

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



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Betty Burnett, General Manager  
SOCWA and the Board of Directors thereof

## **AGENDA**

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

To Be Held by Teleconference on:  
April 1, 2021  
8:30 a.m.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. 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 DISABILITY RELATED 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.

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 TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS 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 SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

### **FOR MEETING PARTICIPATION:**

Join Zoom Meeting

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

Meeting ID: 899 7749 3881

Passcode: 647762

#### **One tap mobile**

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Find your local number: <https://socwa.zoom.us/j/kcCGT0eQvE>

**AGENDA**

1. CALL MEETING 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.*

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4. BOARD of DIRECTORS OFFICES – SELECTION OF CHAIR and VICE CHAIR FOR THE REMAINDER OF FISCAL YEAR (FY) 2020/2021 .....1

ACTION: Discussion and Direction of the SOCWA Board of Directors as to its preferred alternatives, which may include:

- (i) Election/appointment of the Chair to serve the Authority for the remainder of FY 2020/2021
- (ii) Election/appointment of the Vice Chair to serve the Authority for the remainder of FY 2020/2021
- (iii) Appointment of a Nominating Committee
- (iv) Other as determined by the SOCWA Board

5. CONSENT CALENDAR

- A. Minutes of Board Meeting .....2

- Board of Directors March 4, 2021

ACTION The Board will be requested to approve subject Minutes as submitted.

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B. Minutes of Finance Committee Meeting .....	7
• Finance Committee February 16, 2021	
ACTION        The Board will be requested to receive and file subject Minutes as submitted.	
C. Minutes of Engineering Committee Meeting .....	10
• Engineering Committee February 11, 2021	
ACTION        The Board will be requested to receive and file subject Minutes as submitted.	
D. Financial Reports for the Month of February 2021 .....	13
1. Summary of Disbursements for February 2021 (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)	
ACTION:        The Finance Committee recommends to the Board of Directors to ratify the February 2021 disbursements for the period from February 1, 2021, through February 28, 2021, totaling \$3,746,671 and to receive and file the February 2021 Financial Reports as submitted.	
E. February 2021 Operations Reports .....	31
1. Monthly Operational Report	
2. SOCWA Ocean Outfall Discharges by Agency	
3. Beach Ocean Monitoring Report	
4. Recycled Water Report	
5. Pretreatment Report	
ACTION:        The Board will be requested to receive and file the January 2021 Operations Reports as submitted.	
F. Capital Improvement Program Status Report .....	71
ACTION:        The Board will be requested to receive and file the reports as submitted.	

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G. Capital Improvement Program Project Financial Status and Change Orders  
[Project Committee 2, 5, 15, & 17] .....87

ACTION: The Board will be requested to receive and file the Capital Improvement Program Project Financial Status and Change Orders Report as submitted.

6. GENERAL MANAGER'S REPORTS

A. General Manager's Status Report .....104

ACTION: Information Item

7. OTHER MATTERS

Open discussion or items received too late to be agendized.

Note: 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 6, 2021

# Agenda Item

# 4

**Board of Directors Meeting**

**Meeting Date:** April 1, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**SUBJECT:** Board of Directors Offices – Selection of Chair and Vice Chair for the Remainder of Fiscal Year 2020/2021

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## Background

The annual election of officers for SOCWA is typically scheduled for the June Board meeting. The Chairman and Vice-Chairman are selected along with the Secretary/Treasurer and an Assistant Secretary of the Board of Directors. The selection typically follows the formation and recommendation of a Nominating Committee in the May timeframe each year. The General Manager and the Executive Assistant are currently serving as the Secretary/Treasurer and Assistant Secretary respectively having been appointed in June of 2020.

Prior to the February Board meeting, the SOCWA 20/21 Chair, Dennis Erdman, notified SOCWA of his resignation from South Coast Water District and his concurrent resignation from the SOCWA Board due to his appointment as the MET Director from MWDOC. Matt Collings, the Vice Chair has been conducting business for leadership of the Board in the intervening period.

The Board should determine its desires for the representation of the Chair and Vice Chair seats for the remainder of the fiscal year or select from other possible options as establishing a nominating committee.

Staff recommends Board discussion and determination as to proceeding to appoint the Chair and Vice Chair positions for the remainder of FY 2020/2021.

**Recommended Action:** Discussion and Direction of the SOCWA Board of Directors as to its preferred alternatives, which may include:

- (i) Election/appointment of the Chair to serve the Authority for the remainder of FY2020/2021
- (ii) Election/appointment of the Vice Chair to serve the Authority for the remainder of FY2020/2021
- (iii) Appointment of a Nominating Committee
- (iv) Other as determined by the SOCWA Board

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

**DRAFT**

**Board of Directors**

**March 4, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on March 4, 2021, at 8:30 a.m. from their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present via Teams Meeting:

DENNIS ERDMAN	South Coast Water District	Outgoing Director, Chair
MATT COLLINGS	Moulton Niguel Water District	Director, Vice Chair
DAN FERONS	Santa Margarita Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
KATHRYN FRESHLEY	El Toro Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
DOUG REINHART	Irvine Ranch Water District	Director
DAVE REBENDORF	City of San Clemente	Director
SCOTT GOLDMAN	South Coast Water District	Incoming Director
HOWARD HART	City of San Juan Capistrano	Alternate Director

**Staff Present:**

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Administrator
MATT CLARK	IT Administrator
DANIEL VASQUEZ	Chief Mechanic
ERNIE LEAL	Chief Operator
DANITA HIRSH	Executive Assistant

**Also Present:**

ADRIANA OCHOA	Procopio Law Firm
GREG MOSER	Procopio Law Firm
STEPHEN JEPSEN	Southern CA Alliance of POTW's
KAY HAVENS	El Toro Water District
DENNIS CAFFERTY	El Toro Water District
JASON HAYDEN	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
RICK SHINTAKU	South Coast Water District
ROBB GRANTHAM	Santa Margarita Water District
GEORGE WEISS	City of Laguna Beach
DAVID SHISSLER	City of Laguna Beach

Prior to calling the meeting to order, Chairman Erdman announced there was a change at South Coast Water District by which he resigned as Director due to his appointment to the Metropolitan Water District Board of Directors and to serve as representative to MWDOC effective March 1, 2021. Therefore, he will no longer be serving on the SOCWA Board. Mr. Erdman thanked staff and the Board Members of SOCWA for the opportunity to learn and participate in the affairs of SOCWA over the past six (6) years. He stated that Scott Goldman will be representing South Coast Water District as of today going forward with Rick Shintaku as 1<sup>st</sup> Alternate Director, and Pamela Arends-King as 2<sup>nd</sup> Alternate Director and Finance Committee Member. Mr. Erdman welcomed Vice Chair Collings to officially call the meeting to order.

1. CALL TO ORDER

Vice Chair Collings called the meeting to order at 8:33 a.m. and requested a roll call vote.

For the record all Board Members are present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director, Vice-Chair
DOUG REINHART	Irvine Ranch Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
HOWARD HART	City of San Juan Capistrano	Alternate Director
DAVE REBENS DORF	City of San Clemente	Director

2. PLEDGE OF ALLEGIANCE – Director Scott Goldman

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Ms. Burnett, General Manager pulled agenda item 4.a. for a correction to the Minutes.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Erdman to approve the remainder of the Consent Calendar agenda items B through G as submitted.

Motion carried:	Aye 8, Nay 0, Abstained 2, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Abstain
	Director Hart Abstain
	Director Rebensdorf Aye

4a. Minutes of Board of Directors Meeting February 4, 2021

Ms. Hirsh stated a correction to the section “Also Present” of the Minutes to note Mr. Mike Gaskins was not in attendance of the meeting, and that Ms. Kay Havens, El Toro Water Districts newly elected Board member was present instead.

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Ferons to approve the Meeting Minutes for February 4, 2021 as corrected.

Motion carried:	Aye 8, Nay 0, Abstained 2, Absent 0
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Abstain
Director Hart	Abstain
Director Rebensdorf	Aye

5. ENGINEERING MATTERS

A. JB Latham Treatment Plant Digester 4 Internal Coating [Project Committee 2]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Goldman to award the contract to Murphy Industrial Coatings, Inc., in the amount of \$118,895 for the internal coating on the JB Latham Treatment Plant Digester 4.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
Director Collings	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye

B. Regional Treatment Plant Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to award the contract to JR Filanc in the amount of \$1,747,194, with a contingency of \$209,663 (100% funded by Moulton Niguel Water District) for the construction of the RTP Aeration Diffuser Project as corrected.

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



6. GENERAL MANAGER'S REPORTS

A. Highlights Report for Southern California Alliance of POTW's

Ms. Burnett and Ms. Baylor introduced Mr. Steve Jepsen, Executive Director for Southern California Alliance of POTW's (SCAP).

Mr. Jepsen reported on the historical background of how and why SCAP got started. He commended Mr. Ray Miller who is recently deceased on his dedication and commitment for starting SCAP and keeping it going for the past 28 years. Mr. Jepsen noted SCAP currently represents eighty (80) public agencies in seven (7) counties in Southern California. The primary focus for SCAP is on regulatory advocacy with Regional Water Board, State Water Board, State Air Board, CARB and Regional Air Boards. An open discussion ensued.

This was an information item; no action was taken.

B. SOCWA Winter Newsletter

Director Collings stated that this agenda item as briefly discussed at the February Board meeting and was brought back for further discussion. Director Collings noted that SOCWA prepared a Newsletter highlighting certain projects and activities that was circulated to the member agencies and some of their directors. He questioned whether the Board desired to continue providing information to a broader stakeholder community group. He stated his concerns of potential confusion of member agency customers and how information is being distributed to their customers. He noted the need for clarity in who their service provider and elected officials are and how they are communicated to. An open discussion ensued.

There was consensus from the Board directing SOCWA to work collaboratively with each Member Agencies public affairs officer regarding delivery of information out to the community.

This was an information item; no action was taken.

C. General Manager's Status Report

Ms. Burnett reported that due to several technological challenges with utilizing Teams Meeting, SOCWA was evaluating moving all Board and Committee meetings to the Zoom platform. She noted SOCWA's IT Administrator was also assessing several potential network solutions to alleviate connectivity problems. Ms. Burnett share the upcoming Budget Schedule timeline with the Board calling their attention to the Board Budget Workshop on May 18, 2021. She referenced the Stormwater Compliance, the SARS-COV-2 Study that was concluded on February 16, 2021, and in final, Mrs. Burnett noted Member Agencies should review the information on the Synagro Self Haul option for emergency conditions. An open discussion ensued.

This was an information item; no action was taken.

D. Santa Margarita Water District (SMWD)

Director Dan Ferons, General Manager for Santa Margarita Water District gave an updated report on the Annexation of the City of San Juan Capistrano Utilities noting there is a two-step process for Santa Margarita District annexing the San Juan Capistrano Utilities service area. Director Ferons stated the first step was to assume responsibility of operation costs, administrative costs, capital, and the unfunded liabilities. Step two involved beginning the withdrawal process from SOCWA for the City. He stated LAFCO is currently reviewing the application with a tentative date to take action by their Board in May. An open discussion ensued.

This was an information item; no action was taken.

7. Other Matters

- At the Direction of the Board, staff was directed to agendize for the April Board meeting, determining the appropriate steps for the appointment of new Chair for the Board due the Director Erdman's departure.

**ADJOURNMENT**

There being no further business, Director Collings adjourned the meeting at 10:48 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 4, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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Betty Burnett, General Manager/Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

**Finance Committee**

**February 16, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on February 16, 2021 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 Teams Meeting:

ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
TONI ISEMAN	City of Laguna Beach	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
PAM ARENDS-KING	South Coast Water District	Alternate Director [exited @ 12:26 p.m.]

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
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Staff Participation:

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

Also Participating:

GREG MOSER	Procopio Law Firm
KATHRYN FRESHLEY	El Toro Water District
DENNIS ERDMAN	South Coast Water District
TREVOR AGRELIUS	Moulton Niguel Water District
JASON HAYDEN	El Toro Water District
ERICA CASTILLO	Santa Margarita Water District

**1. Call Meeting to Order**

Chairman Grantham called the meeting to order at 10:31 a.m.

