0.198	12.580	0.02
02/22/23	7.490	5.6	8.0	<0.1	3.147	6.0	6.0	<0.1	0.010	2.1	2.1	<0.1	0.965	18.4	10.4	<0.1	0.000	0.194	12.260	0.00
02/23/23	7.550	6.9	8.9	<0.1	2.935	5.6	6.0	<0.1	0.000				1.844	12.2	10.2	<0.1	0.000	0.182	11.590	0.20
02/24/23	7.680	6.7	7.3	0.1	3.126	5.4	5.0	<0.1	0.000				1.792	19.8	11.8	<0.1	0.000	0.179	12.600	0.34
02/25/23	9.060	8.1	8.3		4.290		8.0		0.832	1.2	8.0	<0.1	2.229				0.000	0.179	14.340	2.22
02/26/23	12.040	13.9	11.4	<0.1	4.430				0.000				1.723				0.000	0.177	21.250	0.07
02/27/23	9.260	10.4	7.7	<0.1	3.759	5.6	8.0	<0.1	0.000				1.629	19.2	11.6	<0.1	0.000	0.183	14.950	0.17
02/28/23	8.750	11.9	9.3	0.2	3.650	5.8	6.0	<0.1	0.000				1.726	17.6	10.2	<0.1	0.000	0.164	14.130	0.28
AVG	7.629	9.2	9.9	<0.1	3.278	7.3	7.4	<0.1	0.076	1.4	5.3	<0.1	1.623	14.6	10.4	<0.1	0.000	0.250	13.033	
TOTAL	213.620				91.788				2.117				45.439				0.000	7.006	364.920	3.30

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: High Tide 948

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					
S0	02/07/23	852	20	<20	6	None	None	None	None	Green			Clear		
S1	02/07/23	850	80	<20	4	None	None	None	None	Blue			Clear		
S2	02/07/23	903	100	<20	14	None	None	None	None	Green			Clear		
DSB5	02/07/23	907	60	<20	10	None	None	None	None	Brown	62		Turbid	Flowing	
S3	02/07/23	842	80	100	2	None	None	None	None	Blue			Clear		
DSB4	02/07/23	840	20	20	14	None	None	None	None	Blue			Clear		
S5	02/07/23	834	<20	<20	4	None	None	None	None	Blue			Clear		
DSB1	02/07/23	832	<20	<20	<2	None	None	None	None	Green			Clear		
SJC1	02/07/23	850	<100	100	10	None	None	None	None	Green			Slightly Turbid	Flowing	

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: Low Tide 1103

Weather: Overcast

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					
S0	02/14/23	0845	600	160	100	None	None	None	None	Green			Slightly Turbid		
S1	02/14/23	0855	80	40	40	None	None	None	None	Green			Slightly Turbid		
S2	02/14/23	0810	20	60	48	None	None	None	None	Green			Slightly Turbid		
DSB5	02/14/23	0755	200	160	30	None	None	None	None	Brown			Turbid	Flowing	
S3	02/14/23	0905	60	<20	20	None	None	None	None	Green			Slightly Turbid		
DSB4	02/14/23	0910	60	40	20	None	None	None	None	Green			Slightly Turbid		
S5	02/14/23	0915	60	20	20	None	None	None	None	Green			Slightly Turbid		
DSB1	02/14/23	0920	40	40	10	None	None	None	None	Green	56		Slightly Turbid		
SJC1	02/14/23	0825	100	<100	<100	None	None	None	None	Brown			Slightly Turbid	Flowing	

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: High Tide 918

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	02/21/23	855	<20	<20	2	None	None	None	None	Blue			Clear		
S1	02/21/23	836	<20	<20	2	None	None	None	None	Blue			Clear		
S2	02/21/23	913	60	<20	2	None	None	None	None	Blue			Clear		
DSB5	02/21/23	933	40	60	10	None	None	None	None	Brown			Slightly Turbid	Flowing	
S3	02/21/23	831	20	<20	<2	None	None	None	None	Blue			Clear		
DSB4	02/21/23	833	<20	<20	<2	None	None	None	None	Blue			Clear		
S5	02/21/23	823	<20	<20	4	None	None	None	None	Blue			Clear		
DSB1	02/21/23	821	<20	<20	2	None	None	None	None	Blue			Clear		
SJC1	02/21/23	853	500	400	40	None	None	None	None	Blue	64		Clear	Flowing	

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

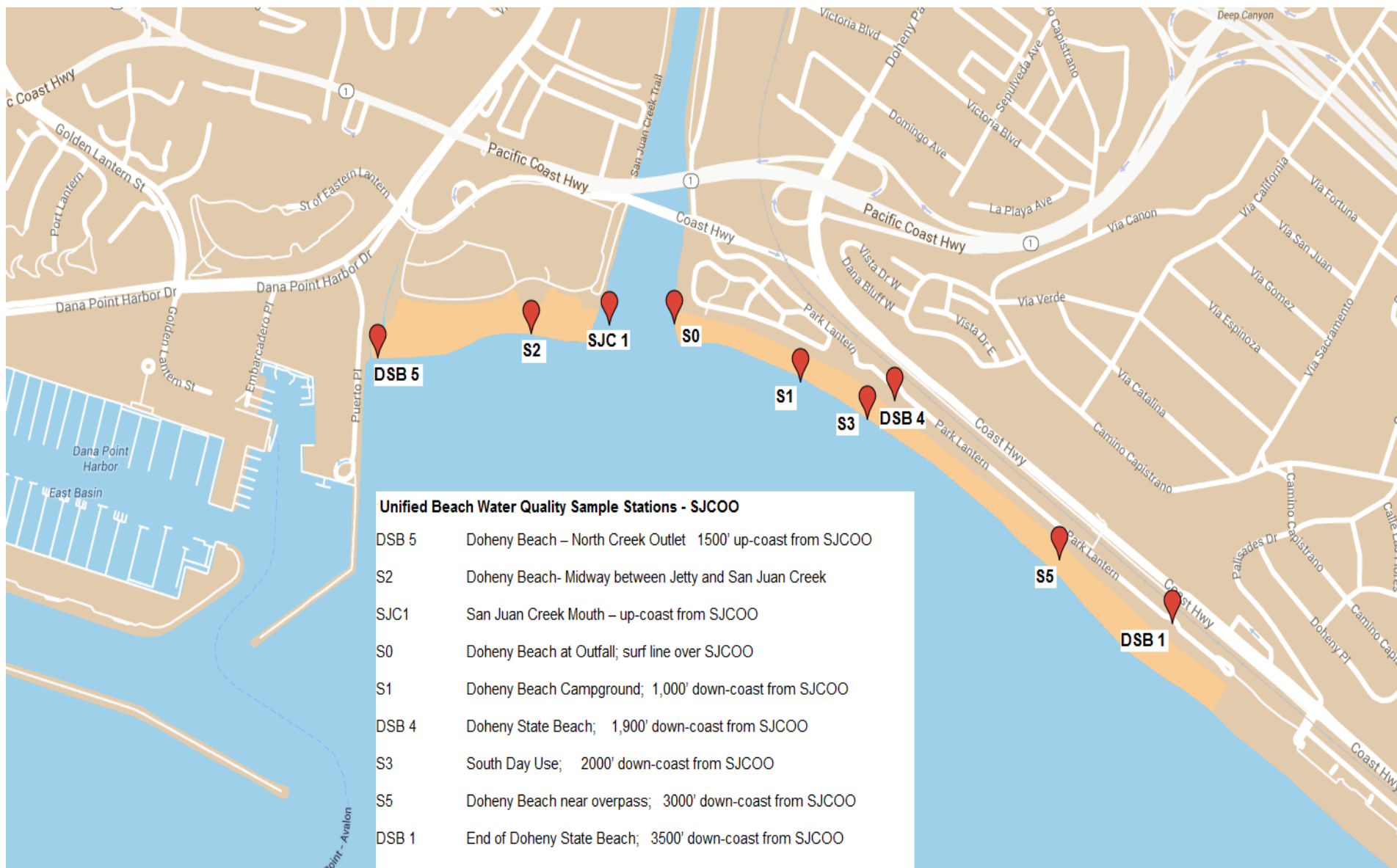
Tidal Condition: Low Tide 1148

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Enterococcus 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					
S0	02/28/23	842	400	500	1300	None	None	None	None	Blue		Clear		
S1	02/28/23	835	<200	780	1300	None	None	None	None	Blue		Clear		
S2	02/28/23	825	<200	20	200	None	None	None	None	Blue	58	Slightly Turbid		
DSB5	02/28/23	818	>=200	200	500	None	None	None	None	Blue		Slightly Turbid	Flowing	
S3	02/28/23	930	200	100	460	None	None	None	None	Blue		Clear		
DSB4	02/28/23	925	600	20	260	None	None	None	None	Green		Clear		
S5	02/28/23	918	60	<20	480	None	None	None	None	Blue		Clear		
DSB1	02/28/23	915	20	<20	70	None	None	None	None	Blue		Clear		
SJC1	02/28/23	900	3000	1000	31000	None	None	None	None	Brown		Slightly Turbid	Flowing	

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



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: February 2023

REPORT FREQUENCY: Monthly

REPORT DUE: April 1, 2023

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 1152

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	02/28/23	10	20	6	0832	0	0	
A-1	Mid depth	02/28/23	<10	<10	<10				
A-2	Surface	02/28/23	2	20	20	0838	0	0	
A-2	Mid depth	02/28/23	<10	<10	<10				
A-3	Surface	02/28/23	<2	36	6	0844	0	0	
A-3	Mid depth	02/28/23	<10	<10	<10				
A-4	Surface	02/28/23	2	8	4	0857	0	0	
A-4	Mid depth	02/28/23	<10	<10	<10				
A-5	Surface	02/28/23	2	6	2	0850	0	0	
A-5	Mid depth	02/28/23	<10	<10	<10				
B-1	Surface	02/28/23	<2	2	2	0822	0	0	
B-1	Mid depth	02/28/23	<10	<10	<10				
B-2	Surface	02/28/23	<2	20	<2	0907	0	0	
B-2	Mid depth	02/28/23	<10	<10	<10				
N1	Surface	02/28/23	10	4	10	0755	0	0	
N2	Surface	02/28/23	10	2	6	0748	0	0	
N3	Surface	02/28/23	6	10	6	0741	0	0	
N4	Surface	02/28/23	10	10	2	0733	0	0	
N5	Surface	02/28/23	2	6	10	0728	0	0	
N6	Surface	02/28/23	10	6	3	0722	0	0	

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

Compliance Summary Report
San Juan Creek Ocean Outfall 2023

SJCOO Permit Order No. R9-2022-0005							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No monitoring violations during this period.							