**2. Public Comments**

None

**3. Approval of Minutes**

- Finance Committee Meeting of January 14, 2021

**ACTION TAKEN**

Motion was made by Director Collings and seconded by Director Arends-King to approve Finance Committee Meeting Minutes for February 16, 2021 as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 1, Absent 1
	Director Grantham      Aye
	Director Iseman        Abstain
	Director Farias        Absent
	Director Cafferty      Aye
	Director Collings      Aye
	Director Arends-King   Aye

**4. Financial Reports for the Month of January 2021**

Ms. Carey reported that being half-way through the fiscal year the expenditures are at approximately 58% and are where they should be. Mr. Burror updated the Committee on Operations expenditures of open purchase orders that may impact the budget due to COVID-19 related incidents effecting delays in delivering of materials. An open discussion ensued.

**ACTION TAKEN**

Motion was made by Director Collings and seconded by Director Arends-King to recommend to the Board of Directors to ratify the January 2021 disbursements for the period of January 1 through January 31, 2021, totaling \$3,583,938, and to receive and file the January 2021 Financial Reports as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
	Director Grantham      Aye
	Director Iseman        Aye
	Director Farias        Absent
	Director Cafferty      Aye
	Director Collings      Aye
	Director Arends-King   Aye

**5. FY 2021-22 Budget Development**

Ms. Carey gave a presentation of the Budget Development Kick-off for FY2021-2022. She reported on the budget schedule, and items that would impact the budget for the coming year including Key Budget Assumptions, Additional Discretionary Payments (ADP), OPEB (Retiree Health), General Fund, and briefed the Committee on federal funding opportunities that may open in the future through the Water Infrastructure Finance and Innovation Act of 2014 (WIFA). An open discussion ensued.

**ACTION TAKEN**

There was Committee consensus on directing staff to coordinate a meeting with the Finance Officers from the member agencies to discuss the CalPERS Unfunded Liabilities component in preparation of the budget and provide feedback at the next Finance Committee meeting in March.

**Adjournment**

There being no further business, Chairman Grantham adjourned the meeting at 12:31 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 Finance Committee of February 16, 2021, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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Betty Burnett, General Manager/Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

**February 11, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on February 11, 2021, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Teams Meeting:

DAVID SHISSLER	City of Laguna Beach
MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District
KEVIN BURTON	Irvine Ranch Water District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

**Absent:**

DAVE REBENS DORF	City of San Clemente
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**Staff Present:**

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JIM BURROR	Director of Operations
DANIEL VASQUEZ	Chief Mechanic
JEANETTE COTINOLA	Procurement/Contracts Administrator
DANITA HIRSH	Executive Assistant

**Also Present:**

DENNIS ERDMAN	South Coast Water District
TARYN KJOSLINGS	South Coast Water District
MATT COLLINGS	Moulton Niguel Water District
JESUS GARIBAY	Moulton Niguel Water District

**1. Call Meeting to Order**

Mr. Manning, Director of Engineering called the meeting to order at 8:31 a.m.

**2. Public Comments**

None

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### **3. Approval of Minutes**

#### **a. Engineering Committee Meeting of January 14, 2021**

- Noted to corrections:
  - Year of the Minutes in the heading and in 1<sup>st</sup> paragraph.
  - Verify Mr. Kevin Burton was in attendance.
  - Correct typos in 1<sup>st</sup> and 2<sup>nd</sup> paragraphs of agenda item 5.

#### **ACTION TAKEN**

Motion was made by Mr. Dunbar seconded by Mr. Woods to approve the Engineering Committee Minutes of January 14, 2021 as corrected.

Motion Carried:    Aye 7, Nay 0, Abstained 2, Absent 1

David Shissler (CLB)	Abstain
Dave Rebensdorf (CSC)	Absent
Mike Marquis (CSJC)	Aye
Mike Dunbar (EBSD)	Aye
Bobby Young (ETWD)	Aye
Kevin Burton (IRWD)	Abstain
Rod Woods (MNWD)	Aye
Marc Serna (SCWD)	Aye
Don Bunts (SMWD)	Aye
Lorrie Lausten (TCWD)	Aye

### **4. Operations Status Report**

Mr. Burror reported on the multiple construction projects keeping the Operations staff very busy. He noted there were a combination challenges that have occurred with Coastal export sludge line with one of the valves burning out as well as the primary flow meter. He noted that the plant received a lot of material from Laguna Beach during the process and had to truck 6 to 7 loads out to make space and allow staff to get the system back online. Mr. Burror stated additionally, a barrel was offline and is full of water which may be due to a broken valve preventing the sludge to have proper flow. He noted that the systems need to be carefully monitored when these types of challenges come up. An open discussion ensued.

Ms. Baylor informed the committee of items to expect at the next Engineering Committee meeting in March. She noted that Mr. Manning will be distributing the flows and solids for July 1, 2020 through December 1, 2020 to the member agencies to review the data in the similar manner as the Use Audit process using the same methodology that's been applied each year. The item will be agendized for the March Engineering Committee Meeting and will be seeking member agencies input. Ms. Baylor also stated that staff is diligently going through the numbers so that member agencies can be briefed on what the coming budget year is going to look like.

Ms. Baylor stated she has kept the committee informed through information updates on the efforts of the Plume tracking exercises and monitoring the NPDES Permits. She noted there had been a slight reduction in the potential cost for the Plume tracking by way of a competitive bid process from Encina Wastewater Authority. Ms. Baylor commented that there still may be an increase of up to 500k due to new regulatory requirements additional Plume tracking, and potential monitoring related to HF183. She stated that in addition to the permit cycle, the Regional Board is requesting a Climate Action Plan to be included. She anticipated the draft permit to be completed by the end of the fiscal year in order to be able to be adopted by the Board between July 1<sup>st</sup> or August this year. An open discussion ensued.

This was an information item; no action was taken.

**5. Capital Improvement Construction Projects Report**

The Engineering staff reported on the project status of project progress for the JB Latham Treatment Plant Package B, San Juan Creek Ocean Outfall Junction Structure Rehabilitation, the Coastal Treatment Plant Facility Improvements, and the Regional Treatment Plant Miscellaneous Improvements 2018 projects. An open discussion ensued.

This was an information item; no action was taken.

**6. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project**

Mr. Manning gave a presentation of photos showing the ongoing progress being made at the project site (see attached photos herewith). An open discussion ensued.

This was an information item; no action was taken.

**7. Regional Treatment Plant (RTP) Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]**

Mr. Manning reported that several contractors were invited to bid on replacing the existing Parkson Panels that are no longer supported. He stated the aeration header will also be modified to allow for four-zone manual control.

Mr. Manning noted that of the three bidders who responded the lowest bidder was JR Filanc, and the project applies to Liquids only and would be 100% of Moulton Niguel's responsibility.

**ACTION TAKEN**

Moulton Niguel agreed to accept the recommendation of JR Filanc as the appropriate contractor to perform the work.

**8. SOCWA Capital Improvements Initial Draft Budget**

Mr. Manning gave a presentation on the 1<sup>st</sup> draft of SOCWA Proposed CIP Budget. An open discussion ensued.

This was an information item; no action was taken.

**Adjournment**

There being no further business, Mr. Manning adjourned the meeting at 9:56 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of February 11, 2021 and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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Betty Burnett, General Manager/Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



# Agenda Item

# 5D

**Board of Directors Meeting**

**Meeting Date:** April 1, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Mary Carey, Finance Controller  
**SUBJECT:** Financial Reports for the Month of February 2021

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## 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 February 2021 (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)

## Fiscal impact

February 2021 cash disbursements were: \$3,746,671.

- 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 to the Board of Directors to ratify the February 2021 disbursements for the period from February 1, 2021, through February 28, 2021, totaling \$3,746,671, and to receive and file the February 2021 Financial Reports as submitted.

**Exhibit A**

**South Orange County Wastewater Authority  
Summary of Disbursements for Febraury 2021  
Staff Recommendation of Fiscal Matters**

	<u>Actual</u>
General Fund	\$ (1,607,429)
PC 2 - Jay B. Latham Plant	(580,102)
PC 5 - San Juan Creek Ocean Outfall	(503,838)
PC 8 - Pretreatment Program	(10,785)
PC 12 SO - Water Reclamation Permits	(19,172)
PC 15 - Coastal Treatment Plant/AWT	(358,302)
PC 17 - Joint Regional Wastewater Reclamation	(605,250)
PC 21 - Effluent Transmission Main	(26,543.48)
PC 24 - Aliso Creek Ocean Outfall	(35,251)
<b>Total</b>	<u><u>\$ (3,746,671)</u></u>

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT  
as of February 28, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$	857,702
L.A.I.F. FUNDS: (BEGINNING BAL.)		13,211,010
DEPOSITS, TRANSFERS & ADJUSTMENTS:		6,580,766
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION		<u>(3,746,671)</u>
<b>TOTAL CASH IN BANK</b>	<b>\$</b>	<b><u>16,902,807</u></b>

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 03/03/21



### PMIA Average Monthly Effective Yields<sup>(1)</sup>

Feb	0.407
Jan	0.458
Dec	0.540

### Quarterly Performance Quarter Ended 12/31/20

LAIF Apportionment Rate <sup>(2)</sup> :	0.63
LAIF Earnings Ratio <sup>(2)</sup> :	0.00001719170547343
LAIF Fair Value Factor <sup>(1)</sup> :	1.002271318
PMIA Daily <sup>(1)</sup> :	0.49%
PMIA Quarter to Date <sup>(1)</sup> :	0.58%
PMIA Average Life <sup>(1)</sup> :	165

### Pooled Money Investment Account Monthly Portfolio Composition <sup>(1)</sup> 01/31/21 \$124.0 billion

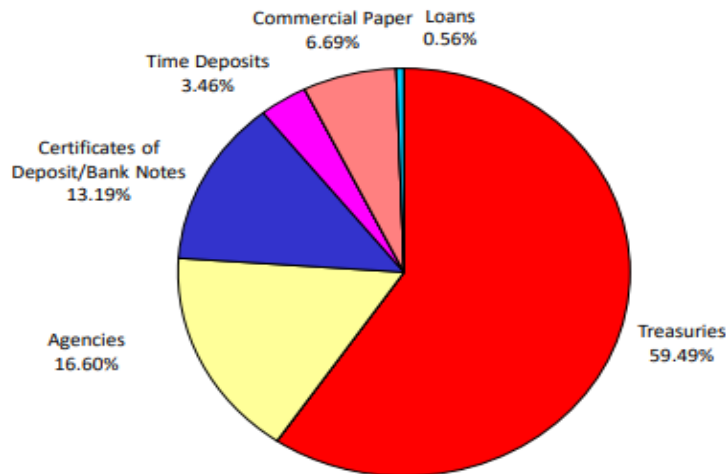


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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:

<sup>(1)</sup> State of California, Office of the Treasurer

<sup>(2)</sup> State of California, Office of the Controller

**Exhibit C**

**South Orange County Wastewater Authority  
Schedule of Cash and Investments  
as of Febraury 28, 2021**

MVA	\$ 1,236,896	(A)
A/P Checking	1,993,906	(B)
Payroll Checking	48,995	(C)
State LAIF	13,623,010	(D)
<b>Total Cash in Bank</b>	<b>\$ 16,902,807</b>	
Petty Cash	1,600	(E)
<b>Total Operating Cash</b>	<b>\$ 16,904,407</b>	
OPEB Trust	6,123,967	(F)
<b>Total Cash and Investments</b>	<b>\$ 23,028,373</b>	

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 February 28, 2021  
(in dollars)**

FY 2020-21 Budget vs. Actual Spending								
Description	Capital Budget	<sup>1</sup> Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Open Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 11,001,875	\$ 4,214,021	\$ 6,787,854	38.3%	\$ 2,323,978	\$ 2,323,978	\$ -	181.3%
PC 5-San Juan Creek Outfall	1,263,700	807,850	455,850	63.9%	1,129,057	992,717	136,340	71.6%
PC 15-Coastal	9,901,134	3,587,235	6,313,899	36.2%	2,250,000	2,250,000	-	159.4%
PC 17-Regional	2,673,023	1,754,083	918,940	65.6%	-	-	-	-
PC 21 Effluent Transmission	2,322,668	1,320	2,321,348	0.1%	100,000	100,000	-	1.3%
<sup>2</sup> PC 24 Aliso Creek Outfall	-	6,252	(6,252)	0.0%	-	-	-	-
<b>Total Large Capital</b>	<b>\$ 27,162,400</b>	<b>\$ 10,370,761</b>	<b>\$ 16,791,639</b>	<b>38.2%</b>	<b>\$ 5,803,035</b>	<b>\$ 5,666,695</b>	<b>\$ 136,340</b>	<b>178.7%</b>
Non-Capital Engineering	1,161,634	30,950	1,130,684	2.7%	94,210	94,210		32.9%
Non-Capital Misc Engineering	75,000	-	75,000	-	56,250	56,250		-
Small Internal Capital	2,099,000	581,200	1,517,800	27.7%	1,574,250	1,574,250		36.9%
<b>Total Capital</b>	<b>\$ 30,498,034</b>	<b>\$ 10,982,911</b>	<b>\$ 19,515,123</b>	<b>36.0%</b>	<b>\$ 7,527,745</b>	<b>\$ 7,391,405</b>	<b>\$ 136,340</b>	<b>145.9%</b>

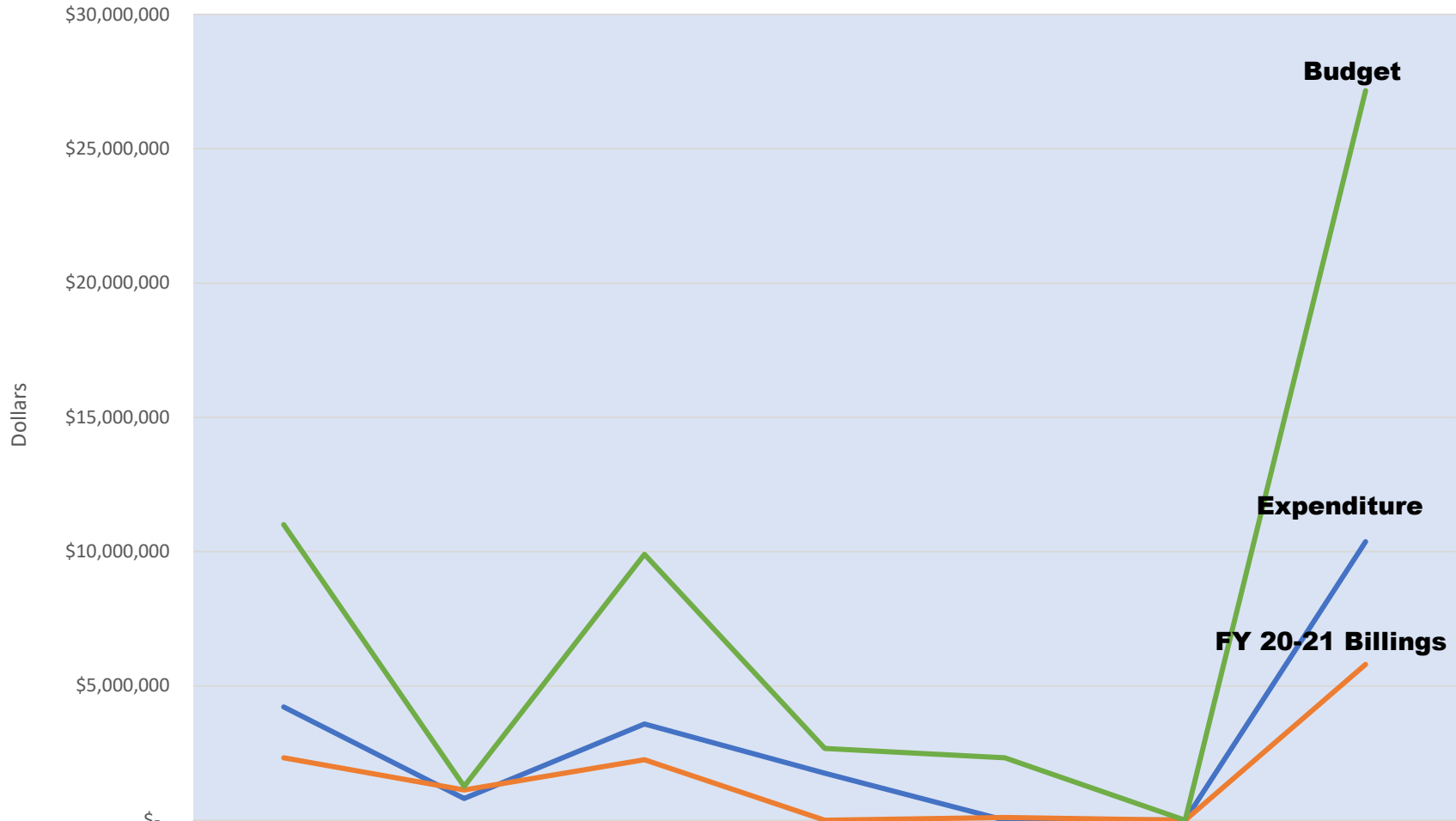
<sup>1</sup> Fiscal Year Spending does not include spending on carryover projects from FY 2019-20 Budget; Small Capital and Non-Capital work delayed because of COVID 19:

	Carryover	YTD Spending	Balance	% Expended
Non-Capital Engineering	\$369,508	\$88,668	\$280,840	24.0%
Non-Capital Misc Engineering	252,298	76,655	175,643	30.4%
Small Internal Capital	565,000	333,007	231,993	58.9%
	<b>\$1,186,806</b>	<b>\$498,331</b>	<b>\$688,475</b>	<b>42.0%</b>

<sup>2</sup> PC 24 is paid out of Cash on Hand collected in an earlier year

# Large Capital Projects Fiscal Year '20-21 Budget vs. Year-to-Date Expenditures & Billings as of 2/28/2021

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 2/28/21	\$4,214,021	\$807,850	\$3,587,235	\$1,754,083	1,320.00	\$6,252	\$10,370,761
FY 20-21 Billings	\$2,323,978	\$1,129,057	\$2,250,000	\$0	\$100,000	\$0	\$5,803,035
Capital Budget 20-21	\$11,001,875	\$1,263,700	\$9,901,134	\$2,673,023	\$2,322,668	-	\$27,162,400

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs Summary**  
For the Period Ended February 28, 2021  
(in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended	
<b>Salary and Fringe</b>					
**5000-**-***	Regular Salaries-O&M	4,510,604	2,881,900	1,628,705	63.9%
**5001-**-***	Overtime Salaries-O&M	128,700	79,935	48,765	62.1%
**5306-**-***	Scheduled Holiday Work	33,964	57,968	(24,004)	170.7%
**5315-**-***	Comp Time - O&M	12,168	9,282	2,886	76.3%
**5401-**-***	Fringe Benefits IN to PC's & Depts.	2,374,488	1,517,122	857,366	63.9%
**5700-**-***	Standby Pay	67,608	44,980	22,628	66.5%
	<b>Total Payroll Costs</b>	<b>7,127,532</b>	<b>4,591,186</b>	<b>2,536,346</b>	<b>64.4%</b>
<b>Other Expenses</b>					
**5002-**-***	Electricity	1,154,008	802,891	351,117	69.6%
**5003-**-***	Natural Gas	234,532	150,295	84,237	64.1%
**5004-**-***	Potable & Reclaimed Water	77,008	52,064	24,944	67.6%
**5005-**-***	Co-generation Power Credit	(669,000)	(427,884)	(241,116)	64.0%
**5006-**-***	Chlorine/Sodium Hypochlorite	479,900	319,852	160,048	66.6%
**5007-**-***	Polymer Products	739,004	532,691	206,313	72.1%
**5008-**-***	Ferric Chloride	452,000	430,175	21,825	95.2% (1)
**5009-**-***	Odor Control Chemicals	114,996	53,145	61,851	46.2%
**5010-**-***	Other Chemicals - Misc.	2,996	-	2,996	-
**5011-**-***	Laboratory Services	40,580	20,044	20,536	49.4%
**5012-**-***	Grit Hauling	124,996	71,719	53,277	57.4%
**5013-**-***	Landscaping	206,004	161,406	44,599	78.4% (2)
**5014-**-***	Engineering - Misc.	-	-	-	-
**5015-**-***	Management Support Services	370,504	189,209	181,295	51.1%
**5016-**-***	Audit - Environmental	1,252	-	1,252	-
**5017-**-***	Legal Fees	32,355	37,273	(4,918)	115.2% (3)
**5018-**-***	Public Notices/ Public Relations	5,500	-	5,500	-
**5019-**-***	Contract Services Misc.	256,012	160,097	95,915	62.5%
**5021-**-***	Small Vehicle Expense	24,556	10,352	14,204	42.2%
**5022-**-***	Miscellaneous Expense	18,020	3,525	14,495	19.6%
**5023-**-***	Office Supplies - All	43,004	19,182	23,822	44.6%
**5024-**-***	Petroleum Products	34,000	8,550	25,450	25.1%
**5025-**-***	Uniforms	68,992	42,543	26,449	61.7%
**5026-**-***	Small Vehicle Fuel	24,604	8,533	16,071	34.7%
**5027-**-***	Insurance - Property/Liability	275,584	167,200	108,384	60.7%
**5028-**-***	Small Tools & Supplies	77,500	39,158	38,342	50.5%
**5030-**-***	Trash Disposal	6,992	4,297	2,695	61.5%
**5031-**-***	Safety Program & Supplies	114,868	86,430	28,438	75.2%
**5032-**-***	Equipment Rental	7,004	876	6,128	12.5%
**5033-**-***	Recruitment	2,504	1,389	1,115	55.5%
**5034-**-***	Travel Expense/Tech. Conferences	32,316	1,795	30,521	5.6%
**5035-**-***	Training Expense	40,664	8,127	32,537	20.0%
**5036-**-***	Laboratory Supplies	100,152	62,765	37,387	62.7%
**5037-**-***	Office Equipment	65,000	18,177	46,823	28.0%
**5038-**-***	Permits	480,520	465,932	14,588	97.0% (4)
**5039-**-***	Membership Dues/Fees	23,772	6,136	17,636	25.8%
**5044-**-***	Offshore Monitoring	44,004	55,880	(11,876)	127.0% (5)
**5046-**-***	Effluent Chemistry	40,004	6,326	33,678	15.8%
**5047-**-***	Access Road Expenses	44,004	38,887	5,117	88.4% (6)
**5048-**-***	Storm Damage	20,008	-	20,008	-
**5049-**-***	Biosolids Disposal	1,429,996	970,481	459,515	67.9%
**5050-**-***	Contract Services Generators - 29A	22,008	50	21,958	0.2%
**5051-**-***	Contract Serv - Metering Station - 29B	-	2,767	(2,767)	-
**5052-**-***	Janitorial Services	94,004	71,680	22,324	76.3% (7)
**5053-**-***	Contract Serv - Digester Cleaning - 29E	125,000	6,152	118,848	4.9%
**5054-**-***	Diesel Truck Maint	41,004	18,180	22,824	44.3%
**5055-**-***	Diesel Truck Fuel - 37B	11,504	4,022	7,482	35.0%
**5056-**-***	Maintenance Equip. & Facilities (Solids)	361,000	168,117	192,883	46.6%
**5057-**-***	Maintenance Equip. & Facilities (Liquids)	669,000	387,021	281,980	57.9%
**5058-**-***	Maintenance Equip. & Facilities (Common)	86,008	124,658	(38,650)	144.9% (8)
**5059-**-***	Maintenance Equip. & Facilities (Co-Gen)	960,000	366,158	593,842	38.1%
**5060-**-***	Maintenance Equip. & Facilities (AWT)	75,000	53,751	21,249	71.7%
**5061-**-***	Mileage	3,548	1,294	2,254	36.5%
**5067-**-***	Port Cleaning	70,000	-	70,000	-
**5068-**-***	MNWD Potable Water Supplies & Svcs.	42,000	15,323	26,677	36.5%
**5076-**-***	SCADA Infrastructure	91,508	47,755	43,753	52.2%
**5077-**-***	IT Direct	10,000	-	10,000	-
**5105-**-***	Co-Generation Power Credit - Offset	669,000	427,884	241,116	64.0%
**5303-**-***	Group Insurance Waiver	14,392	9,305	5,087	64.7%
**5305-**-***	Medicare Tax Payments for Employees	1,336	1,288	48	96.4%
**5309-**-***	Operating Leases	31,008	17,580	13,428	56.7%
**5705-**-***	Monthly Car Allowance	31,192	23,555	7,637	75.5%
**5799-**-***	Zephyr Wall Costs Share - O&M	(14,000)	(14,500)	500	-
**5802-**-***	Shipping/Freight	100	-	100	-
**6241-**-***	Education Reimbursement	-	606	(606)	-
**6500-**-***	IT Allocations in to PC's & Depts.	556,996	349,496	207,500	62.7%
	<b>Total Other Expenses</b>	<b>10,592,323</b>	<b>6,661,658</b>	<b>3,930,665</b>	<b>62.9%</b>
	<b>Total O&amp;M Expenses</b>	<b>17,719,855</b>	<b>11,252,844</b>	<b>6,467,011</b>	<b>63.5%</b>



**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs Summary**  
For the Period Ended February 28, 2021  
(in dollars)

- (1) Odor levels continue to rise in the collection system resulting in higher levels of Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (2) Tree removals from emergency projects and Santa Ana Winds have been elevated this year.
- (3) Regulatory Environmental requirements and Construction agreements review.
- (4) Water Quality Fee increases.
- (5) Annual, one-time cost for kelp overflight required by the NPDES permit; Water Quality Fee increases.
- (6) Recently completed the annual access road asphalt repairs.
- (7) Janitorial services are elevated due to additional office disinfection and cleaning needs due to the Pandemic.
- (8) Emergency water line repairs completed at RTP.