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

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

Waste Discharge Requirement Order 97 - 52

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

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Feb 28, 2023

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average ***
TDS	mg/L	1000	1086.00	OL	946.00	827.00	1169.00	1285.00	1164.00
Chloride	mg/L	375	247.00	OL	215.00	224.00	228.00	266.00	314.00
Sulfate	mg/L	400	393.00	OL	282.00	232.00	389.00	374.00	368.00
Sodium	mg/L	None	56.00	OL	160.00	170.00	-	192.00	195.00
Alkalinity	mg/L	None	-	OL	-	-	-	294.00	226.00
Adjusted SAR	Ratio	None	4.96	OL	5.18	5.24	4.08	4.56	4.73
Iron	mg/L	0.3	.01	OL	.12	.02	.15	.25	.15
Manganese	mg/L	0.05	.01	OL	.04	.01	0.08	.11	.08
MBAS	mg/L	0.5	ND	OL	<0.05	<0.1	<0.04	<0.02	<0.03
Boron	mg/L	0.75	.32	OL	.29	.27	.36	.30	.35
Fluoride	mg/L	None	.65	OL	.73	1.05	.76	.76	.93
Total Organic Carbon	mg/L	None	5.50	OL	12.80	8.20	1.50	10.50	7.80

OL = Offline

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

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

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

Agency	Facility or Region	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Jul '23	Aug '23	Sep '23	Oct '23	Nov '23	Dec '23	Annual Totals
CSJC 1	3-A Plant/MNWD	.00	.00											.00
CSJC 2	Chiquita/SMWD	.29	4.74											5.03
CSJC 3	Non-Domestic Well	10.40	27.80											38.20
ETWD	Region 8	16.43	40.04											56.47
IRWD														
4	IRWD - 8	21.73	53.01											74.74
4	IRWD - 9	8.13	22.80											30.93
SCWD	SOCWA CTP	5.64	47.65											53.29
MNWD	JRP	174.19	247.35											421.54
	3-A Plant	130.46	6.55											137.01
5	CTP	1.07	4.00											5.07
SMWD	Oso Creek													
	Chiquita	546.20	452.32											998.52
	Nichols	1.50	1.35											2.85
TCWD	RRWRP	56.19	37.03											93.22
TOTALS		972.20	944.65											1916.85

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

Recycled Water Report

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

February 2023

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
02/01/23	7.140	9.1	8.7	0.1	3.414	6.6	7.0	<0.1	0.014	1.3	9.5	<0.1	0.780	13.6	10.4	<0.1	0.000	1.242	12.060	0.00
02/02/23	6.940	8.8	9.0	<0.1	2.900	6.6	7.0	<0.1	0.000				2.079	8.8	7.9	<0.1	0.000	1.059	12.320	0.00
02/03/23	6.900	8.7	10.8	0.1	3.592	7.6	7.0	<0.1	0.000				2.095	12.2	10.4	<0.1	0.000	0.194	13.590	0.00
02/04/23	6.750	7.8	9.0		3.582		7.0		0.000				2.120				0.000	0.195	12.960	0.00
02/05/23	6.900	10.1		<0.1	3.476				0.000				2.143				0.000	0.198	13.010	0.00
02/06/23	6.790	11.4	8.0	<0.1	3.662	9.6	9.0	<0.1	0.000				1.693	9.0	7.2	<0.1	0.000	0.171	13.060	0.00
02/07/23	7.240	12.1	9.5	0.1	3.544	8.8	10.0	<0.1	0.017	1.0	8.2	<0.1	1.460	8.8	8.0	<0.1	0.000	No Flow	12.910	0.00
02/08/23	7.420	12.2	12.7	0.1	3.303	9.2	7.0	<0.1	1.227	1.0	1.7	<0.1	1.976	10.2	9.1	<0.1	0.000	0.168	12.440	0.00
02/09/23	7.450	8.3	8.7	0.1	3.148	8.8	8.0	<0.1	0.000				1.461	10.4	8.8	<0.1	0.000	0.196	14.770	0.00
02/10/23	7.370	8.4	9.3	<0.1	3.112	8.1	8.0	<0.1	0.000				1.455	17.2	12.5	<0.1	0.000	0.184	12.570	0.00
02/11/23	7.420	7.7	8.4		2.802		7.0		0.000				1.491				0.000	0.194	12.060	0.00
02/12/23	7.500	8.5	14.4	0.1	2.982				0.000				1.553				0.000	0.194	12.200	0.00
02/13/23	7.520	8.7	7.0	0.3	3.160	8.6	10.0	0.1	0.000				1.608	20.6	12.0	<0.1	0.000	0.193	12.750	0.00
02/14/23	7.380	7.7	8.3	<0.1	3.359	8.9	9.0	<0.1	0.000				1.488	19.0	14.5	<0.1	0.000	0.200	12.470	0.00
02/15/23	7.200	9.8	8.2	<0.1	2.866	8.2	8.0	<0.1	0.017	1.6	2.4	<0.1	1.422	19.2	13.0	<0.1	0.000	0.193	11.880	0.00
02/16/23	7.270	9.9	20.1	<0.1	2.838	5.6	5.0	<0.1	0.000				1.416	18.2	13.0	<0.1	0.000	0.198	12.060	0.00
02/17/23	7.210	8.6	11.7	<0.1	2.733	7.0	6.0	<0.1	0.000				1.491	11.4	8.8	0.2	0.000	0.191	12.000	0.00
02/18/23	7.180	9.5	9.4		2.575		8.0		0.000				1.407				0.000	0.191	11.740	0.00
02/19/23	7.150	9.1	13.7	<0.1	2.989				0.000				1.423				0.000	0.195	12.130	0.00
02/20/23	7.200	8.1	9.4	<0.1	3.006	7.0		0.1	0.000				1.500	9.2	7.6	<0.1	0.000	0.194	12.240	0.00
02/21/23	7.860	8.3	9.7	<0.1	3.408	7.3	9.0	<0.1	0.000				1.470	16.6	10.5	<0.1	0.000	0.198	12.580	0.02
02/22/23	7.490	5.6	8.0	<0.1	3.147	6.0	6.0	<0.1	0.010	2.1	2.1	<0.1	0.965	18.4	10.4	<0.1	0.000	0.194	12.260	0.00
02/23/23	7.550	6.9	8.9	<0.1	2.935	5.6	6.0	<0.1	0.000				1.844	12.2	10.2	<0.1	0.000	0.182	11.590	0.20
02/24/23	7.680	6.7	7.3	0.1	3.126	5.4	5.0	<0.1	0.000				1.792	19.8	11.8	<0.1	0.000	0.179	12.600	0.34
02/25/23	9.060	8.1	8.3		4.290		8.0		0.832	1.2	8.0	<0.1	2.229				0.000	0.179	14.340	2.22
02/26/23	12.040	13.9	11.4	<0.1	4.430				0.000				1.723				0.000	0.177	21.250	0.07
02/27/23	9.260	10.4	7.7	<0.1	3.759	5.6	8.0	<0.1	0.000				1.629	19.2	11.6	<0.1	0.000	0.183	14.950	0.17
02/28/23	8.750	11.9	9.3	0.2	3.650	5.8	6.0	<0.1	0.000				1.726	17.6	10.2	<0.1	0.000	0.164	14.130	0.28
AVG	7.629	9.2	9.9	<0.1	3.278	7.3	7.4	<0.1	0.076	1.4	5.3	<0.1	1.623	14.6	10.4	<0.1	0.000	0.250	13.033	
TOTAL	213.620				91.788				2.117				45.439				0.000	7.006	364.920	3.30

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: High Tide 948

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	02/07/23	852	20	<20	6	None	None	None	None	Green			Clear		
S1	02/07/23	850	80	<20	4	None	None	None	None	Blue			Clear		
S2	02/07/23	903	100	<20	14	None	None	None	None	Green			Clear		
DSB5	02/07/23	907	60	<20	10	None	None	None	None	Brown	62	Turbid		Flowing	
S3	02/07/23	842	80	100	2	None	None	None	None	Blue			Clear		
DSB4	02/07/23	840	20	20	14	None	None	None	None	Blue			Clear		
S5	02/07/23	834	<20	<20	4	None	None	None	None	Blue			Clear		
DSB1	02/07/23	832	<20	<20	<2	None	None	None	None	Green			Clear		
SJC1	02/07/23	850	<100	100	10	None	None	None	None	Green			Slightly Turbid	Flowing	

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: Low Tide 1103

Weather: Overcast

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					
S0	02/14/23	0845	600	160	100	None	None	None	None	Green		Slightly Turbid		
S1	02/14/23	0855	80	40	40	None	None	None	None	Green		Slightly Turbid		
S2	02/14/23	0810	20	60	48	None	None	None	None	Green		Slightly Turbid		
DSB5	02/14/23	0755	200	160	30	None	None	None	None	Brown		Turbid	Flowing	
S3	02/14/23	0905	60	<20	20	None	None	None	None	Green		Slightly Turbid		
DSB4	02/14/23	0910	60	40	20	None	None	None	None	Green		Slightly Turbid		
S5	02/14/23	0915	60	20	20	None	None	None	None	Green		Slightly Turbid		
DSB1	02/14/23	0920	40	40	10	None	None	None	None	Green	56	Slightly Turbid		
SJC1	02/14/23	0825	100	<100	<100	None	None	None	None	Brown		Slightly Turbid	Flowing	

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

Tidal Condition: High Tide 918

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	02/21/23	855	<20	<20	2	None	None	None	None	Blue			Clear		
S1	02/21/23	836	<20	<20	2	None	None	None	None	Blue			Clear		
S2	02/21/23	913	60	<20	2	None	None	None	None	Blue			Clear		
DSB5	02/21/23	933	40	60	10	None	None	None	None	Brown			Slightly Turbid	Flowing	
S3	02/21/23	831	20	<20	<2	None	None	None	None	Blue			Clear		
DSB4	02/21/23	833	<20	<20	<2	None	None	None	None	Blue			Clear		
S5	02/21/23	823	<20	<20	4	None	None	None	None	Blue			Clear		
DSB1	02/21/23	821	<20	<20	2	None	None	None	None	Blue			Clear		
SJC1	02/21/23	853	500	400	40	None	None	None	None	Blue	64		Clear	Flowing	