**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**  
 For the Period Ended February 28, 2021  
 (in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
<b>02 - Jay B. Latham Plant</b>					
Salary and Fringe					
02-5000.**.**	Regular Salaries-O&M	1,518,048	1,026,801	491,247	67.6%
02-5001.**.**	Overtime Salaries-O&M	38,716	33,795	4,921	87.3% (1)
02-5306.**.**	Scheduled Holiday Work	13,364	22,581	(9,217)	169.0% (1)
02-5315.**.**	Comp Time - O&M	5,028	3,614	1,414	71.9% (1)
02-5401.**.**	Fringe Benefits IN to PC's & Depts.	799,132	540,540	258,592	67.6%
02-5700.**.**	Standby Pay	25,352	17,843	7,510	70.4%
	<b>Total Payroll Costs</b>	<b>2,399,640</b>	<b>1,645,172</b>	<b>754,468</b>	<b>68.6%</b>
Other Expenses					
02-5002.**.**	Electricity	547,004	315,847	231,157	57.7%
02-5003.**.**	Natural Gas	121,036	82,177	38,859	67.9%
02-5004.**.**	Potable & Reclaimed Water	24,004	16,034	7,970	66.8%
02-5006.**.**	Chlorine/Sodium Hypochlorite	7,900	5,234	2,666	66.2%
02-5007.**.**	Polymer Products	278,000	220,248	57,752	79.2%
02-5008.**.**	Ferric Chloride	140,000	175,098	(35,098)	125.1% (2)
02-5009.**.**	Odor Control Chemicals	21,000	10,145	10,855	48.3%
02-5010.**.**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011.**.**	Laboratory Services	12,500	5,167	7,333	41.3%
02-5012.**.**	Grit Hauling	54,000	30,007	23,993	55.6%
02-5013.**.**	Landscaping	75,008	35,387	39,621	47.2%
02-5015.**.**	Management Support Services	26,004	32,790	(6,786)	126.1% (3)
02-5017.**.**	Legal Fees	3,095	122	2,973	3.9%
02-5019.**.**	Contract Services Misc.	75,008	42,762	32,246	57.0%
02-5021.**.**	Small Vehicle Expense	11,000	4,781	6,219	43.5%
02-5022.**.**	Miscellaneous Expense	8,000	2,183	5,817	27.3%
02-5023.**.**	Office Supplies - All	28,000	8,083	19,917	28.9%
02-5024.**.**	Petroleum Products	11,000	1,410	9,590	12.8%
02-5025.**.**	Uniforms	32,992	20,346	12,646	61.7%
02-5026.**.**	Small Vehicle Fuel	12,004	2,485	9,519	20.7%
02-5027.**.**	Insurance - Property/Liability	89,920	56,720	33,200	63.1%
02-5028.**.**	Small Tools & Supplies	37,004	20,455	16,549	55.3%
02-5030.**.**	Trash Disposal	2,000	1,431	569	71.5%
02-5031.**.**	Safety Program & Supplies	39,004	34,963	4,041	89.6%
02-5032.**.**	Equipment Rental	3,000	876	2,124	29.2%
02-5033.**.**	Recruitment	1,000	944	56	94.4%
02-5034.**.**	Travel Expense/Tech. Conferences	9,496	115	9,381	1.2%
02-5035.**.**	Training Expense	12,808	2,837	9,971	22.2%
02-5036.**.**	Laboratory Supplies	16,472	8,500	7,972	51.6%
02-5037.**.**	Office Equipment	13,000	1,621	11,379	12.5%
02-5038.**.**	Permits	25,504	33,785	(8,281)	132.5% (4)
02-5039.**.**	Membership Dues/Fees	4,384	2,012	2,372	45.9%
02-5049.**.**	Biosolids Disposal	524,996	347,191	177,805	66.1%
02-5050.**.**	Contract Services Generators - 29A	10,004	50	9,954	0.00
02-5052.**.**	Janitorial Services	41,000	37,288	3,712	90.9% (5)
02-5053.**.**	Contract Serv - Digester Cleaning - 29E	60,000	6,152	53,848	10.3%
02-5054.**.**	Diesel Truck Maint	21,000	5,172	15,828	24.6%
02-5055.**.**	Diesel Truck Fuel - 37B	3,004	1,061	1,943	35.3%
02-5056.**.**	Maintenance Equip. & Facilities (Solids)	155,000	48,975	106,025	31.6%
02-5057.**.**	Maintenance Equip. & Facilities (Liquids)	254,000	118,645	135,355	46.7%
02-5058.**.**	Maintenance Equip. & Facilities (Common)	28,000	24,148	3,852	86.2%
02-5059.**.**	Maintenance Equip. & Facilities (Co-Gen)	369,000	142,027	226,973	38.5%
02-5061.**.**	Mileage	2,044	589	1,455	28.8%
02-5076.**.**	SCADA Infrastructure	30,504	15,918	14,586	52.2%
02-5077.**.**	IT Direct	4,996	-	4,996	-
02-5303.**.**	Group Insurance Waiver	3,592	2,395	1,197	66.7%
02-5309.**.**	Operating Leases	25,004	16,780	8,224	67.1%
02-5705.**.**	Monthly Car Allowance	18,600	15,171	3,429	81.6%
02-5799.**.**	Zephyr Wall Costs Share - O&M	(14,000)	(14,500)	500	-
02-6500.**.**	IT Allocations in to PC's & Depts.	187,624	117,731	69,893	62.7%
	<b>Total Other Expenses</b>	<b>3,466,515</b>	<b>2,059,356</b>	<b>1,407,159</b>	<b>59.4%</b>
	<b>Total Expenses</b>	<b>5,866,155</b>	<b>3,704,529</b>	<b>2,161,626</b>	<b>63.2%</b>

**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**

For the Period Ended February 28, 2021  
(in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended	
<b>05 - San Juan Creek Ocean Outfall</b>					
Salary and Fringe					
05-5000.**.**	Regular Salaries-O&M	94,880	87,817	7,063	92.6%
05-5001.**.**	Overtime Salaries-O&M	584	1,443	(859)	247.1% (1)
05-5306.**.**	Scheduled Holiday Work	100	468	(368)	-
05-5401.**.**	Fringe Benefits IN to PC's & Depts.	49,940	46,229	3,711	92.6%
	Total Payroll Costs	145,504	135,958	9,546	93.4%
Other Expenses					
05-5002.**.**	Electricity	1,004	-	1,004	-
05-5003.**.**	Natural Gas	500	-	500	-
05-5015.**.**	Management Support Services	80,000	25,841	54,159	32.3%
05-5017.**.**	Legal Fees	2,008	1,351	658	67.3%
05-5026.**.**	Small Vehicle Fuel	500	-	500	-
05-5027.**.**	Insurance - Property/Liability	8,192	4,875	3,317	59.5%
05-5031.**.**	Safety Supplies	1,004	-	1,004	-
05-5034.**.**	Travel Expense/Tech. Conferences	2,000	300	1,700	15.0%
05-5035.**.**	Training Expense	4,000	62	3,938	1.5%
05-5036.**.**	Laboratory Supplies	24,504	19,022	5,482	77.6%
05-5038.**.**	Permits	198,996	210,586	(11,590)	105.8% (6)
05-5039.**.**	Membership Dues/Fees	5,564	-	5,564	-
05-5044.**.**	Offshore Monitoring	22,000	22,325	(325)	101.5% (7)
05-5046.**.**	Effluent Chemistry	20,004	4,595	15,409	23.0%
05-5056.**.**	Maintenance Equip. & Facilities (Solids) 41-A	-	321	(321)	-
05-5058.**.**	Maintenance Equip. & Facilities (Common)	1,004	6,215	(5,211)	619.0% (8)
05-5067.**.**	Port Cleaning	35,000	-	35,000	-
05-6500.**.**	IT Allocations in to PC's & Depts.	11,716	7,352	4,364	62.7%
	Total Other Expenses	417,996	302,845	115,151	72.5%
	Total Expenses	563,500	438,802	124,698	77.9%
<b>08 - Pre Treatment</b>					
Salary and Fringe					
08-5000.**.**	Regular Salaries-O&M	81,396	62,811	18,585	77.2%
08-5306.**.**	Scheduled Holiday Work	356	-	356	-
08-5315.**.**	Comp Time - Environment	2,476	-	2,476	-
08-5401.**.**	Fringe Benefits IN to PC's & Depts.	42,852	33,066	9,786	77.2%
	Total Payroll Costs	127,080	95,877	31,203	75.4%
Other Expenses					
08-5011.**.**	Laboratory Services	3,008	100	2,908	3.3%
08-5015.**.**	Management Support Services	4,000	-	4,000	-
08-5016.**.**	Audit - Environmental	1,252	-	1,252	-
08-5017.**.**	Legal Fees	2,532	3,019	(487)	119.2% (9)
08-5018.**.**	Public Notices/ Public Relations	5,500	-	5,500	-
08-5021.**.**	Small Vehicle Expense - 31A	1,052	-	1,052	-
08-5022.**.**	Miscellaneous Expense	2,020	-	2,020	-
08-5026.**.**	Small Vehicle Fuel - 37A	1,096	59	1,037	5.4%
08-5027.**.**	Insurance - Property/Liability	2,844	1,692	1,152	59.5%
08-5028.**.**	Small Tools & Supplies	3,496	1,180	2,316	33.7%
08-5034.**.**	Travel Expense/Tech. Conferences	2,220	300	1,920	13.5%
08-5035.**.**	Training Expense	796	509	287	64.0%
08-5038.**.**	Permits and Fines	6,000	-	6,000	-
08-5039.**.**	Membership Dues/Fees	800	743	57	92.9%
08-6500.**.**	IT Allocations in to PC's & Depts.	10,052	6,307	3,745	62.7%
	Total Other Expenses	46,668	13,909	32,759	29.8%
	Total Expenses	173,748	109,786	63,962	63.2%
<b>12 - Water Reclamation Permits</b>					
Salary and Fringe					
12-5000.**.**	Regular Salaries-O&M	50,404	24,702	25,702	49.0%
12-5401.**.**	Fringe Benefits IN to PC's & Depts.	26,528	13,004	13,524	49.0%
	Total Payroll Costs	76,932	37,706	39,226	49.0%
Other Expenses					
12-5015.**.**	Management Support Services	157,000	83,099	73,901	52.9%
12-5017.**.**	Legal Fees	2,008	8,161	(6,153)	406.4% (9)
12-5027.**.**	Insurance - Property/Liability	3,116	1,854	1,262	59.5%
12-5034.**.**	Travel Expense/Tech. Conferences	1,352	-	1,352	-
12-5038.**.**	Permits	21,512	20,362	1,150	94.7%
12-6500.**.**	IT Allocations in to PC's & Depts.	6,236	3,906	2,330	62.6%
	Total Other Expenses	191,224	117,383	73,841	61.4%
	Total Expenses	268,156	155,089	113,068	57.8%