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

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

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

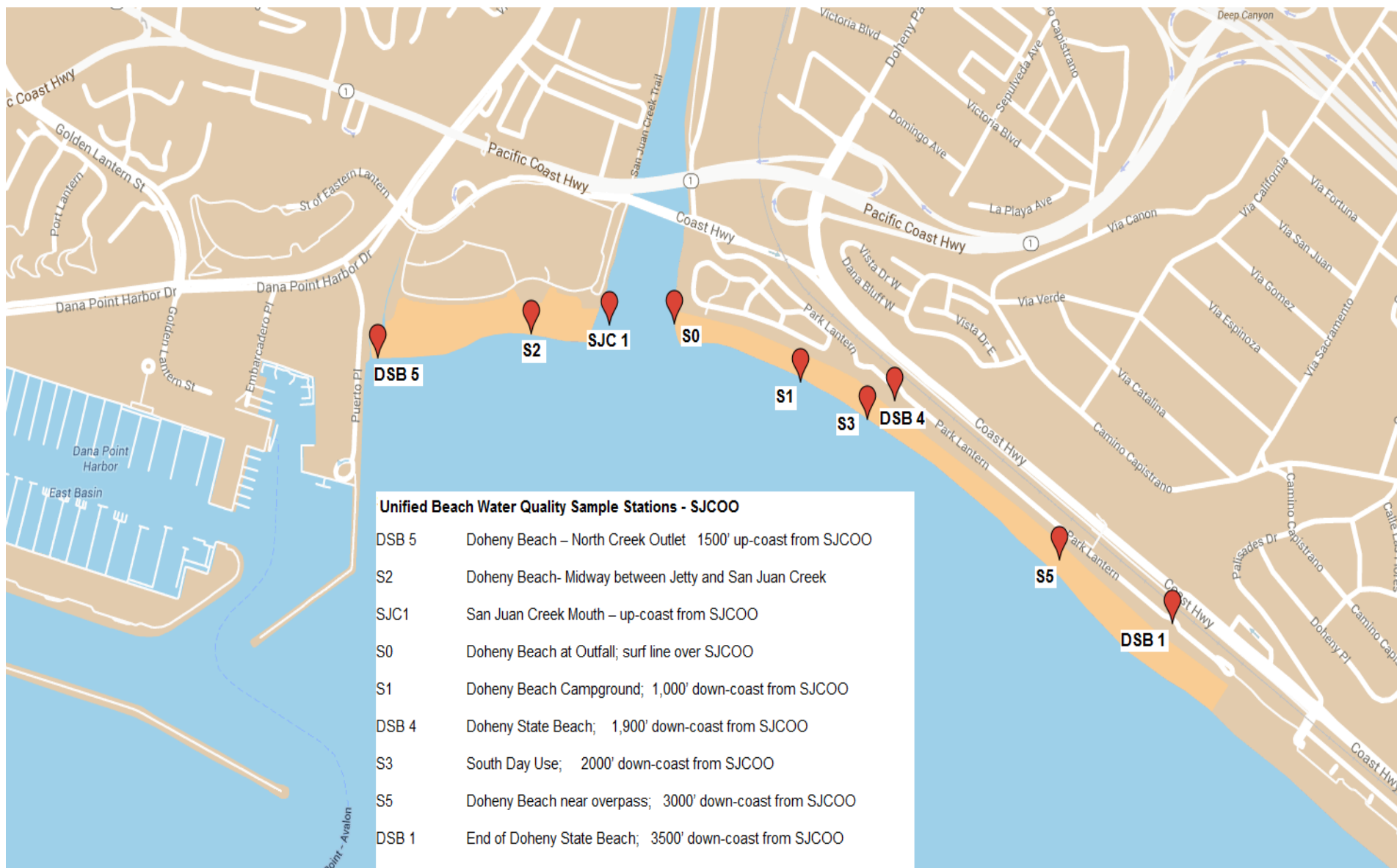
Tidal Condition: Low Tide 1148

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Enterococcus 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					
S0	02/28/23	842	400	500	1300	None	None	None	None	Blue			Clear		
S1	02/28/23	835	<200	780	1300	None	None	None	None	Blue			Clear		
S2	02/28/23	825	<200	20	200	None	None	None	None	Blue	58		Slightly Turbid		
DSB5	02/28/23	818	>=200	200	500	None	None	None	None	Blue			Slightly Turbid	Flowing	
S3	02/28/23	930	200	100	460	None	None	None	None	Blue			Clear		
DSB4	02/28/23	925	600	20	260	None	None	None	None	Green			Clear		
S5	02/28/23	918	60	<20	480	None	None	None	None	Blue			Clear		
DSB1	02/28/23	915	20	<20	70	None	None	None	None	Blue			Clear		
SJC1	02/28/23	900	3000	1000	31000	None	None	None	None	Brown			Slightly Turbid	Flowing	

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



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: February 2023

REPORT FREQUENCY: Monthly

REPORT DUE: April 1, 2023

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 1152

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	02/28/23	10	20	6	0832	0	0	
A-1	Mid depth	02/28/23	<10	<10	<10				
A-2	Surface	02/28/23	2	20	20	0838	0	0	
A-2	Mid depth	02/28/23	<10	<10	<10				
A-3	Surface	02/28/23	<2	36	6	0844	0	0	
A-3	Mid depth	02/28/23	<10	<10	<10				
A-4	Surface	02/28/23	2	8	4	0857	0	0	
A-4	Mid depth	02/28/23	<10	<10	<10				
A-5	Surface	02/28/23	2	6	2	0850	0	0	
A-5	Mid depth	02/28/23	<10	<10	<10				
B-1	Surface	02/28/23	<2	2	2	0822	0	0	
B-1	Mid depth	02/28/23	<10	<10	<10				
B-2	Surface	02/28/23	<2	20	<2	0907	0	0	
B-2	Mid depth	02/28/23	<10	<10	<10				
N1	Surface	02/28/23	10	4	10	0755	0	0	
N2	Surface	02/28/23	10	2	6	0748	0	0	
N3	Surface	02/28/23	6	10	6	0741	0	0	
N4	Surface	02/28/23	10	10	2	0733	0	0	
N5	Surface	02/28/23	2	6	10	0728	0	0	
N6	Surface	02/28/23	10	6	3	0722	0	0	

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

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

SJCOO Permit Order No. R9-2022-0005							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No monitoring violations during this period.							



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

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

Waste Discharge Requirement Order 97 - 52

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

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Feb 28, 2023

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average ***
TDS	mg/L	1000	1086.00	OL	946.00	827.00	1169.00	1285.00	1164.00
Chloride	mg/L	375	247.00	OL	215.00	224.00	228.00	266.00	314.00
Sulfate	mg/L	400	393.00	OL	282.00	232.00	389.00	374.00	368.00
Sodium	mg/L	None	56.00	OL	160.00	170.00	-	192.00	195.00
Alkalinity	mg/L	None	-	OL	-	-	-	294.00	226.00
Adjusted SAR	Ratio	None	4.96	OL	5.18	5.24	4.08	4.56	4.73
Iron	mg/L	0.3	.01	OL	.12	.02	.15	.25	.15
Manganese	mg/L	0.05	.01	OL	.04	.01	0.08	.11	.08
MBAS	mg/L	0.5	ND	OL	<0.05	<0.1	<0.04	<0.02	<0.03
Boron	mg/L	0.75	.32	OL	.29	.27	.36	.30	.35
Fluoride	mg/L	None	.65	OL	.73	1.05	.76	.76	.93
Total Organic Carbon	mg/L	None	5.50	OL	12.80	8.20	1.50	10.50	7.80

OL = Offline

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

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

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

Agency	Facility or Region	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Jul '23	Aug '23	Sep '23	Oct '23	Nov '23	Dec '23	Annual Totals
CSJC 1	3-A Plant/MNWD	.00	.00											.00
CSJC 2	Chiquita/SMWD	.29	4.74											5.03
CSJC 3	Non-Domestic Well	10.40	27.80											38.20
ETWD	Region 8	16.43	40.04											56.47
IRWD														
4	IRWD - 8	21.73	53.01											74.74
4	IRWD - 9	8.13	22.80											30.93
SCWD	SOCWA CTP	5.64	47.65											53.29
MNWD	JRP	174.19	247.35											421.54
	3-A Plant	130.46	6.55											137.01
5	CTP	1.07	4.00											5.07
SMWD	Oso Creek													
	Chiquita	546.20	452.32											998.52
	Nichols	1.50	1.35											2.85
TCWD	RRWRP	56.19	37.03											93.22
TOTALS		972.20	944.65											1916.85

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

Legal Counsel Review: No

Meeting Date: April 6, 2023

TO: SOCWA Board of Directors

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

STAFF CONTACT: Katie Greenwood, Source Control Manager

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

Summary of Program Activities

Staff continues to utilize the CA Manufacturers Directory, submitted will serve notices, and business licensing data to identify industrial users (IUs) and update each member agency (MA) industrial waste survey (IWS) spreadsheet. Additionally, Dental Users continue to submit One-Time Compliance Reports and Staff is noting as received. 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:

CSC/SMWD – Prima Deshecha Landfill (PDL) – On February 14, 2022, SOCWA received a WD Permit Application submitted on behalf of Orange County Waste & Recycling (OCWR) for proposed discharge from a treatment system for landfill gas condensate stream produced at PDL. A final project treatment design was submitted to SOCWA on October 11, 2022. Staff presented a summary report to the SOCWA Engineering Committee during the November 10, 2022, meeting. Additionally, CSC and SOCWA Staff met with the applicant on March 8, 2023, to further discuss pilot study results and pending regulatory findings.

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

SCWD - Burnham-Ward Properties LLC - The County of Orange - Dana Point Harbor Revitalization Project – On July 26, 2022, Staff received a SWD Permit Application to discharge water encountered during construction activities over a three-year period. SOCWA provided a response letter to the application on September 19, 2022, stating concerns and a request for

additional documentation and monitoring data due to SOCWA's concerns with the potential non-compliance with the NPDES permit. SOCWA completed an engineering report and bench scale analysis that indicated an additional cost for treatment by accepting the discharge. SOCWA and SCWD Staff met on-site with project contractor Staff from Snyder Langston and Rain for Rent on January 10, 2023, to evaluate the monitoring well sample locations and discuss the proposed plan for discharge to the sewer. In response to SOCWA's request, the applicant submitted additional monitoring data on January 31, 2023. And, on February 8, 2023, SOCWA met in-person with the applicant and contracted Staff to discuss alternative discharge options such as direct discharge and the risks associated with both sewer and direct discharge to the harbor. Additionally, SOCWA relayed the need to further study the impact to its JBL facility, as recommended by the Carollo JBL TP Salt Study, and figure treatment costs should discharge to the sewer commence. The applicant agreed to pay for the additional study and sign a commitment letter stating such. SOCWA brought this study to the PC2 Board on February 21, 2023. The SOCWA PC2 Board agreed that SOCWA staff lead the study as the project manager on behalf of PC2 with costs passed directly to SCWD and to the Harbor Project as agreed by the Burnham Ward company.

SMWD – Permit No. SMWD-1-008-03-38 - Applied Medical - 22432 Empresa, Rancho Santa Margarita, CA (Bldg R110) - At the request of SOCWA, Applied Medical submitted a permit application on January 9, 2023, for a new process and equipment used for expansion of high friction polyolefin tubing potentially subject to 40 CFR Part 463 – Plastics Molding and Forming Point Source Category, Subpart A – Contact Cooling. There are no pretreatment standards for this category. However, the December 5, 2022, EPA Memo addressing PFAS dischargers lists the category as a known discharge of PFAS and recommends PFAS pollution prevention and source reduction through permit prescribed BMPs and requirements and quarterly monitoring for 40 PFAS parameters. Permit No. SMWD-1-008-03-28 was issued to site on March 24, 2023, and at present requires daily readings for pH and flow and monthly reporting. Staff is evaluating the EPA recommendations regarding PFAS and may modify the permit as necessary to regulate PFAS loadings from the site.

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

MNWD – Confluent Medical Technologies located at 27721 La Paz Rd Ste. A, Laguna Niguel, CA 92677. On March 17, 2023, Staff received a permit application for discharge of quench water associated with an extrusion process. Staff plans to inspect the discharge to better evaluate the need for a WD Permit.

Trainings and Committee Meetings Attended

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

On March 23, 2023, Staff participated in an EPA listening session on development of enforcement discretion policy to address concerns about potential CERCLA enforcement related to PFAS.

On March 30, 2023, Staff attended the CWEA SARBS Winter Collection Systems Seminar.

Enforcement

CSC – On February 23, 2023, Staff issued a Warning Notice of Non-Compliance (WNON) to both Custom Ingredients sites located at 160 and 151 Calle Iglesia, San Clemente, CA 92672, WD Permit Nos. CSC-2-009-08-27 and CSC-2-010-12-26. The WNONs were issued for late reporting of the January 2023 SMR. The February 2023 SMRs were received on-time. SOCWA considers this enforcement action resolved.

Summary of IWS Activities in SOCWA's Service Area - YTD through March 21, 2023

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	110	15	0	0	143
CSC (S)	0	10	35	18	181	1265	37	1	1	1546
CSJC (S)	17	2	27	59	137	1675	28	8	0	1928
ETWD (M)	0	3	88	0	262	131	50	0	0	487
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	0	4	51	21	63	914	18	0	0	1071
MNWD (S)	28	5	120	38	643	2119	149	7	0	3074
SMWD (S)	11	6	19	20	215	822	52	0	0	1134
SCWD (S)	0	8	33	7	148	186	15	0	0	397
TCWD (S)	2	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	3	1	0	0	0		0	0	4
Totals	58	45	387	168	1664	7255	366	16	1	9836

(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.G.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

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

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

J.B. Latham Package B

Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building seismic retrofit, and minor rehabilitation of Digester 4:

The project is nearing completion. The contractor has demobilized and is currently working through the punch list items. Staff is working with the Construction Management team to close out all outstanding items and close out the project.

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

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

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

The rain events this year continue to produce significant mud flows where the hillside was burned from the Coastal fire near the Coastal Treatment Plant. Staff is in contact with OC Parks and OC Public Works as they try to stabilize the burned hillside. Beyond the burn area, the rains continue to provide much needed water for the rest of the hydroseed. Native vegetation is beginning to establish itself within the site.

Recommended Action: Information Item.

SOCWA CIP Workplan

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

SOCWA CIP Workplan

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

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

Agenda Item

5.H.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

FROM: David Baranowski, Director of Engineering

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

Overview

Active Construction Project Updates:

Attached are the updated CIP reports. Please note that there is one new change order for Olsson Construction for PC 2 J.B. Latham Package B project totaling \$10,831.51.

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

- Change Order 72 for \$10,831.51, including 0 additional day(s)

The total of the Change Order is \$10,831.51, and the revised contract value is \$18,626,867.89 for the J.B. Latham Package B Project.

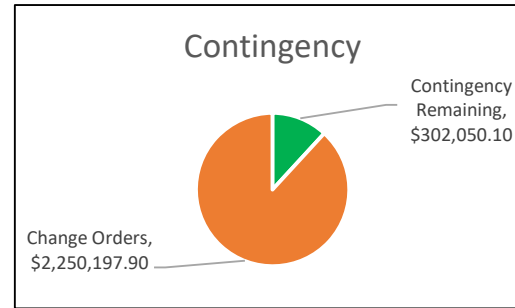
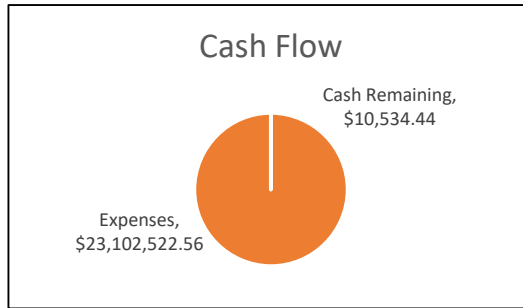
Recommended Action: Staff recommends that the Board of Directors receive and file the report as an information item.

Project Financial Status

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

Data Last Updated

February 27, 2023



Cash Flow

Collected	\$ 23,113,057.00
Expenses	\$ 23,102,522.56

Project Completion

Schedule	100%
Budget	96%

Contracts

Company	PO No.	Original	Change Orders*	Amendments	Total	Invoiced
Olsson	13497	\$ 17,325,000.00	\$ 1,301,867.89		\$ 18,626,867.89	\$ 18,405,627.59
Butler	13647	\$ 895,727.00		\$ 1,005,251.00	\$ 1,900,978.00	\$ 1,862,197.00
Carollo	13616	\$ 846,528.00		\$ 616,037.00	\$ 1,462,565.00	\$ 1,282,311.86
TetraTech	13605	\$ 94,000.00		\$ -	\$ 94,000.00	\$ 93,884.70
Ninyo & Moore	14279	\$ 49,399.00		\$ 30,000.00	\$ 79,399.00	\$ 47,005.27
ADS Environmental	16452	\$ 107,200.00	\$ -		\$ 107,200.00	\$ 57,375.00
Hallsten	16578	\$ 251,422.00	\$ 16,715.25		\$ 268,137.25	\$ -
Dudek	17401	\$ 48,360.00		\$ -	\$ 48,360.00	\$ 34,100.00
		\$ 19,617,636.00	\$ 1,318,583.14	\$ 1,651,288.00	\$ 22,587,507.14	\$ 21,782,501.42

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

Contingency

Area	Project Code	Amount **	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 969,679.00	\$ 868,639.46	\$ 101,039.54	89.6%
Common	3231-000	\$ 38,120.00	\$ 3,305.76	\$ 34,814.24	8.7%
Solids	3287-000	\$ 1,544,449.00	\$ 1,378,252.68	\$ 166,196.32	89.2%
		\$ 2,552,248.00	\$ 2,250,197.90	\$ 302,050.10	88.2%

** Amount reflects contingency for Construction Contracts only

Summary of New Change Orders

Change Order No	MNWD	SCWD	SMWD	\$ Amount
72	\$ 2,499.58	\$ 3,124.47	\$ 5,207.46	\$ 10,831.51
Grand Total	\$ 2,499.58	\$ 3,124.47	\$ 5,207.46	\$ 10,831.51

Change Orders and Amendments

<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>
Within Contingency, reviewed by Engineering Committee						\$ 10,831.51
72	Olsson	3220-000	Plant 1 Seal Influent Channel Openings and Helical Drives Temporary Covers	3/9/2023		\$ 10,831.51
Approved by Board of Directors					191	\$ 1,307,751.63
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	12/12/2019	0	\$ 4,725.00
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	6/4/2020	0	\$ 6,343.10
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	6/4/2020	11	\$ 37,969.60
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	6/4/2020	3	\$ 24,001.54
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	8/6/2020	28	\$ 16,370.30
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	8/6/2020	90	\$ 41,993.87

<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>
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	8/6/2020	3	\$ 7,412.74
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	8/6/2020	0	\$ (1,829.00)
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	8/6/2020	0	\$ 18,677.63
10	Olsson	3287-000	Duct bank J Interferences	12/17/2020	18	\$ 73,639.42
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	12/17/2020	5	\$ 20,868.52
12	Olsson	3220-000	Duct bank K Interferences	12/17/2020	0	\$ 15,567.08
13	Olsson	3287-000	Digester 3/4 PLC Relocation	12/17/2020	14	\$ 41,367.51
14	Olsson	3287-000	Digester 4 Additional Tank Repair	12/17/2020	18	\$ 33,642.75
15	Olsson	3220-000	Duct bank O Interferences	12/17/2020	0	\$ 1,686.88
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	2/4/2021	0	\$ 42,780.00
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	5/6/2021	0	\$ 34,392.02
18	Olsson	3287-000	Integrator Additional Site Visits	5/6/2021	0	\$ 7,571.97
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	6/3/2021	0	\$ 29,417.20

<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>
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	6/3/2021	0	\$ 62,113.50
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	6/3/2021	0	\$ 42,922.67
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	9/2/2021	0	\$ 28,965.33
23	Olsson	3287-000	MCC-F1 Design Change	9/2/2021		\$ 481,290.42
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	10/7/2021		\$ 67,838.71
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	10/7/2021		\$ 4,957.71
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	10/7/2021		\$ 8,444.20
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	10/7/2021		\$ 15,469.98
28	Olsson	3287-000	MCC-F1 Lighting Changes	10/7/2021		\$ 7,843.04
29	Olsson	3287-000	Digester 3 Ground Rod	10/14/2021		\$ 7,269.16
30	Olsson	3220-000	New Fiber Conduits at East Electrical and Storm Water Buildings	10/14/2021		\$ 8,045.43
31	Olsson	3220-000	Plant 2 Primary Influent Channel Repair Credit	12/9/2021		\$ (15,903.00)

<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>
32	Olsson	3220-000	Plant 1 and 2 Telescoping Valve Pipe Supports	12/9/2021		\$ 6,132.27
33	Olsson	3287-000	4" Gas Line Routing Modifications	12/9/2021		\$ 18,146.07
34	Olsson	3287-000	Gas Mixer Conduit Conflict	12/9/2021		\$ 12,383.89
35	Olsson	3220-000	P1 Primary Tanks 5 and 6 Temporary Power	3/10/2022		\$ 7,256.05
36	Olsson	3220-000	P1 Primary Tanks Skimmers Starter Modification	3/10/2022		\$ 45,374.13
37	Olsson	3220-000	P1 Primary Tanks Hopper Wall Coating	3/10/2022		\$ 34,505.41
38	Olsson	3220-000	P1 Effluent Channel Conduit Conflict	3/10/2022		\$ 9,274.98
39	Olsson	3220-000	P1 Primary Tanks Torque Limit Switch	3/10/2022		\$ 7,149.86
40	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	3/10/2022		\$ (2,309.09)
41	Olsson	3287-000	DAFT 2 Repair	3/10/2022		\$ 59,403.53
42	Olsson	3287-000	Digesters 1 and 2 Heat Exchanger Layout Reconfiguration Electrical	6/2/2022	1	\$ 12,885.18
43	Olsson	3287-000	Digester 3 Heat Exchanger Hot Water Loop Tie-In	6/2/2022		\$ 2,774.58
44	Olsson	3220-000	Plant 1 Primary Basin 1 Shutdown Repair Work	6/2/2022		\$ 1,009.86

<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>
45	Olsson	3287-000	Replace Compressor Line and Valve at Digester 4	6/2/2022		\$ 10,762.85
46	Olsson	3220-000	Plant 2 Influent Gates Removal and Concrete Demo	6/2/2022		\$ 5,389.66
47	Olsson	3287-000	DAFT 2 Launder Support Detail	6/9/2022		\$ 45,682.30
48	Olsson	3220-000	Plant 1 Primary Basins 1, 2, 5 and 6 Coating Removal	6/9/2022		\$ 111,101.16
49	Olsson	3220-000	Plant 1 Primary Basins 1, 2, 5 and 6 Existing Equipment Removal and Reinstallation	6/9/2022		\$ 71,864.17
50	Olsson	3287-000	Digester Mixing Pumps Control Programming Change	8/4/2022		\$ 4,397.77
51	Olsson	3220-000	Plant 1 Primary Basins Skimmers I/O Connection and Programming Change	8/4/2022		\$ 14,237.83
52	Olsson	3287-000	Fiber Patch Cables to Connect the Centrifuge PLC to the Centrifuge Patch Panel	8/4/2022		\$ 3,755.90
53	Olsson	3220-000	Plant 1 Primary Basins 3 and 4 Coating Removal	8/4/2022		\$ 43,222.24

<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>
54	Olsson	3220-000	Plant 1 Secondary Basins Concrete Structural and Basins 2 and 3 Drive Plate Rework	8/4/2022		\$ 20,860.16
55	Olsson	3220-000	Plant 2 Primary Basins Repair and Rehab of Head-Shaft Bearings	8/4/2022		\$ 4,618.44
56	Olsson	3231-000	Board SOCWA Front Office with Plywood to Cover Windows	8/4/2022		\$ 3,305.76
57	Olsson	3220-000	Seal the Openings at Plant 1 Primary Influent and Effluent Channels	8/4/2022		\$ 25,491.03
58	Olsson	3220-000	Plant 1 Primary Basins 3 and 4 Existing Equipment Removal and Reinstallation	9/1/2022		\$ 26,498.32
59	Olsson	3220-000	Plant 1 Secondary Basins Existing Embedded Metal Plates	9/1/2022		\$ 4,290.48
60	Olsson	3220-000	Plant 2 Primary Baffle Frame Replacement	9/1/2022		\$ 18,291.57
61	Olsson	3287-000	Digester hatch connection, temperature guage adjustment, and potholing	11/3/2022		\$ 9,971.62

<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>
62	Olsson	3220-000	Plant 1 Primary and Secondary Basins crack injection, concrete repair, channel cleaning, solids removal	11/3/2022		\$ 146,734.55
63	Olsson	3287-000	Boiler Room Modifications	12/8/2022		\$ 14,797.83
64	Olsson	3287-000	DAFT 1 Repair	12/8/2022		\$ 66,992.33
65	Olsson	3220-000	Secondary Clarifier Telescoping Valve Modifications (Design Error)	12/8/2022		\$ 32,709.94
66	Olsson	3287-000	Digester Control Buildings Modifications	2/2/2023		\$ 9,746.81
67	Olsson	3220-000	Plant 1 and 2 Field Obstructions	2/2/2023		\$ 8,871.74
68	Olsson	3287-000	MCC-F1 Site Modifications	2/2/2023		\$ 57,233.12
69	Olsson	3287-000	DAFT and TWAS area additional slab modification and piping material change	2/2/2023		\$ 19,368.58
70	Olsson	3287-000	DAFT 1 Area Reconfiguration	3/2/2023		\$ 3,046.43
71	Olsson	3287-000	Digester 2 Hot Water Loop Change	3/2/2023		\$ 29,525.46
Duduct-Common	Olsson	3231-000	Energy Building Monorail System Descope (F1-F4)	8/4/2022		\$ (70,585.34)
Duduct-Liquids	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	8/4/2022		\$ (483,605.73)