**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**  
For the Period Ended February 28, 2021  
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
<b>15 - Coastal Treatment Plant</b>					
Salary and Fringe					
15-5000-**-**_**	Regular Salaries-O&M	939,512	566,721	372,791	60.3%
15-5001-**-**_**	Overtime Salaries-O&M	21,760	11,372	10,388	52.3% (1)
15-5306-**-**_**	Scheduled Holiday Work	5,096	10,985	(5,889)	215.6% (1)
15-5315-**-**_**	Comp Time - O&M	2,100	1,821	279	86.7% (1)
15-5401-**-**_**	Fringe Benefits IN to PC's & Depts.	494,584	298,340	196,244	60.3%
15-5700-**-**_**	Standby Pay	16,900	7,670	9,230	45.4%
	Total Payroll Costs	<u>1,479,952</u>	<u>896,909</u>	<u>583,043</u>	<u>60.6%</u>
Other Expenses					
15-5002-**-**_**	Electricity	256,000	165,258	90,742	64.6%
15-5003-**-**_**	Natural Gas	3,000	1,618	1,382	53.9%
15-5004-**-**_**	Potable & Reclaimed Water	25,004	14,647	10,357	58.6%
15-5006-**-**_**	Chlorine/Sodium Hypochlorite	92,000	60,236	31,764	65.5%
15-5007-**-**_**	Polymer Products	1,004	-	1,004	-
15-5008-**-**_**	Ferric Chloride	46,996	39,235	7,761	83.5% (2)
15-5009-**-**_**	Odor Control Chemicals	50,000	25,055	24,945	50.1%
15-5011-**-**_**	Laboratory Services	8,000	7,543	457	94.3% (10)
15-5012-**-**_**	Grit Hauling	20,996	16,669	4,327	79.4%
15-5013-**-**_**	Landscaping	56,000	20,945	35,055	37.4%
15-5015-**-**_**	Management Support Services	2,500	3,198	(698)	127.9% (3)
15-5017-**-**_**	Legal Fees	15,700	2,660	13,040	16.9%
15-5019-**-**_**	Contract Services Misc.	85,000	56,619	28,381	66.6%
15-5021-**-**_**	Small Vehicle Expense - 31A	5,504	666	4,838	12.1%
15-5022-**-**_**	Miscellaneous Expense	1,000	290	710	29.0%
15-5023-**-**_**	Office Supplies - All	4,004	3,566	438	89.1%
15-5024-**-**_**	Petroleum Products	3,000	3,264	(264)	108.8% (11)
15-5025-**-**_**	Uniforms	8,996	4,967	4,029	55.2%
15-5026-**-**_**	Small Vehicle Fuel - 37A	2,000	958	1,042	47.9%
15-5027-**-**_**	Insurance - Property/Liability	46,396	27,608	18,788	59.5%
15-5028-**-**_**	Small Tools & Supplies	8,000	3,632	4,368	45.4%
15-5030-**-**_**	Trash Disposal	2,996	1,281	1,715	42.7%
15-5031-**-**_**	Safety Program & Supplies	33,352	16,488	16,864	49.4%
15-5032-**-**_**	Equipment Rental	1,000	-	1,000	-
15-5033-**-**_**	Recruitment	500	150	350	29.9%
15-5034-**-**_**	Travel Expense/Tech. Conferences	5,748	148	5,600	2.6%
15-5035-**-**_**	Training Expense	8,356	1,298	7,058	15.5%
15-5036-**-**_**	Laboratory Supplies	11,004	7,888	3,116	71.7%
15-5037-**-**_**	Office Equipment	2,000	10	1,990	0.5%
15-5038-**-**_**	Permits	8,000	393	7,608	4.9%
15-5039-**-**_**	Membership Dues/Fees	2,600	1,274	1,326	49.0%
15-5047-**-**_**	Access Road Expenses	44,004	38,887	5,117	88.4%
15-5048-**-**_**	Storm Damage	20,008	-	20,008	-
15-5049-**-**_**	Biosolids Disposal	-	2,625	(2,625)	-
15-5050-**-**_**	Contract Services Generators - 29A	4,004	-	4,004	-
15-5052-**-**_**	Janitorial Services	12,004	8,681	3,323	72.3%
15-5054-**-**_**	Diesel Truck Maint - 31B	1,004	-	1,004	-
15-5055-**-**_**	Diesel Truck Fuel - 37B	496	-	496	-
15-5057-**-**_**	Maintenance Equip. & Facilities (Liquids)	179,000	88,210	90,790	49.3%
15-5058-**-**_**	Maintenance Equip. & Facilities (Common)	22,000	3,748	18,252	17.0%
15-5060-**-**_**	Maintenance Equip. & Facilities (AWT) 41-E	37,000	8,063	28,937	21.8%
15-5061-**-**_**	Mileage	500	124	376	24.9%
15-5076-**-**_**	SCADA Infrastructure	30,500	15,918	14,582	52.2%
15-5303-**-**_**	Group Insurance Waiver	3,600	2,395	1,205	66.5%
15-5305-**-**_**	Medicare Tax Payments for Employees	1,336	1,288	48	96.4%
15-5705-**-**_**	Monthly Car Allowance	4,204	2,795	1,409	66.5%
15-6500-**-**_**	IT Allocations in to PC's & Depts.	116,012	72,796	43,216	62.7%
	Total Other Expenses	<u>1,292,328</u>	<u>733,094</u>	<u>559,234</u>	<u>56.7%</u>
	Total Expenses	<u>2,772,280</u>	<u>1,630,003</u>	<u>1,142,277</u>	<u>58.8%</u>

**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**  
 For the Period Ended February 28, 2021  
 (in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended	
<b>17 - Joint Regional Wastewater Reclamation and Sludge Handling</b>					
Salary and Fringe					
17-5000-**-**-**	Regular Salaries-O&M	1,721,896	1,026,905	694,991	59.6%
17-5001-**-**-**	Overtime Salaries-O&M	66,064	32,379	33,685	49.0% (1)
17-5306-**-**-**	Scheduled Holiday Work	14,880	23,642	(8,762)	158.9% (1)
17-5315-**-**-**	Comp Time - O&M	2,564	3,847	(1,283)	150.0% (1)
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	906,456	540,595	365,861	59.6%
17-5700-**-**-**	Standby Pay	25,356	19,468	5,889	76.8%
	Total Payroll Costs	2,737,216	1,646,835	1,090,381	60.2%
Other Expenses					
17-5002-**-**-**	Electricity	350,000	321,786	28,214	91.9% (12)
17-5003-**-**-**	Natural Gas	109,996	66,500	43,496	60.5%
17-5004-**-**-**	Potable & Reclaimed Water	28,000	21,383	6,617	76.4%
17-5005-**-**-**	Co-generation Power Credit	(669,000)	(427,884)	(241,116)	64.0%
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	380,000	254,382	125,618	66.9%
17-5007-**-**-**	Polymer Products	460,000	312,443	147,557	67.9%
17-5008-**-**-**	Ferric Chloride	265,004	215,842	49,162	81.4% (2)
17-5009-**-**-**	Odor Control Chemicals	43,996	17,945	26,051	40.8%
17-5010-**-**-**	Other Chemicals - Misc.	1,996	-	1,996	-
17-5011-**-**-**	Laboratory Services	17,072	7,235	9,837	42.4%
17-5012-**-**-**	Grit Hauling - 21A	50,000	25,042	24,958	50.1%
17-5013-**-**-**	Landscaping	74,996	105,073	(30,077)	140.1% (13)
17-5015-**-**-**	Management Support Services	21,000	25,290	(4,290)	120.4% (3)
17-5017-**-**-**	Legal Fees	5,004	13,281	(8,277)	265.4% (14)
17-5019-**-**-**	Contract Services Misc.	95,000	60,716	34,284	63.9%
17-5021-**-**-**	Small Vehicle Expense	7,000	4,905	2,095	70.1%
17-5022-**-**-**	Miscellaneous Expense	7,000	1,052	5,948	15.0%
17-5023-**-**-**	Office Supplies - All	11,000	7,533	3,467	68.5%
17-5024-**-**-**	Petroleum Products	20,000	3,876	16,124	19.4%
17-5025-**-**-**	Uniforms	27,004	17,231	9,773	63.8%
17-5026-**-**-**	Small Vehicle Fuel	9,004	5,031	3,973	55.9%
17-5027-**-**-**	Insurance - Property/Liability	115,592	68,784	46,808	59.5%
17-5028-**-**-**	Small Tools & Supplies	29,000	13,892	15,108	47.9%
17-5030-**-**-**	Trash Disposal	1,996	1,586	410	79.4%
17-5031-**-**-**	Safety Program & Supplies	40,504	34,979	5,525	86.4%
17-5032-**-**-**	Equipment Rental	3,004	-	3,004	-
17-5033-**-**-**	Recruitment	1,004	295	709	29.3%
17-5034-**-**-**	Travel Expense/Tech. Conferences	9,496	632	8,864	6.7%
17-5035-**-**-**	Training Expense	12,700	3,359	9,341	26.4%
17-5036-**-**-**	Laboratory Supplies	23,672	9,799	13,873	41.4%
17-5037-**-**-**	Office Equipment	50,000	16,546	33,454	33.1%
17-5038-**-**-**	Permits	21,508	2,142	19,366	10.0%
17-5039-**-**-**	Membership Dues/Fees	4,860	2,106	2,754	43.3%
17-5049-**-**-**	Biosolids Disposal	905,000	620,665	284,335	68.6%
17-5050-**-**-**	Contract Services Generators - 29A	8,000	-	8,000	-
17-5051-**-**-**	Contract Serv - Metering Station - 29B	-	2,767	(2,767)	-
17-5052-**-**-**	Janitorial Services	41,000	25,711	15,289	62.7%
17-5053-**-**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	-
17-5054-**-**-**	Diesel Truck Maint	19,000	13,008	5,992	68.5%
17-5055-**-**-**	Diesel Truck Fuel - 37B	8,004	2,961	5,043	37.0%
17-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	206,000	118,821	87,179	57.7%
17-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	236,000	180,166	55,834	76.3%
17-5058-**-**-**	Maintenance Equip. & Facilities (Common)	34,000	90,546	(56,546)	266.3% (15)
17-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	591,000	224,131	366,869	37.9%
17-5060-**-**-**	Maintenance Equip. & Facilities (AWT)	38,000	45,688	(7,688)	120.2% (16)
17-5061-**-**-**	Mileage	1,004	581	423	57.9%
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	42,000	15,323	26,677	36.5%
17-5076-**-**-**	SCADA Infrastructure	30,504	15,919	14,585	52.2%
17-5077-**-**-**	IT Direct	5,004	-	5,004	-
17-5105-**-**-**	Co-Generation Power Credit - Offset	669,000	427,884	241,116	64.0%
17-5303-**-**-**	Group Insurance Waiver	7,200	4,514	2,686	62.7%
17-5309-**-**-**	Operating Leases	6,004	799	5,205	0.13
17-5705-**-**-**	Monthly Car Allowance	8,388	5,589	2,799	66.6%
17-6241-**-**-**	Education Reimbursement	-	606	(606)	-
17-6500-**-**-**	IT Allocations in to PC's & Depts.	212,628	133,418	79,210	62.7%
	Total Other Expenses	4,760,144	3,141,879	1,618,265	66.0%
	<b>Total Expenses</b>	<b>7,497,360</b>	<b>4,788,714</b>	<b>2,708,646</b>	<b>63.9%</b>

**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**

For the Period Ended February 28, 2021

(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
<b>21 - Effluent Transmission Main</b>					
Salary and Fringe					
21-5000-**-**-**	Regular Salaries-O&M	1,384	1,072	312	77.4%
21-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	732	564	168	77.1%
	Total Payroll Costs	2,116	1,636	480	77.3%
Other Expenses					
21-5019-**-**-**	Contract Services Misc. - 29	1,004	-	1,004	-
21-5027-**-**-**	Insurance - Property/Liability	968	576	392	59.5%
	Total Other Expenses	1,972	576	1,396	29.2%
	Total Expenses	4,088	2,212	1,876	54.1%
<b>23 - North Coast Interceptor</b>					
Other Expenses					
23-5017-**-**-**	Legal Fees	-	8,680	(8,680)	-
	Total Other Expenses	-	8,680	(8,680)	-
<b>24 - Aliso Creek Ocean Outfall</b>					
Salary and Fringe					
24-5000-**-**-**	Regular Salaries-O&M	103,084	85,071	18,013	82.5%
24-5001-**-**-**	Overtime Salaries-O&M	1,576	945	631	60.0%
24-5306-**-**-**	Scheduled Holiday Work	168	292	(124)	174.1% (1)
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	54,264	44,784	9,480	82.5%
	Total Payroll Costs	159,092	131,093	27,999	82.4%
Other Expenses					
24-5015-**-**-**	Management Support Services	80,000	18,990	61,010	23.7%
24-5017-**-**-**	Legal Fees	2,008	-	2,008	-
24-5027-**-**-**	Insurance - Property/Liability	8,556	5,091	3,465	59.5%
24-5031-**-**-**	Safety Supplies	1,004	-	1,004	-
24-5034-**-**-**	Travel Expense/Tech. Conferences	2,004	300	1,704	15.0%
24-5035-**-**-**	Training Expense	2,004	62	1,942	3.1%
24-5036-**-**-**	Laboratory Supplies	24,500	17,557	6,943	71.7%
24-5038-**-**-**	Permits	199,000	198,664	336	99.8% (6)
24-5039-**-**-**	Membership Dues/Fees	5,564	-	5,564	-
24-5044-**-**-**	Offshore Monitoring	22,004	33,555	(11,551)	152.5% (7)
24-5046-**-**-**	Effluent Chemistry	20,000	1,730	18,270	8.7%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	-
24-5067-**-**-**	Port Cleaning	35,000	-	35,000	-
24-5802-**-**-**	Shipping/Freight	100	-	100	-
24-6500-**-**-**	IT Allocations in to PC's & Depts.	12,728	7,987	4,741	62.8%
	Total Other Expenses	415,476	283,936	131,540	68.3%
	Total Expenses	574,568	415,029	159,539	72.2%
<b>Total O&amp;M Expenses</b>		<b>17,719,855</b>	<b>11,252,844</b>	<b>6,467,011</b>	<b>63.5%</b>