<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>
Duduct-Solids	Olsson	3287-000	Energy Building Modifications Descope (G1-G2, & H1-H2)	8/4/2022		\$ (357,382.60)
HAL 01	Hallsten	3220-000	Cover Layout Modifications	8/4/2022		\$ 16,715.25
Approved by Board of Directors (Amendments)						\$ 1,651,288.00
1CM Common	Butier	3231-000	CM Change Order No. 1	7/13/2021		\$ 48,995.00
1CM Liquids	Butier	3220-000	CM Change Order No. 1	7/13/2021		\$ 294,125.00
1CM Solids	Butier	3287-000	CM Change Order No. 1	7/13/2021		\$ 269,595.00
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	6/3/2021		\$ 18,210.00
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	6/3/2021		\$ 109,256.00
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	6/3/2021		\$ 100,151.00
1G Common	Ninyo & Moore	3231-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 5,400.00
1G Liquids	Ninyo & Moore	3220-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
1G Solids	Ninyo & Moore	3287-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
2CM Liquids	Butier	3220-000	CM Change Order No 2	5/12/2022		\$ 196,268.00
2CM Solids	Butier	3287-000	CM Change Order No. 2	5/12/2022		\$ 196,268.00
2ESDC Common	Carollo	3231-000	ESDC Change Order No. 2	12/9/2021		\$ 11,075.00
2ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 2	12/9/2021		\$ 196,440.00
2ESDC Solids	Carollo	3287-000	ESDC Change Order No. 2	12/9/2021		\$ 180,905.00
Potential Change						\$ 258,000.00
PCO 005	Olsson	3287-000	TWAS Slab Modifications	3/9/2023		\$ 50,000.00

<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>
PCO 038	Olsson	3287-000	Existing Valves at Digester 4 Heat Exchanger	(blank)		\$ 5,000.00
PCO 047	Olsson	3287-000	Digester 3/4 Control Building Tee Replacement	(blank)		\$ 5,000.00
PCO 054	Olsson	3220-000	Plant 1 Primary Effluent Channel Wall Corrosion	(blank)		\$ 5,000.00
PCO 055	Olsson	3287-000	Additional Concrete Repair behind Digesters 1 & 2	(blank)		\$ 7,500.00
PCO 057	Olsson	3220-000	Recoating of Basin Drive Shaft Steel Plates	(blank)		\$ 10,000.00
PCO 058	Olsson	3220-000	Aluminum Kickplate at Aeration Basins	(blank)		\$ 5,000.00
PCO 061	Olsson	3220-000	Steel Plate Coating and Blasting Extra Work	(blank)		\$ 7,000.00
PCO 063	Olsson	3220-000	Concrete Repair at Secondary Basin Drive Units	(blank)		\$ 8,000.00
PCO 064	Olsson	3220-000	Effluent Channel FA Duct Footing Conflicts	(blank)		\$ 5,000.00
PCO 068	Olsson	3287-000	Chopper Pump Impeller Issues	(blank)		\$ 5,000.00
PCO 070	Olsson	3220-000	Tread Plate-Slide Gate Conflicts at Effluent Channel	(blank)		\$ 5,000.00
PCO 071	Olsson	3220-000	Effluent Channel Unforeseen Existing Conduit	(blank)		\$ 5,000.00
PCO 072	Olsson	3287-000	Existing Conflicts at DAFT 2 Stairs	(blank)		\$ 2,000.00
PCO 075	Olsson	3220-000	Bypass Pumping Plan Issues	(blank)		\$ 100,000.00

<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>
PCO 083	Olsson	3220-000	Replacing the P1 Head Shaft Plate	(blank)		\$ 5,000.00
PCO 095	Olsson	3287-000	Foul Air Rerouting at DAFT 2	9/2/2021		\$ 5,000.00
PCO 106	Olsson	3287-000	DAFT 2 Isolation Valve	(blank)		\$ 5,000.00
PCO 109	Olsson	3220-000	P1P Influent Channel Scum Gate Openings	(blank)		\$ 2,500.00
PCO 121	Olsson	3287-000	DAFT 1 Additional Repair - Flange	(blank)		\$ 3,000.00
PCO 140	Olsson	3287-000	DAFT 1-TWAS Changes	(blank)		\$ 10,000.00
PCO 143	Olsson	3287-000	Revisions to DG Line	(blank)		\$ 3,000.00
Grand Total					191	\$ 3,227,871.14

Agenda Item

5.I.

Budgeted: Yes

Line Item: PC-2, 15, and 17 Line 5057

Legal Counsel Review: No

Meeting Date: April 6, 2023

TO: Board of Directors

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

SUBJECT: Hach 1-Year NITRATAX Plus Probe Service Contract \$12,232.00 [Project Committees 2, 15, and 17]

Summary

This agenda item provides a recommendation to authorize the General Manager to execute a sole source annual contract with Hach for a 1-year service contract to service the eight (8) nitrate probes used at the three SOCWA treatment plants.

Discussion/Analysis

The nitrate probes are used to monitor and help control the wastewater processes at each treatment plant. The real-time data from these probes allows the operational staff to adjust the biological processes regularly to ensure compliance with the NPDES permits.

The annual service contract helps ensure the probes are functioning properly, regularly serviced, and quickly repaired.

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

None

Fiscal Impact

Per SOCWA's Uniform Purchasing Policy and Procedures, sole source and non-discretionary purchases over \$50,000 are to be reviewed and approved by the Board of Directors. This sole-source purchase could be considered serial in nature because SOCWA is limited to a single vendor for these annual services.

The allocations by PC and Member Agency are presented below:

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Service Contract Costs by Project Committee

PC	Probes Per Site	Annual Cost
2	3	\$4,587.00
15	2	\$3,058.00
17	3	\$4,587.00
Total	8	\$12,232.00

PC2 O&M Liquids Allocation By Agency

Agency	Budget Allocation % ⁽¹⁾	Contract Costs
CSJC/SMWD	64.26%	\$2,947.61
MNWD	16.64%	\$763.28
SCWD	19.10%	\$876.12
Total	100.00%	\$4,587.00

⁽¹⁾ FY2022-23 Budget Book

PC15 O&M Liquids Allocation By Agency

Agency	Budget Allocation % ⁽¹⁾	Contract Costs
CLB	55.21%	\$1,688.32
EBSD	2.21%	\$67.58
MNWD	0.00%	\$0.00
SCWD	42.58%	\$1,302.10
Total	100.00%	\$3,058.00

⁽¹⁾ FY2022-23 Budget Book

PC17 O&M Liquids Allocation By Agency

Agency	Budget Allocation % ⁽¹⁾	Contract Costs
CLB	0.06%	\$2.75
EBSD	0.01%	\$0.46
ETWD	0.20%	\$9.17
MNWD	99.68%	\$4,572.32
SCWD	0.05%	\$2.29
Total	100.00%	\$4,587.00

⁽¹⁾ FY2022-23 Budget Book

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SOCWA Agencies Cost Summary

Agency	Contract Costs
CLB	\$1,691.07
CSJC/SMWD	\$2,947.61
EBSB	\$68.04
ETWD	\$9.17
MNWD	\$5,335.60
SCWD	\$2,180.51
Total	\$12,232.00

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager purchasing authority to execute a sole source contract with Hach for a 1-year service contract to service the eight (8) NITRATAX Plus Probes \$12,232.00 plus tax and shipping determined at the time of shipping.

Agenda Item

5.J.

Budgeted: Yes

Budget amount: \$671,572

Line Item: PC 2, 15, and 17 - Line Items 5006 and 5009

Legal Counsel Review: No

Meeting Date: April 6, 2023

TO: Board of Directors

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

SUBJECT: Chlor-alkali Products Sodium Hydroxide (Caustic Soda) 6-month Contract Extension [Project Committee Nos. 2, 15, and 17]

Summary

In September 2022, SOCWA requested proposals to supply and deliver chlor-alkali products for use at the South Orange County Wastewater Authority (SOCWA), City of San Clemente (CSC), Moulton Niguel Water District (MNWD), Santa Margarita Water District (SMWD), Trabuco Canyon Water District (TCWD), El Toro Water District (ETWD), and Irvine Ranch Water District (IRWD) with the intent of securing a new contract.

The best-value contract approved for sodium hydroxide (caustic) was only for six-month due to market and global supply chain volatility.

Discussion/Analysis

There are up to three (3) 6-month extensions to purchase caustic remaining under the existing contract with Northstar. Northstar has offered no changes in pricing for the next 6-month period.

Prior Related Project Committee or Board Action(s)

In September 2022, the Board authorized the General Manager to enter into a contract with Northstar Chemical, Inc. (a DBA of Pacific Star Chemical, LLC.) for sodium hydroxide products for six months with up to three (3) additional six (6) month renewals.

Fiscal Impact

None

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to exercise the first of three (3) six 6-month renewals with Northstar Chemical, Inc. (a DBA of Pacific Star Chemical, LLC.) at the current pricing.

/attachment: Northstar Proposal dated February 24, 2023

February 24, 2023

Jeanette Cotinola
SOCWA Contracts Administrator
34156 Del Obispo St
Dana Point CA 92629
949-234-5430

Subject: RFP OPS 22-001 SUPPLY and Delivery of Chlor Alkali Products between SOCWA and Northstar Chemical as a dba of Pacific Star Chemical LLC.

Dear Jeanette:

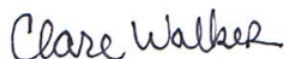
Per our current agreement for the Sodium Hydroxide supplied to SOCWA and the other agencies on the RFP, we have reviewed our pricing and can extend for another 6 months without any price changes.

The pricing we offer will be firm for 6 months starting 6/1/23 through 11/6/23 with 90-day notice for price change for next 6 months, based on mutually agreed upon pricing due to market conditions. We agree to 2 additional six-month extension potentials.

Please let me know any questions you might have.

Sincere Regards,

Clare Walker



Director of Sales
Cwalker@northstarchemical.com
925-787-5864

South Orange County Wastewater Authority RFP OPS 22-001
Chlor Alkali Pricing Matrix

Sodium Hydroxide

Delivery Sizes		Pacific/Northstar Comments	Pricing 6/1/23-11/6/23
Sodium Hydroxide - 50%	(1-500 gals)	SOCWA	\$5.20
Sodium Hydroxide - 50%	(501-1000 gals)	SOCWA JBL-CTP/S. Clemente	\$4.45
Sodium Hydroxide - 50%	(1001-2000 gals)	SOCWA JBL-RTP/S. Clemente/S Margarita	\$3.99
Sodium Hydroxide - 50%	(2001-3000 gals)	SOCWA RTP/S. Margarita	\$3.60
Sodium Hydroxide - 50%	(3001-4000 gals) full bulk	No Deliveries	\$2.98
Sodium Hydroxide - 30%	(1-500 gals)	No Deliveries	\$3.63
Sodium Hydroxide - 30%	(501-700 gal)	No Deliveries	\$3.18
Sodium Hydroxide - 30%	(701-1000 gals)	No Deliveries	\$2.85
Sodium Hydroxide - 30%	(1001-2000 gals)	Irvine	\$2.43
Sodium Hydroxide - 30%	(2001-3000 gals)	No Deliveries	\$2.19
Sodium Hydroxide - 30%	(3001-4000) gals	No Deliveries	\$2.14
Sodium Hydroxide - 30%	4000-4500 gal Full load	No Deliveries	\$1.80
Sodium Hydroxide - 25%	(900-1500 gals)	S Margarita	\$2.30

6-month firm pricing with 90-day notice for next 6-month price change based on market conditions. Pricing includes fuel surcharge but does not include any applicable mill or sales tax.

Split load pricing \$60/stop after 1 free; additional unloading time \$80/hour

Clare Walker

Clare Walker

Director of Sales

Supplemental Charges:

Miscellaneous Charges

1. Split Loads:

Per Stop: (total unloading time of 2 hours) \$60/stop-after 1 free stop.
Additional Unloading Time: \$80/per hour

2. Fuel Surcharge: (No additional) Included in delivered pricing.

Notes:

Prices do not include applicable sales tax

- SOCWA entities are responsible to pay applicable sales tax

Agenda Item

5.K.