**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**

For the Period Ended February 28, 2021

- (1) O&M overtime is elevated due to staff coverage needed for COVID19 impacts and after hours construction activities.
- (2) Odor levels continue to rise in the collection system resulting in higher levels of Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (3) Foul air system assessment was conducted to ensure that foul air control properly functions after recent system modifications.
- (4) SOCWA permits are primarily paid in July and November each year in compliance with AQMD Rule 1110.2; Fee Increases.
- (5) Janitorial services are elevated due to additional office disinfection and cleaning needs due to the Pandemic.
- (6) Water Quality Fee increases.
- (7) Annual, one-time cost for kelp overflight required by the NPDES permit; Water Quality Fee increases.
- (8) The surge tower site was re-fenced and cleared to discourage unauthorized entry.
- (9) Costs related to required pretreatment ordinance update (PC 08) & preparation of a report of water discharge for recycled water order (PC 12)
- (10) Annual priority pollutants testing as required by NPDES permit.
- (11) Additional fuel purchases have been required at CTP due to several extended power outages and construction-related shutdowns.
- (12) Engine repairs and equipment overhauls have required engine shutdowns and electricity purchases.
- (13) Tree removals from emergency projects in response to Santa Ana Winds.
- (14) Construction related expenses.
- (15) Emergency water line repairs completed at RTP.
- (16) Purchasing related to valves and actuators replacement for AWT.

Exhibit E-2

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

For the Period Ended February 28, 2021  
(in dollars)

		<b>FY 2020-21 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary and Fringe</b>					
01-5000-03-00-00	Regular Salaries-O&M	196,836	102,217	94,619	51.9%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	103,621	53,810	49,811	51.9%
	<b>Total Payroll Costs</b>	<b>300,457</b>	<b>156,027</b>	<b>144,430</b>	<b>51.9%</b>
<b>Other Expenses</b>					
01-5022-03-00-00	Miscellaneous Expense	3,184	1,918	1,266	60.2%
01-5023-03-00-00	Office Supplies - All	208	31	177	14.9%
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	664	713	48.2%
01-5061-03-00-00	Mileage	510	47	463	9.1%
01-5309-03-00-00	Operating Leases	6,829	5,408	1,421	79.2%
01-5705-03-00-00	Monthly Car Allowance	4,200	2,795	1,405	66.5%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	50,794	31,872	18,922	62.7%
	<b>Total Other Expenses</b>	<b>76,810</b>	<b>42,734</b>	<b>34,077</b>	<b>55.6%</b>
	<b>Total Engineering Expenses</b>	<b>377,267</b>	<b>198,761</b>	<b>178,507</b>	<b>52.7%</b>



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

For the Period Ended February 28, 2021

(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
<b>Salary and Fringe</b>					
01-6000-04-00-00	Regular Salaries-Admin or IT	944,542	581,797	362,745	61.6%
01-6001-04-00-00	Overtime Salaries-Admin or IT	20,000	23,483	(3,483)	117.4% (1)
01-6315-04-00-00	Comp Time - Admin	15,000	5,975	9,026	39.8%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	497,236	311,688	185,548	62.7%
	<b>Total Payroll Costs</b>	<b>1,476,778</b>	<b>922,943</b>	<b>553,835</b>	<b>62.5%</b>
<b>Other Expenses</b>					
01-5018-04-00-00	Public Notices/ Public Relations	-	2,180	(2,180)	- (2)
01-6101-04-00-00	HR Recruitment & Employee Relations	26,500	6,289	20,211	23.7%
01-6102-04-00-00	Subscriptions	2,040	1,634	406	80.1%
01-6200-04-00-00	Management Support Services	102,000	41,046	60,954	40.2%
01-6201-04-00-00	Audit	44,900	32,500	12,400	72.4%
01-6202-04-00-00	Legal	200,000	186,526	13,474	93.3% (3)
01-6204-04-00-00	Postage	4,000	458	3,542	11.4%
01-6223-04-00-00	Office Supplies - Admin	6,120	3,038	3,082	49.6%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	1,310	(310)	131.0%
01-6234-04-00-00	Memberships & Trainings	88,950	41,658	47,292	46.8%
01-6239-04-00-00	Travel & Conference	10,965	2,063	8,902	18.8%
01-6240-04-00-00	Scholarship Sponsorship		1,000	(1,000)	-
01-6241-04-00-00	Education Reimbursement	3,000	1,500	1,500	-
01-6310-04-00-00	Miscellaneous	23,460	11,863	11,597	50.6%
01-6311-04-00-00	Mileage	1,211	26	1,185	2.1%
01-6317-04-00-00	Contract Services Misc	5,610	3,664	1,946	65.3%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	116,635	73,186	43,449	62.7%
01-6601-04-00-00	Shipping/Freight	3,740	2,210	1,530	59.1%
01-6705-04-00-00	Monthly Car Allowance	12,000	7,985	4,015	66.5%
	<b>Total Other Expenses</b>	<b>652,131</b>	<b>420,135</b>	<b>231,996</b>	<b>64.4%</b>
	<b>Total Admin Expenses</b>	<b>2,128,909</b>	<b>1,343,078</b>	<b>785,831</b>	<b>63.1%</b>

- (1) Overtime salary and comp should be considered together, 84.2% expended
- (2) Publication fee for ordinance
- (3) JPA Revision projected over budget, \$50,000, for Legal line item

**South Orange County Wastewater Authority**  
**Budget vs. Actual Comparison-IT**  
 For the Period Ended February 28, 2021  
 (in dollars)

		<b>FY 2020-21 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary &amp; Fringe</b>					
01-6000-05-00-00	Regular Salaries-Admin or IT	93,909	66,543	27,366	70.9%
01-6001-05-00-00	Overtime Salaries-Admin or IT	-	-	-	-
01-6315-05-00-00	Comp Time - IT	5,000	-	5,000	-
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	49,437	35,030	14,407	70.9%
	<b>Total Salary &amp; Fringe</b>	<b>148,346</b>	<b>101,573</b>	<b>46,773</b>	<b>68.5%</b>
<b>Other Expenses</b>					
01-5028-05-00-00	Small Tools & Supplies	1,000	-	1,000	-
01-5035-05-00-00	Training Expense	2,000	1,725	275	86.3%
01-5037-05-00-00	Office Equipment	600	-	600	-
01-6234-05-00-00	Memberships & Trainings	1,375	-	1,375	-
01-6239-05-00-00	Travel & Conference	1,750	-	1,750	-
01-6300-05-00-00	Software Maintenance Agreements	38,779	25,426	13,353	65.6%
01-6301-05-00-00	Hardware Maintenance Agreements	7,126	1,305	5,821	18.3%
01-6302-05-00-00	Cloud Subscriptions (Internet)	148,369	80,410	67,959	54.2%
01-6303-05-00-00	Telecommunications	150,534	89,734	60,800	59.6%
01-6305-05-00-00	IT Professional Services	108,060	94,801	13,259	87.7%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	29,200	8,336	20,864	28.5%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	26,908	12,646	14,262	47.0%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	55,200	36,375	18,825	65.9%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
01-6312-05-00-00	Computer & Photocopy Supplies	-	2,224	(2,224)	-
	<b>Total Other Expenses</b>	<b>576,061</b>	<b>352,982</b>	<b>223,079</b>	<b>61.3%</b>
	<b>Total Expenses before Allocation</b>	<b>724,407</b>	<b>454,555</b>	<b>269,852</b>	<b>62.7%</b>
<b>IT Allocations (Out) to PC's &amp; Depts</b>					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(724,407)	(454,555)	(269,852)	62.7%
	<b>Total IT Allocations (Out) to PC's &amp; Depts</b>	<b>(724,407)</b>	<b>(454,555)</b>	<b>(269,852)</b>	<b>62.7%</b>

# Agenda Item

# 5E

**Meeting Date:** April 1, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Jim Burror, Director of Operations  
**SUBJECT:** February 2021 Operations Report

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## Summary/Discussion

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

1. Monthly Operational Report

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, 2021

## Excursion, Complaint, and Violation Events

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

## Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.31	7.48	6.50	0.64	16.94
Effluent (mgd)	2.28	4.27	6.50	1.31	14.35
Peak Flow (mgd)	5.60	17.23	12.18	10.00	45.01
Influent BOD (mg/l)	259	278	273	360	
Influent TSS (mg/l)	352	346	617	443	
Effluent BOD (mg/l)	7.3	4.7	7.5	8.8	
Effluent TSS (mg/l)	9.2	8.2	8.4	9.8	
Effluent Turbidity (NTU)	2.9	4.0	3.9	4.0	

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

## Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.50	3.21		3.71
Days of Operation (days)	28	28		
Total Flow (million gallons)	13.9	89.9		103.9
Plant Irrigation (million gallons)	0.00	0.02	0.32	
AWT Time Online (%)	100.0	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, 2021 (cont'd)

## Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		712.2	0.0	712.2
Nursery Products (tons)		351.2	650.2	1,001.5
Prima Deshecha (tons)		0.0	165.6	165.6
Other: (tons)		0.0	0.0	0.0
Total Processed (tons)		1,063.4	815.8	1,879.2

## Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	102	501	355	958
Corrective Maintenance	27	152	64	243

## Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	1	0	0	1
Residents	0	0	0	0
Others	6	2	5	13
Tours #/Visitors	1	0	0	1

## Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	6.0	28.6	NA	34.6

## Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	35.8	NA	35.8
Utility Power Purchase (kWh)	187,701	48,172	145,646	381,519
Cogen Power (kWh)		520,373	418,813	939,186
Natural Gas (Dth)	NA	1,502	1,083	2,585
Digester Gas to Engine (scfm)		7,792,338	5,726,884	13,519,222
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		723,626	212,107	935,733
Digester Gas Power Savings		\$59,610		

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, 2021 (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	1.472	61.61%				1.47
EBSB	0.046	1.92%				0.05
SCWD	0.872	36.47%		1.337	18.72%	2.21
MNWD	0.000	0.00%	7.48	1.400	19.61%	8.88
CSJC				2.226	31.17%	2.23
SMWD				2.178	30.51%	2.18
<b>Total</b>	<b>2.390</b>	<b>100.00%</b>	<b>7.48</b>	<b>7.141</b>	<b>100.00%</b>	<b>17.01</b>

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

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.47	10.97%	1.47	
EBSB				0.05	0.34%	0.05	
SCWD	1.54	10.92%		0.68	5.05%	2.22	Includes Desalters
MNWD	2.92	20.73%		4.27	31.81%	7.19	
ETWD				2.61	19.46%	2.61	Direct Outfall Only
CSJC	2.37	16.83%				2.37	Includes Desalter
SMWD	3.95	28.08%				3.95	Includes Chiquita
CSC	3.30	23.44%				3.30	Direct Outfall Only
IRWD				4.34	32.37%	4.34	Direct Outfall Only
<b>Total</b>	<b>14.08</b>	<b>100.00%</b>	<b>2.63</b>	<b>13.42</b>	<b>100.00%</b>	<b>27.50</b>	