Budgeted: Small Capital

Line Item: PC-17 Project #2723-022

Legal Counsel Review: No

Meeting Date: April 6, 2023

TO: Board of Directors

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

SUBJECT: Small Capital Digester Gas Condensate and Drain Valves from Environmental Water Solutions, Inc. (EWS) for over \$50,000 (plus shipping, taxes, and fees) [Project Committee 17]

Summary

This agenda item is to ratify a purchase over \$50,000 authorized by the Acting General Manager under emergency repairs under Section VIII of SOCWA's Uniform Purchasing Policy and Procedures, Emergency Purchases and Repairs.

Discussion/Analysis

The current digester gas condensate and drain valves at the Regional Treatment Plant are corroded and in critical need of replacement. SOCWA staff found a digester gas condensate drain system on March 3, 2023. The vendor that supplies the valve system had one in stock but would only provide a quote that was only valid for 10 days. The equipment price is \$48,950.00 prior to shipping and handling and is within the General Manager's purchasing authority. However, with the shipping and handling to be determined at the time of shipping, it is anticipated that the final purchase price will exceed the General Manager's purchasing authority of \$50,000.

Due to the critical nature of the repair and the short timeline of the vendor quote, SOCWA staff contacted SOCWA's Chair, Matt Collings, to authorize the Acting General Manager to initiate a purchase under Section VIII, Emergency Purchases and Repairs.

Environmental Water Solutions, Inc. is the supplier of the Varac digester gas condensate and drain valves in California and is the only vendor available to SOCWA for the replacement equipment.

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

None

Fiscal Impact

Per SOCWA's Uniform Purchasing Policy and Procedures, sole source and non-discretionary purchases over \$50,000 are to be reviewed and approved by the Board of Directors.

This capital purchase is located in the solids area of RTP. Therefore, the costs will be allocated using the solids ownership allocations for RTP.

Agency	Cap. Ownership	Allocation
CLB	11.22%	\$5,492.19
EBSD	0.59%	\$288.81
ETWD	20.41%	\$9,990.70
MNWD	58.82%	\$28,792.39
SCWD	8.96%	\$4,385.92
Total	100.00%	\$48,950.00

Actual shipping costs and applicable fees will be added to the expenses allocated when the final invoice is received.

Recommended Action: Staff recommends that the Board of Directors ratify the authorization for the General Manager to purchase the Digester Gas Condensate and Drain Valves from EWS for \$48,950.00 plus actual shipping costs and applicable fees determined at the time of shipping with a total cost anticipated cost to be over \$50,000.

Agenda Item

5.L.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

SUBJECT: Contract Award for Coastal Treatment Plant (CTP) AWMA Road
Guardrail Replacement Project [Project Committee 15]

Overview

Sections of the guardrail along AWMA Road near the Coastal Treatment Plant were damaged in the Coastal Fire in May 2022. The photo below shows burnt posts that are meant to support the guardrail.



Figure 1: Fire Damaged Guardrail

The purpose of the guardrail is to prevent vehicles from accidentally falling into the creek. The project scope is to replace 510 linear feet of damaged guardrail at two locations along AWMA Road. The new guardrail will be located in the same location as the existing and no clearing or earthwork is required. Based on our previous California Coastal Commission permitting efforts, this work is considered exempt from permits.

Bids

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

The bids ranged from \$48,770 to \$78,540. Staff believes the range in bids is because guardrail is a specialty type of work. The low bidder, Danny C. Hubbs Construction, lists guardrail installation

as a core competency on their website. Other bidders had subcontractors listed for the guardrail work. This is likely the reason for the variance in price.

Table 1 – Summary of Bids

AWMA Road Guardrail Replacement	Danny C. Hubbs	Oppenheimer National	SS Mechanical	Vicon Enterprise	Gentry General Engineering	Filanc
Replace 290 LF of Guardrail at Location 1	\$25,230	\$32,190	\$33,115	\$35,540	\$41,180	\$44,660
Replace 220 LF of Guardrail at Location 2	\$23,540	\$24,420	\$26,510	\$26,961	\$31,240	\$33,880
Total Bid	\$48,770	\$56,610	\$59,625	\$62,501	\$72,420	\$78,540

Contingency

The guardrail work is not anticipated to begin until mid-April. Between now and mid-April, it is unknown what site conditions could change that could result in additional work required by the contractor. For example, the recent storms have caused mud to accumulate on and next to AWMA Road. The County recently installed silt fencing along parts of the road to prevent mud from flowing to the creek.

For this reason, staff is requesting a project contingency of \$10,000. This contingency is intended to be used for contractor change orders or pre-construction work to prevent change orders, such as removing mud and silt fences to allow contractor access.

Cost Allocation

The cost allocation for the construction and contingency is shown in Table 2.

Table 2 – Cost Allocation by Member Agency

Agency	Construction	Contingency	Total
City of Laguna Beach	\$18,488.71	\$3,791.00	\$22,279.71
Emerald Bay Service District	\$1,455.78	\$298.50	\$1,754.28
Moulton Niguel Water District	\$14,267.18	\$2,925.40	\$17,192.58
South Coast Water District	\$14,558.33	\$2,985.10	\$17,543.43
Total	\$48,770.00	\$10,000.00	\$58,770.00

This work is funded by an existing project for AWMA Road (3528-000). The project has enough funds collected to cover this work. Table 3 shows the project funding.

Table 3 – Available Funds for Project 3528-000

Funds Available	Construction	Contingency	Remaining Funds
\$100,023	\$48,770	\$10,000	\$41,253

Prior Related Project Committee or Board Action (s)

This item was reviewed by the Engineering Committee on March 9, 2023.

Recommended Action: The Engineering Committee recommends that the PC 15 Board of Directors approve the contract to Danny C. Hubbs in the amount of \$48,770 for the Coastal Treatment Plant AWMA Road Guardrail Replacement Project with a contingency of \$10,000.

Agenda Item

5.M.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

SUBJECT: Contract Award for Regional Treatment Plant (RTP) Cogen Engine Black Start Operation Upgrade [Project Committee 17]

Overview

Staff requested a quote from Western Energy to upgrade the cogeneration engine (cogen) with black start capabilities. Western Energy is the authorized representative for the cogen. The project scope includes:

- Modifying the existing control panel and installing a new controller and program.
- Modifying breakers and relays.
- Verifying breaker functions during a power loss
- Verifying the engine will start on batteries.

Analysis/Discussion

Staff is currently reviewing the draft findings of a power system study. The study analyzed various emergency power configurations that can be implemented at RTP. "Black start" capabilities were one of the options considered and recommended by Carollo.

The project will allow additional critical facilities to be powered during utility outages and will expedite the recovery of RTP once power is restored. Thus, staff is requesting to move forward with the effort.

Fiscal Impact

The cost allocation for the construction and contingency is shown in Table 2. This is a PC 17 Solids project. This work is funded by an existing project for cogeneration system modifications (3773-000). The project has enough funds collected to cover this work.

The Western Energy quote is for \$71,828.51, but it excludes shipping, fees, and tax. Staff requests a contract value of \$75,000 to cover these expenses.

Table 1 – Cost Allocation

Member Agency	Allocation
City of Laguna Beach	\$8,415.00
El Toro Water District	\$15,307.50
Emerald Bay Service District	\$442.50
Moulton Niguel Water District	\$44,115.00
South Coast Water District	\$6,720.00
Total	\$75,000.00

Prior Related Project Committee or Board Action (s)

At the November 10, 2022, Engineering Committee meeting, staff gave a presentation about the RTP emergency power system. The current configuration of the cogen does not allow for it to power the plant during a utility power outage. In order for the cogen system to provide power during a utility power outage, it needs to be modified to allow for a “black start.” This is the ability to start and run the engine without utility power.

This item was reviewed by the Engineering Committee on March 9, 2023.

Recommended Action: The Engineering Committee recommends that the PC 17 Board of Directors award the contract to Wester Energy in the amount of \$75,000 for the Cogen Engine Black Start Operation Upgrade Project.

Agenda Item

5.N.

Board of Directors Meeting

Meeting Date: April 6, 2023

TO: Board of Directors

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

STAFF CONTACTS: David Baranowski, Director of Engineering

SUBJECT: Contract Award for Coastal Treatment Plant (CTP) Drainage Pump Station Conceptual Design [Project Committee 15]

Overview

The Drainage Pump Station (DPS) at the Coastal Treatment Plant was last modified in 1987, and the equipment has reached the end of its useful life. The DPS was planned to be replaced with a new station as part of the 2019 Facility Improvements Project. However, during construction, it was discovered that field conditions would not allow for the construction of the new station as designed. Engineering and Operations staff have met to discuss various options to repair or replace the DPS and have agreed that rehabilitating the existing station is the preferred approach. A full station rehabilitation would include new pumps, piping, electrical equipment, and structural modifications.

The scope of work for the project includes the following:

- Condition assessment of the wet well, including concrete cores and pH testing
- Evaluations of various facility features, including pump configuration, discharge piping location, electrical equipment, code compliance, containment, and construction sequencing
- Preliminary designs and layouts
- Construction cost estimate
- Workshops, memos, and reports

Proposals

SOCWA requested proposals from the following firms to provide a condition assessment of the existing facility and provide a conceptual design for a station rehabilitation.

- Black and Veatch
- Brown and Caldwell
- Hazen and Sawyer
- Tetra Tech

One proposal was received and is summarized below in Table 1. Staff reached out to the firms that did not propose and were told that the timing of the work did not fit with their workloads.

Table 1 – Summary of Proposal(s)

Firm	Tetra Tech
Project Manager	Tom Epperson
Total Labor Hours	866
Total Cost	\$176,000

Cost Allocation

Cost allocations for the proposed fee and revised fee are shown in Table 2. Staff recommends proceeding with the conceptual design fee, but staff included the preliminary design fee in the table in case the committee prefers the preliminary design. The available funds for this project are shown in Table 3.

Table 2 – Cost allocation by member agency

Agency	Drainage Pump Station Conceptual Design
	3522AL-000
City of Laguna Beach	\$66,722.39
Emerald Bay Service District	\$5,253.73
Moulton Niguel Water District	\$51,486.57
South Coast Water District	\$52,537.31
Total	\$176,000.00

Table 3 – Available budget for 3522AL-000

Carryover Funds	FY 22/23 Budget	Total Available Budget
\$49,200	\$125,000	\$174,200

The available funds will cover all but \$1,800 of the proposal. This work will start this fiscal year but will not finish until next fiscal year. Additional budget is included in the next fiscal year budget proposal to cover the additional funds needed.

Prior Related Project Committee or Board Action (s)

This item was reviewed by the Engineering Committee on March 9, 2023.

Recommended Action: The Engineering Committee recommends that the PC 15 Board of Directors award the contract to Tetra Tech in the amount of \$176,000 for the Coastal Treatment Plant Drainage Pump Station Conceptual Design Project.

Agenda Item

6.C.

Board of Directors Meeting

Meeting Date: April 6, 2023

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

ADMINISTRATION

Member Agency Requests

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

- OCEA Representatives held their third meeting with MNWD, SMWD, and SCWD Board members and Managers to discuss the upcoming proposals with SOCWA-represented employees.
- SOCWA staff attended the Tri-District Joint Board Meeting held on March 23, 2023, at MNWD Offices.
- SOCWA Chair and Vice Chair:
 - The SOCWA Chair and Vice Chair held their second meeting with all the SOCWA staff at an All Hands meeting to provide an update and ask questions about the Blueprint proposal, the process(es) they were using for reviewing the Blueprint proposal, and potential timelines for the review process.
- SNMP/Water Quality Meetings
- City of Laguna Beach:
- Moulton Niguel Water District:
- Trabuco County Water District:
 - SOCWA staff continued to meet with TCWD staff to review and update the proposed TCWD termination and services contracting agreement.
- Santa Margarita Water District:
- South Coast Water District:
- SOCWA staff have met with SMWD, MNWD, and SCWD on information requests related to the Blueprint provided by MNWD and MNWD at the January 5, 2023, meeting.
 - SOCWA staff met with SCWD staff regarding their upcoming Maintenance Building renovation project next to JBL.

Legal Services Cost Increase

The Varner Brandt Law Firm has provided SOCWA with a notice of rate changes for its Attorney Fees for the coming year. The fee increases are 7.27%. The notice letter is attached herewith; however, a 20% discount is applied to each bill.

Ocean Acidification and Hypoxia

At the March 21, 2023, State Water Resources Control Board (SWRCB) hearing, on Agenda Item 2, the Southern Coastal (SCCWRP) provided results of published studies and interim studies that implicate wastewater dischargers in exacerbation of ocean acidification and hypoxia in the Southern California Bight. The following non-governmental organizations provided additional testimony claiming that the science is settled despite the paucity of additional research entities with similar findings: National Resources Defense Council, Coastkeeper's, and Heal the Bay. CASA and SOCWA staff provided presentations related to engagement on this issue and information that there are two key omissions in the model that have not been settled based on our technical review: underprediction of dilution at the outfalls and omission of light scattering within the water column.

SOCWA has requested a technical response to the report from Michael Baker International from SCCWRP, which was provided to SCCWRP in December 2022 but has not received any technical response. SCCWRP has indicated that they disagree with the technical findings and prefer to wait for the independent review of the model, which is expected to occur in 18-24 months. However, the SWRCB intends to use the model as a line of evidence as indicated in the staff report, Section 3.10.3 here:

https://www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/2024_integrated_report/draft-2024-IR-staff-report.pdf

The excerpt from Section 3.10.3 states the following:

"Further, additional metrics and data sources are being considered for the OA assessments in future listing cycles. These include model outputs from SCCWRP using the Regional Ocean Modeling System + Biogeochemical Elemental Cycling ("ROMSBEC"), which may be used in the future once peer reviewed. The ROMS-BEC model output results are expected to improve understanding of waterbody conditions estimating acidity, hypoxia, and habitat compression. Additional ROMS-BEC model outputs may also illustrate the pre-industrial baseline for aragonite saturation state to compare against modern levels."

SOCWA is working on a comment letter to the SWRCB on the 2024 Integrated Report, which will include the technical report by Michael Baker International listing the deficiencies in the ROMS-BEC model. The SDRWQCB has requested SOCWA to work with SCCWRP on the update to the model. To that end, SOCWA has received a proposal to update the code in the ROMS-BEC model to fix the omissions. SOCWA staff are working through the details of the model update and expect to bring the code update as a budget adjustment to the May 2023 SOCWA Board meeting.

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OPERATIONS

CTP Access Roads Update

The access roads to the Coastal Treatment Plant have been heavily impacted by the rains in the burn scar areas. The stormwater BMP implemented by the County of Orange has been ineffective and/or made road conditions unsafe. Thus, SOCWA staff have been required to regularly remove debris from the paved road after each storm to maintain access to the site. The County of Orange is also aware that the trail/utility road over the sludge export line on the east bank of Aliso Creek now has several feet of debris on the decomposed granite trail. SOCWA staff will continue to meet with the County of Orange staff until these impacts have been fully mitigated.



Photo 1: Paved Access Road after a Storm



Photo 2: Buried East Access Road/Trail

TCWD Termination Proposed Agreement

SOCWA Board Meeting
4-6-2023

TCWD Termination Agreement

- ▶ Why is an agreement needed?
 - TCWD has opted to withdraw and there on-going obligations to be settled:
 - OPEB
 - UAL
 - Interim recycled water and SNMP services needed until TCWD receives its own recycled water permit.
 - Future permit services for SNMP permit work
 - Request for other future services:
 - Participate in future bulk chemical/Biosolids contracting.

OPEB and UAL Costs

- ▶ Methodology presented at last Finance Committee
- ▶ Method based on CalPERS method
 - Costs stable and the value not the method is proposed for the agreement.

Recycled and SNMP Services – T&M

- ▶ Currently determined to be about \$209 per hour for SOCWA costs (of proportionate share of total hours)
 - Salary, benefits, and SOCWA admin
 - No office costs
 - Question: Should a premium be added like 5%?
- ▶ Special projects will require new agreements
- ▶ Direct costs to be shared proportionately based on PC12 membership plus TCWD (as is today)
- ▶ Escalators and ability to correct fees in the future.

Bulk Chemical/Biosolids Contracts

- ▶ About \$10,000 for each major contract effort
- ▶ Proportional share of agencies participating in any RFP.
- ▶ Escalated in future by CPI.
- ▶ SOCWA has requested language to include TCWD under “best efforts.”

Other items

- ▶ Indemnity (in progress)
- ▶ General fund
 - No participation
- ▶ Administration fund
 - The admin rate on the employee's hourly rate and to direct costs proportionally (as is done today)
 - Neutral impact

Questions

Supporting data

- ▶ OPEB/UAL \$20,813 calculated in February
- ▶ General Fund \$11,242
- ▶ Admin Fund est. neutral (labor and direct costs to include)

SOCWA Withdrawal and Continued Services Agreement (TCWD-SOCWA)

This SOCWA Withdrawal and Continued Services Agreement (“**Agreement**”) is dated _____, 2023 (“**Effective Date**”) and is between Trabuco Canyon Water District (“**TCWD**”), the South Orange County Wastewater Authority (“**SOCWA**”), and each of SOCWA’s other **Member Agencies** as that term is defined below.

A. Overview. The *Joint Exercise of Powers Agreement Creating South Orange County Wastewater Authority* (“**SOCWA**”) dated July 1, 2001 (the “**Joint Powers Agreement**”) created a joint powers agency made up of several wastewater service providers within the San Juan Creek and/or Aliso Creek watershed. The nine current members of SOCWA are the City of Laguna Beach, the City of San Clemente, El Toro Water District, Emerald Bay Services District, Irvine Ranch Water District, Moulton Niguel Water District, Santa Margarita Water District, South Coast Water District, and TCWD (collectively, the “**Member Agencies**”). SOCWA owns and operates wastewater treatment facilities, transmission mains, and outfalls on behalf of its Member Agencies, and facilitates a recycled water reuse permit compliance, monitoring, and reporting program.

B. TCWD Project Committee Participation. Where a SOCWA activity, project, or facility involves less than all of SOCWA’s Member Agencies, the affected Member Agencies form a “**Project Committee**” (or “**PC**”) that is responsible for overseeing that activity, project, or facility. TCWD is currently a member of PC 12 (formerly known as PC No. 2SO), which handles the activity of joint recycled water permit compliance, monitoring, and reporting for four of the Member Agencies: TCWD, Moulton Niguel Water District, Santa Margarita Water District, and South Coast Water District. The SOCWA recycled water permit, Order No. 97-52, covers TCWD’s Robinson Ranch Water Recycling Plant and related recycled water distribution and use system. TCWD’s recycled water program is the smallest of the members, representing approximately 6% of the total SOCWA-permitted service area recycled water by volume.

C. TCWD Intent to Obtain Independent Recycling Permit. TCWD intends to ultimately obtain and manage its own recycled water permit from state/regional regulators, instead of participating in the joint recycled water permitting services offered by SOCWA¹. TCWD is advised that obtaining an independent permit may take up to 12-18 months.

D. TCWD Withdrawal from SOCWA. Upon obtaining an independent recycled water permit, TCWD will no longer benefit from most SOCWA activities, projects, or facilities. TCWD currently represents less than 1% of the total revenues and budget of SOCWA². TCWD has determined that, because >99% of the budget of SOCWA is not related to TCWD’s operations, that it would be in the best interests of both SOCWA and TCWD for TCWD to withdraw as a member of SOCWA. TCWD will satisfy its actuarial liability arising out of unfunded pension obligations (“**UAL**”) and other post-employment employment benefits (“**OPEB**”) obligations from its historic participation in PC 12 by making a lump sum payment equivalent to the actuarially-determined liability as provided in this Agreement.

¹ Three other SOCWA Member Agencies have independent recycled water permits: the City of San Clemente, El Toro Water District, and Irvine Ranch Water District. The latter two are former members of PC 12.

² TCWD represented only 0.25% of SOCWA’s budget in 2022-23 (\$61,528 out of \$23,670,816), and is projected to be only 0.18% of SOCWA’s budget in 2023-34 (\$44,780 out of \$24,641,183).

E. Interim Recycled Water Permitting Services. Given the uncertain time frame for TCWD to obtain an independent recycled water permit, and in order to facilitate the orderly transition from joint recycled water permitting under SOCWA to an independent recycled water permit, the parties intend for TCWD to immediately withdraw from SOCWA, and concurrently provide for SOCWA to continue to provide limited other services including participation in bulk purchasing and a salt and nutrient management plan, and in the medium-term to perform recycled water permit services for TCWD under contract instead of under the JPA until TCWD's independent permit is issued. This will avoid the potential for TCWD to have obtained an independent permit while still being a SOCWA member.

F. Purposes. The Parties intend by this Agreement to provide for (i) TCWD's withdrawal as a member agency from SOCWA; (ii) TCWD's payment of all UAL/OPEB liabilities associated with TCWD's historic membership in SOCWA; and (iii) SOCWA's temporary continued provision of recycled water permitting services; and (iv) SOCWA's continued provision of certain other special services on a contract basis.

AGREEMENT

The Member Agencies therefore agree as follows (Sections 1 through 4):

1. JPA Withdrawal.

1.1 As of the Effective Date, TCWD is no longer a member of SOCWA and therefore no longer a member of the SOCWA Board of Directors, Project Committee 12, or any other committee. The remaining Member Agencies consent to this withdrawal according to the terms and conditions of this Agreement.

1.2 The JPA is hereby amended to remove TCWD as a member of SOCWA or a party to the JPA.

1.3 TCWD shall pay to SOCWA all amounts owing to SOCWA that were incurred during its membership in SOCWA within 45 days after receipt of a closing invoice from SOCWA, subject to Section 9 (Liability; Indemnity).

2. **Effective Date.** This Agreement will become effective on the last date this Agreement is executed by the SOCWA and the Member Agencies. Regardless of the Effective Date, TCWD shall pay its SOCWA fourth quarter invoice for fiscal year 2022-23.

3. **UAL/OPEB Liability.** In recognition of TCWD's duty to pay to SOCWA the proportional amount of any UAL/OPEB public retirement system liability allocable to TCWD as of the Effective Date, TCWD shall pay to SOCWA within 45 days after the Effective Date the total amount of \$20,813, as the amount of such liability calculated by SOCWA's actuaries through June 30, 2023 as the anticipated Effective Date, or such amount as re-calculated for a later Effective Date, in full and final settlement of all outstanding UAL/OPEB liability to SOCWA, and upon receipt of that payment, TCWD will be deemed to have satisfied its UAL/OPEB obligations and SOCWA will be deemed to have released and discharged TCWD from any further liability for SOCWA's UAL/OPEB obligations.

4. **No JPA Costs.** After the Effective Date, TCWD will not have any responsibility to contribute toward any operational, maintenance, capital, or general fund costs incurred by SOCWA or its Member Agencies, except those costs directly arising out of or relating to the

Services, which will be proportional to the services received and identified in the annual use audit as part of the PC 12 costs (and include reasonable overhead and administration costs). If SOCWA does not adopt an annual use audit or budget, then the previous year's annual use audit figures will be used and later reconciled upon adoption of a use audit or budget.

TCWD and SOCWA hereby agree as follows (Sections 5 through 9):

5. Interim Recycled Water Permitting Services.

5.1 Services. Concurrently with TCWD's withdrawal, SOCWA shall provide recycled water permit compliance, monitoring, and reporting services ("**RW Services**") to TCWD pursuant to this Agreement. SOCWA shall perform the RW Services to the same level, to the same extent, and using the same standard of care as those RW Services were provided to TCWD prior to TCWD's withdrawal.

5.2 Duration. SOCWA shall provide the RW Services from the Effective Date until TCWD gives 30 days' notice to SOCWA that TCWD no longer requires SOCWA's RW Services.

6. **Salt and Nutrient Management Plan Services**. Concurrently with TCWD's withdrawal, SOCWA shall provide services related to development and approval of a Salt and Nutrient Management Plan ("**SNMP**") or other special studies related to production and distribution of recycled water³ ("**SNMP Services**"). SOCWA shall provide the SNMP Services from the Effective Date until TCWD and SOCWA mutually agree in writing that SOCWA shall no longer provide SNMP Services.

7. **Costs, Invoicing and Payment**. All general references to "**Services**" in this Agreement include both RW Services and SNMP Services. SOCWA shall invoice TCWD, on no less than a quarterly basis, for all of SOCWA's costs to provide the Services to TCWD. The costs will be allocated to TCWD based on SOCWA's budgeted direct costs, and on a time and materials basis according to the rates set forth in Exhibit 1 (these rates include reasonable overhead and administrative costs). The rates set forth in Exhibit 1 may be reviewed annually and revised to reflect increases in labor or other costs. If SOCWA desires to revise or increase its rates, SOCWA shall deliver with 30 days' notice a proposed revised Exhibit 1; which notice must identify the effective date of the new rates. TCWD will have 30 days from the date notice is delivered to object to the rate increase; if TCWD does not object, the new rates will become effective. If TCWD objects to the proposed new rates, TCWD and SOCWA shall meet and confer to discuss further. The Parties shall negotiate in good faith and TCWD shall not unreasonably refuse to increase time and materials contract service rates. In no event will SOCWA be prevented from increasing its time and material contract service rates by five percent (5%) or less annually. In no event will SOCWA be allowed to increase its time and material contract service rates by more than five percent (5%) without TCWD's consent. TCWD shall pay SOCWA's invoices for all Services under this Agreement by no later than 30 days' after receipt of SOCWA's invoice.

8. **SOCWA Bulk Purchases**. TCWD is currently a party to multiple contracts with SOCWA and other Member Agencies for bulk purchasing of services and supplies. SOCWA shall make best efforts to continue to allow for TCWD to participate in joint purchasing agreements offered to Member Agencies for chemicals, solids hauling, and other services that

³ For example, State Water Resources Control Board 13-267 investigative orders.

SOCWA negotiates with third party vendors. TCWD shall pay to SOCWA its proportional share of the estimated procurement costs for any such contract, based on the formula described in Exhibit 1.

9. Liability; Indemnity.

9.1 SOCWA shall indemnify, defend, and hold harmless TCWD from:

A. any claims, legal, regulatory, enforcement, or administrative actions ("**Claims**") arising out of or relating to the debts, liabilities, operations, obligations, or facilities owned or operated by SOCWA or any of its Project Committees (except PC 12) that arise on or after the Effective Date. The parties do not intend to release TCWD from its proportional liability for any Claims relating to TCWD's participation in SOCWA or PC 12 prior to the Effective Date.

B. Any Claims arising out of or related to SOCWA's Services on or after the Effective Date, except such Claims arising out of any acts or omissions of TCWD.

9.2 TCWD shall indemnify, defend, and hold harmless SOCWA from:

A. Any Claims that are directly attributable to TCWD's participation in PC 12 prior to the Effective Date.

B. Any Claims that are the result of TCWD's own acts or omissions that arise on or after the Effective Date.

C. TCWD's share of any Claims that arise while TCWD is a permittee under the SOCWA recycled use permit and that are shared liabilities deemed the responsibility of all permittees, except those Claims related to SOCWA Services under Section 8.1(B) above.

All Parties to this Agreement further agree as follows:

10. Effect on Prior Rights. The terms of this Agreement govern the parties and supersede all contrary terms in prior agreements between the parties, including but not limited to the Joint Powers Agreement.

11. Miscellaneous.

11.1 Integration, Amendment. This Agreement represents the entire understanding of the parties as to TCWD's withdrawal from SOCWA and concurrent interim contracting for the Services. To the extent that it contradicts or varies from this Agreement, no prior oral or written understanding will be of any force or effect with respect to the matters covered by this Agreement. Sections 1 through 4 of this Agreement cannot be modified except in a writing approved and executed by TCWD and the Member Agencies. Sections 5 through 9 of this Agreement cannot be modified except in a writing approved and executed by TCWD and SOCWA. Sections 10 through cannot be modified except in a writing approved and executed by the applicable parties.

11.2 Governing Law. This Agreement is governed by the laws of the State of California and will be construed as if drafted by all parties.

11.3 *Third Parties.* This Agreement does not create any third-party beneficiary or any rights in any person or party other than the parties.

11.4 *Signing Authority.* Each Party represents and warrants that each person or persons executing this Agreement on its behalf is duly authorized to do so by the respective Party and that this Agreement binds the parties.

11.5 *Notices.* Any written notice required by this Agreement must be made by U.S. mail or by reliable overnight courier and delivered to the following address, together with a courtesy copy by email:

To TCWD: Trabuco Canyon Water District
32003 Dove Canyon Dr.
Trabuco Canyon, CA 92679
Attn: General Manager
cc: by email to fpaludi@tcwd.ca.gov

With a Courtesy Copy by email to:
ccollins@hansonbridgett.com

To SOCWA and the other Member Agencies:

South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point CA 92629
Attn: General Manager

Any party may, by written notice to the others, designate a different address or addressee, which will be substituted immediately for that specified above.

11.6 *Severability.* If any provision of this Agreement, for any reason, is held to be invalid, illegal, or unenforceable in any respect, that invalidity, illegality, or unenforceability will not affect any other provision of this Agreement, but this Agreement will be construed as if the invalid, illegal, or unenforceable provision had never been set forth, and the remainder will be enforceable to the fullest extent permitted by law to effectuate the original intent of the Parties.

11.7 *Successors & Assigns.* The terms of this Agreement are binding upon and will inure to the benefit of and be enforceable by the respective successors and assigns of the parties.

11.8 *Counterparts.* This Agreement may be executed in counterparts, each of which is an original, but all of which together will constitute one and the same instrument.

The parties are signing this Agreement as of the Effective Date.

TRABUCO CANYON WATER DISTRICT

Dated: _____

By: _____
Fernando Paludi, General Manager

Approved as to Form:
Hanson Bridgett, LLP

By: _____
District Counsel

**SOUTH ORANGE COUNTY WASTEWATER
AUTHORITY**

Dated: _____

By: _____

Approved as to Form:

By: _____
Authority Counsel

[member agency consents follow]

SOCWA MEMBER AGENCIES' CONSENT

The Member Agencies of SOCWA hereby consent to the Assignment and Assumption Agreement. This consent is expressly conditioned upon and subject to the condition that such consent is not and shall not be construed as a waiver or release of any liability, obligation or contribution to which TCWD would otherwise be obligated if it had not withdrawn from SOCWA or any project committee of SOCWA and which arise out of, or relate in any way to any and all acts and/or failures to act preceding the date of TCWD's withdrawal from SOCWA. This consent is given on the express condition that TCWD accepts and agrees to this condition.

City of Laguna Beach

Dated: _____ By: _____

Print Name:

Title:

Approved as to Form:

By: _____

City Attorney

City of San Clemente

Dated: _____ By: _____

Print Name:

Title:

Approved as to Form:

By: _____

City Attorney

El Toro Water District

Dated: _____ By: _____

Dennis Cafferty, General Manager

Approved as to Form:

By: _____

District Counsel

Emerald Bay Services District

Dated: _____ By: _____

Print Name:
Title:

Approved as to Form:

By: _____
District Counsel

Irvine Ranch Water District

Dated: _____ By: _____

Paul A. Cook, General Manager

Approved as to Form:

By: _____
District Counsel

Moulton Niguel Water District

Dated: _____ By: _____

Print Name:
Title:

Approved as to Form:

By: _____
District Counsel

Santa Margarita Water District

Dated: _____ By: _____

Dan Ferons, General Manager

Approved as to Form:

By: _____
District Counsel

South Coast Water District

Dated: _____ By: _____
Rick Shintaku, General Manager

Approved as to Form:

By: _____
District Counsel

Accepted

Trabuco Canyon Water District

Dated: _____ By: _____
Fernando Paludi, General Manager

Exhibit 1 T&M Services Methodology Examples

Time and Materials Contract Services

Example Only		
A Cost-of-Service fully loaded rate will be used to value the labor costs of future services to Member agencies		
Hours	Hourly Labor Rate	\$ Amount
10.0	\$100.00	\$1,000.00
Fringe	52.2%	522.00
Labor and Fringe		\$1,522.00
Overhead	29.80%	298.05
O&M Costs		\$1,820.05
Admin	15.3%	278.47
Total Costs		\$2,098.52
Hourly Bill Rate		\$209.85

Materials–All Direct Costs will be invoiced based on participation.

Non-SOCWA Agencies' Proposed Contract Participation

- This includes staff labor (fully burdened) and legal counsel costs
 - Staff activities include:
 - Preparing/updating the RFP documents (including getting updated agency information, updating sections for new laws, reviewing and updating contract conditions, and/or adding more specificity to address vendor management issues)
 - Activities during the proposal period (job walks, responding to questions, interviews, proposal reviews, documenting the RFP process, BOFA's, etc.)
 - Preparing and presenting SOCWA Board materials
 - Executing contracts
 - No bid protest costs assumed
- No individual procurement cost tracking by SOCWA staff
- No Use Audit proposed for true up
- CPI LA-OC inflation adjustment from year 0 date
- SOCWA staff has estimated the cost for each major contract procurement at \$10,000
- \$10,000 would be divided by the number of RFP participants
 - For example:
 - \$10,000 with 8 participants (similar to the bleach RFP)
 - Each agency's costs would be \$1,250 (\$10,000 / 8)
 - Non-SOCWA agencies would be billed \$1,250

SCHEDULE OF 2023 ATTORNEY HOURLY BILLING RATES

1. Sean S. Varner (SSV)	\$625.00
2. Richard D. Marca (RDM)	\$625.00
3. Bradley E. Neufeld (BEN)	\$590.00
4. Nathan W. Heyde (NWH)	\$530.00
5. Linda J. Gladson (LJG)	\$520.00
6. Jeff T. Olsen (JTO)	\$500.00
7. Ruben D. Escalante (RDE)	\$500.00
8. Robert A. Escalante (RAE)	\$500.00
9. Scott R. Heil (SRH)	\$490.00
10. Chris S. Milligan (CSM)	\$490.00
11. Paul J. Nolan (PJN)	\$475.00
12. Leslie E. Riley (LER)	\$475.00
13. Angelica A. Samaniego (AAS)	\$475.00
14. Jason C. Gless (JCG)	\$475.00
15. Kristin C. Varner (KCV)	\$450.00
16. Matthew B. Neufeld (MBN)	\$400.00
17. Grant A. Reader (GAR)	\$375.00
18. Andrew R. Morand (ARM)	\$350.00
19. Nicole V. Orue (NVO)	\$350.00
20. Treashal K. Parmar (TKP)	\$350.00
21. Gabriela M. Rodriguez (GMR)	\$350.00
22. Ashley B. Sura (ABS)	\$325.00
23. Alisha L. Maline (ALM)	\$300.00
24. Mackensie V. Peace (MVP)	\$300.00
25. John R. Rafter (JRR)	\$300.00
26. Christine A. Mitchell – Paralegal (CAM)	\$195.00
27. Arturo G. Valencia – Paralegal (AGV)	\$195.00
28. Raul B. Garcia – Paralegal ((RBG)	\$195.00
29. Sepideh Hake – Paralegal (SH)	\$175.00
30. Paul Pancucci – Investigator (PP)	\$50.00