# SOCWA Operational Report February, 2021 (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%	2.070	33.06%	2.226	31.17%	2.17	31.11%
MNWD	3.00	23.08%	1.400	22.36%	1.400	19.61%	1.40	20.08%
SCWD	3.75	28.85%	1.691	27.01%	1.337	18.72%	1.71	24.53%
SMWD	2.25	17.31%	1.100	17.57%	2.178	30.51%	1.69	24.28%
<b>Total</b>	<b>13.00</b>	<b>100.00%</b>	<b>6.261</b>	<b>100.00%</b>	<b>7.141</b>	<b>100.00%</b>	<b>6.97</b>	<b>100.00%</b>

### 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%	5,706	27.34%	6,566	21.56%	5,992	26.41%
MNWD	8,340	21.62%	3,859	18.49%	7,298	23.97%	5,814	25.63%
SCWD	7,715	20.00%	5,181	24.83%	5,231	17.18%	5,848	25.78%
SMWD	10,946	28.38%	6,122	29.34%	11,354	37.29%	5,032	22.18%
<b>Total</b>	<b>38,573</b>	<b>100.00%</b>	<b>20,868</b>	<b>100.00%</b>	<b>30,449</b>	<b>100.00%</b>	<b>22,687</b>	<b>100.00%</b>

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.62%	2.867	23.61%	3.300	23.44%	2.767	23.93%
CSJC	11.08%	2.460	20.26%	2.370	16.83%	2.452	21.21%
MNWD(3)	15.51%	2.115	17.42%	2.919	20.73%	2.226	19.25%
SCWD	12.47%	1.845	15.20%	1.538	10.92%	1.917	16.58%
SMWD	44.32%	2.855	23.51%	3.953	28.08%	2.200	19.03%
<b>Total</b>	<b>100.00%</b>	<b>12.142</b>	<b>100.00%</b>	<b>14.080</b>	<b>100.00%</b>	<b>11.562</b>	<b>100.00%</b>

(1) Influent billing meter summary:

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

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

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



# SOCWA Operational Report February, 2021 (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%	1.620	60.25%	1.472	61.61%	1.568	59.66%
EBS	0.20	2.99%	0.050	1.86%	0.046	1.92%	0.088	3.33%
SCWD	2.00	29.85%	1.019	37.90%	0.872	36.47%	0.972	37.00%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.689	100.00%	2.390	100.00%	2.628	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	0.01422	0.1874%	0.0000	0.0139	0.0139	0.1832%	0.0141	0.1794%
EBS	0.00044	0.0058%	0.0000	0.0004	0.0004	0.0057%	0.0008	0.0099%
SCWD	0.00893	0.1177%	0.0000	0.0082	0.0082	0.1084%	0.0087	0.1110%
ETWD	0.01411	0.1859%	0.0000	0.0151	0.0151	0.1991%	0.0156	0.1991%
MNWD	7.55200	99.5033%	7.4818	0.0636	7.5454	99.5036%	7.8152	99.5006%
Total	7.58970	100.0000%	7.4818	0.1012	7.5830	100.0000%	7.8545	100.0000%

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

# SOCWA Operational Report February, 2021 (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%	5,770	15.34%	130,930	13.72%	143,458	13.65%
EBSD	295	0.59%	180	0.48%	4,078	0.43%	7,867	0.75%
SCWD	4,480	8.96%	3,626	9.64%	77,508	8.12%	88,805	8.45%
ETWD	10,200	20.41%	5,701	15.15%	142,342	14.92%	159,595	15.19%
MNWD	29,395	58.82%	22,346	59.39%	599,422	62.81%	651,185	61.96%
Total	49,975	100.00%	37,623	100.00%	954,280	100.00%	1,050,910	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	11.000%	1.89	17.73%	1.472	10.97%	1.568	16.76%
EBSD	0.780%	0.05	0.47%	0.046	0.34%	0.088	0.94%
ETWD	16.302%	2.46	23.08%	2.612	19.46%	2.098	22.43%
IRWD	15.760%	2.48	23.26%	4.344	32.37%	2.353	25.16%
MNWD	43.848%	3.08	28.89%	4.270	31.81%	2.922	31.24%
SCWD	12.310%	0.70	6.57%	0.678	5.05%	0.324	3.47%
Total	100.000%	10.66	100.00%	13.422	100.00%	9.354	100.00%

## SOCWA Operational Report February 2021 (cont'd)

### *Select Critical Equipment Repairs*

#### JBL - PC2

Replaced failed Air Compressor for DAFT #1, which had become inoperable.  
Rebuilt DAFT #1 flights and wipers, which had failed due to an SDGE power outage.  
Repaired the 9-Side Grit Conveyor wiper blade, which had become corroded.  
Installed locking mechanisms for 9-Side Grit Basin covers for safety considerations.  
Installed locking mechanisms for 9-Side Headworks Influent Channel covers for safety considerations.  
Repaired leaking sump pump piping and sampler port at the outfall sampling station.  
Prepared for the upcoming Digester cleaning project.  
Performed four overnight shutdowns to support the outfall junction structure project work.  
Fabricated covers to replace failed foul air components and assisted in a leak investigation.  
Performed a cover repair and replaced a failing redex coupling for Centrifuge #2.

#### CTP - PC15

Plumbed a grit channel bypass for the ongoing channel rehabilitation project.  
Replaced the East Low-Pressure Blower, which had failed on low pressure.  
Cleared out the Grit Channel and West Primary Influent Channel to prepared for upcoming construction work.  
Removed West Primary Influent Channel Agitation airlines and installed bypass valve for upcoming construction work.  
Painted the maintenance shop walls and ceiling as well as coated the floor.  
Directed contracted sludge loads from CTP to RTP due to export sludge pipe blockage until the pipe was cleared.  
Removed and repaired the Center Rotor Screen gearbox and pillow block bearings due to age and excessive wear.  
Replaced failing speed railing around some drainage ditches.  
Removed DAFT Recirculation Pump pad for ongoing repair work.

#### RTP - PC17

Replaced Scrubber #2 Caustic Chemical Tank, which was leaking.  
Replaced two WAS Pump rotating assemblies due to seal failures.  
Rebuilt the failed priming unit on Interstage Pump #2.  
Installed new bearings and replaced all seals for Centrifuge #2 for the 8k service.  
Cleared Digester Gas Management Building basement drains which had become clogged.

#### Support Services - ALL PC'S

Troubleshoot SCADA screen for the Digester 1&2 HMI, which failed at JBL.  
Modified the Primary Sludge Pump #6 cycle delay at RTP to improve process control.  
Troubleshoot the Primary Sludge Valve programming at CTP to improve process control.  
Relocated the Effluent Pump Station Bubbler to improve pump controls.

SOCWA Operational Report February 2021 (cont'd)

*Select Critical Equipment Repairs (cont'd)*

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

Modified the Primary Sludge Valve programming at CTP to improve process control.  
Tested and modified setpoints for the East Primary Valve program at CTP.  
Replaced failed overload heaters for Primary Roof Fan starter at RTP.  
Troubleshoot pneumatic solenoid and replaced failed gaskets on the AWT Cell #5 at RTP.  
Replaced failed circuit for the East Primary Sludge Valve at CTP.  
Replaced failed instrument air compressor bubbler control box at JBL.  
Replaced failed VFD controls for DAFT #1 at JBL.  
Replaced failed wiring for DAFT 2 at JBL.  
Replaced faulty flowmeter caused by water intrusion on the Waste Gas Burner at JBL.  
Replaced failed VAPEX booster pump at JBL.  
Performed repairs on Truck Bay Door #1 at JBL.  
Replaced failed scrubber caustic stage 2/3 motor at JBL.

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

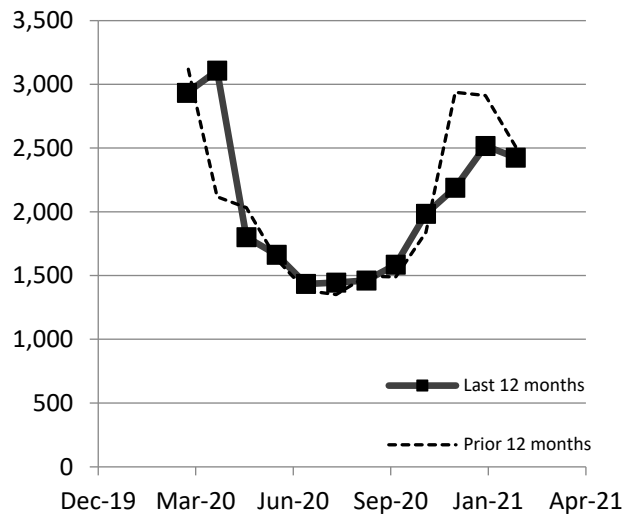
# SOCWA Ocean Outfall Discharges by Agency

## SOCWA Outfall Discharge Report February, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.47	10.97%	1.47
EBSB			0.05	0.34%	0.05
SCWD	1.54	10.92%	0.68	5.05%	2.22
MNWD	2.92	20.73%	4.27	31.81%	7.19
ETWD			2.61	19.46%	2.61
CSJC	2.37	16.83%			2.37
SMWD	3.95	28.08%			3.95
CSC	3.30	23.44%			3.30
IRWD			4.34	32.37%	4.34
<b>Total</b>	<b>14.08</b>	<b>100.00%</b>	<b>13.42</b>	<b>100.00%</b>	<b>27.50</b>
or Acre-Feet per year equivalent					30,803

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

Feb-21	2,425
Jan-21	2,516
Dec-20	2,189
Nov-20	1,985
Oct-20	1,586
Sep-20	1,461
Aug-20	1,445
Jul-20	1,434
Jun-20	1,663
May-20	1,801
Apr-20	3,107
Mar-20	2,933
<b>Total</b>	<b>24,545</b>



# Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

February 2021

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	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	FLOW MGD	inches
02/01/21	3.357	22.0	8.8	<0.3	2.687	10.4	5.1	<0.1	4.800	8.6	4.0	<0.1	2.610	4.2	5.0	<0.1	0.416	0.566	0.103	14.539	0.00
02/02/21	3.715	19.0	7.7	<0.3	3.323	13.2	6.3	<0.1	5.48	8.1	4.0	0.2	2.566	3.6	4.0	0.1	0.163	0.302	0.108	15.657	0.00
02/03/21	3.464	23.0	8.0	<0.3	4.389	11.4	5.0	<0.1	3.310	12.0	5.0	0.1	2.568	10.5	7.0	0.1	0.313	0.429	0.015	14.488	0.00
02/04/21	3.464	11.0	7.5	<0.3	3.604	19.2	8.6	<0.1	5.220	9.3	4.0	0.1	2.615	12.6	8.0	0.1	0.417	0.593	0.002	15.915	0.00
02/05/21	3.465	17.0	7.9	<0.3	2.890	20.0	9.4	<0.1	5.710	7.5	5.0	0.2	2.540	37.2	15.0	0.1	0.416	0.588	0.003	15.612	0.01
02/06/21	3.407	7.2		<0.3	3.971	25.3		0.1	5.510	9.3	6.0		2.018	11.9	9.0		0.417	0.586	0.122	16.031	0.00
02/07/21	3.398	17.0	7.9	<0.3	3.470	25.3		0.1	7.410	8.2	5.0	0.2	2.043	5.2	6.0		0.416	0.584	0.114	17.435	0.00
02/08/21	3.398	9.8	7.3	<0.3	3.316	23.3	8.7	0.1	6.570	8.8	4.0	<0.1	2.330	8.5	8.0	<0.1	0.417	0.581	0.133	16.745	0.00
02/09/21	3.397	14.0	7.6	<0.3	2.174	25.0	9.0	0.1	5.720	7.4	4.0	0.1	2.526	11.0	9.0	<0.1	0.416	0.578	0.144	14.955	0.00
02/10/21	3.329	14.0	8.4	<0.3	1.908	29.0	10.9	0.1	5.370	8.4	4.0	0.1	1.433	10.8	7.0	<0.1	0.417	0.575	0.146	13.178	0.00
02/11/21	3.321	9.1	6.6	<0.3	2.873	25.7	10.7	0.1	5.490	9.0	5.0	0.2	2.093	11.1	7.0	0.1	0.416	0.575	0.128	14.896	0.00
02/12/21	3.322	17.0	8.7	<0.3	1.392	26.0	11.8	0.1	5.370	9.1	4.0	0.1	2.087	10.0	7.0	0.1	0.416	0.572	0.126	13.285	0.06
02/13/21	3.321	14.0		<0.3	3.256	22.0		0.1	5.330	8.9	4.0		2.213	8.8	7.0		0.416	0.570	0.142	15.248	0.00
02/14/21	3.322	17.0	9.2	<0.3	3.381	23.0		0.1	5.570	8.8	5.0	<0.1	2.269	9.0	8.0		0.417	0.569	0.134	15.662	0.00
02/15/21	3.314	18.0	9.0	<0.3	2.722	23.3	11.4	0.1	5.550	7.6	5.0	<0.1	2.405	2.3	4.0	<0.1	0.416	0.568	0.115	15.090	0.00
02/16/21	3.323	16.0	>22.0	<0.3	2.630	25.3	11.5	0.1	5.750	8.0	4.0	<0.1	2.166	3.0	7.0	<0.1	0.416	0.565	0.135	14.985	0.01
02/17/21	3.325	13.0	>22.0	<0.3	1.466	18.7	6.6	0.1	5.330	6.4	4.0	0.2	1.983	6.7	6.0	0.1	0.416	0.565	0.129	13.214	0.01
02/18/21	3.320	17.0	9.5	<0.3	1.418	18.3	6.7	0.1	4.630	11.5	5.0	0.1	2.120	5.1	5.0	0.1	0.416	0.564	0.157	12.625	0.00
02/19/21	3.403	18.0	8.9	<0.3	2.862	19.7	8.0	<0.1	2.070	11.0	6.0	0.2	1.975	16.5	11.0	0.1	0.416	0.562	0.123	11.411	0.00
02/20/21	3.412	17.0		<0.3	2.462	19.7		<0.1	2.450	8.5	5.0		2.086	13.9	10.0		0.416	0.562	0.139	11.527	0.00
02/21/21	3.327	19.0	7.7	<0.3	3.165	27.0		<0.1	4.050	6.2	5.0	<0.1	2.214	2.3	4.0		0.416	0.562	0.021	13.755	0.00
02/22/21	3.321	16.0	8.2	<0.3	2.670	22.0	9.3	0.1	2.540	6.8	4.0	<0.1	2.290	7.6	5.0	<0.1	0.416	0.560	0.000	11.797	0.00
02/23/21	3.308	15.0	7.8	<0.3	1.213	20.0	7.7	0.1	0.870	7.2	5.0	<0.1	2.028	7.4	8.0	<0.1	0.118	0.560	0.004	8.101	0.00
02/24/21	3.313	20.0	9.1	<0.3	1.333	20.3	8.6	0.5	0.830	8.6	5.0	0.1	1.944	7.1	8.0	0.1	0.293	0.561	0.001	8.275	0.00
02/25/21	3.317	20.0	9.0	<0.3	1.656	17.0	5.4	0.2	1.850	7.3	4.0	0.1	1.646	8.7	6.0	<0.1	0.293	0.555	0.001	9.318	0.00
02/26/21	2.923	18.0	8.4	<0.3	1.412	18.3	7.2	<0.1	1.990	6.1	5.0	0.1	2.308	10.1	9.0	<0.1	0.834	0.532	0.002	10.001	0.00
02/27/21	3.445	17.0		<0.3	2.681	20.0		<0.1	2.470	6.6	6.0		2.299	11.0	8.0		0.836	0.531	0.002	12.264	0.00
02/28/21	3.450	10.0	5.5	<0.3	2.813	25.0		0.1	2.320	5.8	6.0	<0.1	2.118	2.7	7.0		0.837	0.531	0.002	12.071	0.00
AVG	3.364	15.9	9.3	<0.3	2.612	21.2	8.4	<0.1	4.270	8.2	4.7	<0.1	2.196	9.2	7.3	<0.1	0.429	0.552	0.080	13.503	
TOTAL	94.18				73.14				119.56				61.49				12.01	15.45	2.251	378.08	0.09



Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2021  
 REPORT DUE: April 1 2021  
 SAMPLE SOURCE: Surf zone  
 TYPE OF SAMPLE: Grab

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

Tidal Condition: Low Tide 0720

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	02/03/21	0950	<10	<10	<2	None	None	None	None	Green	62	Slightly Turbid		
S4	02/03/21	0929	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	02/03/21	0920	10	<10	2	None	None	None	None	Green		Slightly Turbid		
S6	02/03/21	0900	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	02/03/21	0855	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S7	02/03/21	0850	10	10	2	None	None	None	None	Green		Slightly Turbid		
S8	02/03/21	0845	<10	<10	<2	None	None	None	None	Green		Turbid		
S9	02/03/21	0827	100	10	6	None	None	None	None	Green		Slightly Turbid		
ACM1	02/03/21	0825	300	10	20	None	None	None	None	Green		Turbid		
S10	02/03/21	0755	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	02/03/21	0750	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	02/03/21	0745	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		

RECREATIONAL 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 2021  
 REPORT DUE: April 1, 2021  
 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 737

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	02/10/21	750	20	<10	<2	None	None	None	None	Green	60	Clear		
S4	02/10/21	1020	10	<10	<2	None	None	None	None	Green		Clear		
S5	02/10/21	1005	<10	<10	4	None	None	None	None	Green		Clear		
S6	02/10/21	945	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/10/21	940	<10	<10	<2	None	None	None	None	Green		Clear		
S7	02/10/21	935	<10	<10	<2	None	None	None	None	Green		Clear		
S8	02/10/21	925	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	02/10/21	910	10	<10	2	None	None	None	None	Green		Clear		
ACM1	02/10/21	845	60	10	50	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	02/10/21	835	10	<10	<2	None	None	None	None	Green		Clear		
S11	02/10/21	825	10	<10	<2	None	None	None	None	Green		Clear		
S12	02/10/21	815	30	<10	20	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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 0632  
 Weather: Clear  
 COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	02/17/21	1005	<10	<10	<2	None	None	None	None	Green	61	Slightly Turbid		
S4	02/17/21	0945	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	02/17/21	0930	20	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	02/17/21	0905	10	<10	<2	None	None	None	None	Green		Turbid		
WEST	02/17/21	0900	<10	<10	<2	None	None	None	None	Green		Turbid		
S7	02/17/21	0855	<10	<10	10	None	None	None	None	Green		Turbid		
S8	02/17/21	0850	<10	<10	<2	None	None	None	None	Green		Turbid		
S9	02/17/21	0831	<20	<20	<10	None	None	None	None	Green		Turbid	Flowing	
ACM1	02/17/21	0830	<20	<20	<10	None	None	None	None	Green		Turbid	Flowing	
S10	02/17/21	0800	10	<10	<2	None	None	None	None	Green		Turbid		
S11	02/17/21	0755	<10	<10	<2	None	None	None	None	Green		Turbid		
S12	02/17/21	0750	10	<10	<2	None	None	None	None	Green		Turbid		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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 0555

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	02/23/21	1050	<10	<10	<2	None	None	None	None	Green	58	Clear		
S4	02/23/21	1020	<10	<10	<2	None	None	None	None	Green		Clear		
S5	02/23/21	1000	<10	<10	2	None	None	None	None	Green		Clear		
S6	02/23/21	945	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/23/21	940	<10	<10	<2	None	None	None	None	Green		Clear		
S7	02/23/21	935	<10	<10	<2	None	None	None	None	Green	58	Clear		
S8	02/23/21	915	100	<10	2	None	None	None	None	Green		Clear		
S9	02/23/21	900	20	10	2	None	None	None	None	Green		Clear		
ACM1	02/23/21	910	200	20	26	None	None	None	None	Green		Clear	Flowing	
S10	02/23/21	840	<10	10	<2	None	None	None	None	Green		Clear		
S11	02/23/21	830	<10	<10	2	None	None	None	None	Green		Clear		
S12	02/23/21	820	170	70	32	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 ACOO
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 2021

REPORT DUE: April 1, 2021

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: Low Tide 720

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	02/03/21	<2	<2	<2	800	0	0	
A-1	Mid depth	02/03/21	<10	<10	<10				
A-2	Surface	02/03/21	<2	<2	<2	747	0	0	
A-2	Mid depth	02/03/21	10	<10	<10				
A-3	Surface	02/03/21	<2	<2	<2	751	0	0	
A-3	Mid depth	02/03/21	30	<10	<10				
A-4	Surface	02/03/21	2	<2	<2	802	0	0	
A-4	Mid depth	02/03/21	<10	<10	<10				
A-5	Surface	02/03/21	<2	<2	<2	756	0	0	
A-5	Mid depth	02/03/21	10	<10	<10				
B-1	Surface	02/03/21	2	<2	<2	740	0	0	
B-1	Mid depth	02/03/21	10	<10	<10				
B-2	Surface	02/03/21	<2	<2	<2	810	0	0	
B-2	Mid depth	02/03/21	<10	<10	<10				
N1	Surface	02/03/21	212	2	<2	828	0	0	
N2	Surface	02/03/21	2	4	<2	826	0	0	
N3	Surface	02/03/21	6	2	<2	823	0	0	
N4	Surface	02/03/21	10	2	<2	822	0	0	
N5	Surface	02/03/21	10	10	2	820	0	0	
N6	Surface	02/03/21	8	<2	<2	819	0	0	
N7	Surface	02/03/21	4	<2	<2	818	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 2021**

ACOO Permit Order No. R9-2012-0013							
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 - 2021  
Order No. R9-2012-0013 ~ 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 reported during this reporting period.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

February 2021

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC	SCWD	SJCOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	Desalter FLOW MGD	Desalter FLOW MGD	FLOW MGD	Fall inches
02/01/21	6.850	9.1	9.6	<0.1	3.866	8.0	8.0	<0.1	2.571	10.8	6.9	0.6	1.520	15.2	13.4	ND	0.354	0.201	15.370	0.00
02/02/21	7.250	5.3	5.8	<0.1	3.150	7.8	8.0	<0.1	1.977	9.0	7.9	0.4	1.129	15.4	13.5	ND	0.355	0.206	15.550	0.00
02/03/21	8.150	6.8	8.5	0.2	3.213	8.0	10.0	<0.1	2.537	9.0	5.1	0.1	1.838	14.4	11.8	ND	0.352	0.201	14.120	0.00
02/04/21	7.160	9.1	7.2	0.2	3.919	7.5	7.0	<0.1	2.640	8.0	4.7	0.1	1.563	13.4	11.4	ND	0.328	0.206	16.410	0.00
02/05/21	6.670	8.6	6.1	0.1	3.852	10.2	8.0	<0.1	1.891	9.8	4.5	0.5	1.594				0.328	0.201	15.810	0.01
02/06/21	6.530	7.4	6.1		3.846				3.035				1.561				0.326	0.201	14.830	0.00
02/07/21	6.580	8.9	8.0		4.005				2.362				1.551	17.8	10.0	ND	0.313	0.204	15.180	0.00
02/08/21	7.360	15.5	13.7	<0.1	4.162	8.0	7.0	<0.1	2.102	10.0	8.1	0.3	1.570	18.4	13.6	ND	0.089	0.201	15.950	0.00
02/09/21	7.640	10.2	8.0	<0.1	3.760	7.4	9.0	<0.1	3.523	9.4	8.6	0.1	1.085	15.2	13.5	ND	0.000	0.201	15.850	0.00
02/10/21	7.980	6.7	7.2	<0.1	3.813	6.5	6.0	<0.1	1.554	7.5	5.5	<0.1	1.734	12.2	10.6	ND	0.000	0.201	15.490	0.00
02/11/21	7.560	7.1	5.2	0.1	2.961	6.1	7.0	<0.1	2.234	9.6	6.2	1.4	1.578	11.6	10.2	ND	0.000	0.206	14.160	0.00
02/12/21	6.480	8.3	6.3	<0.1	3.201	8.5	8.0	<0.1	2.440	12.2	6.6	0.8	1.524				0.000	0.202	13.690	0.06
02/13/21	6.460	6.7	6.5		2.939				2.370				1.533				0.000	0.201	13.470	0.00
02/14/21	6.660	6.2	8.6		3.362				2.287				1.574	10.6	9.4	ND	0.000	0.204	13.650	0.00
02/15/21	7.780	10.3	8.0	<0.1	3.317	7.4	7.0	<0.1	2.560	65.0	8.6	0.6	1.562	17.8	15.2	ND	0.000	0.201	14.860	0.00
02/16/21	6.980	7.8	9.5	<0.1	3.260	7.2	8.0	<0.1	3.740	54.0	7.0	0.3	1.144	17.6	14.5	ND	0.000	0.201	14.410	0.01
02/17/21	7.490	7.1	7.3	0.1	3.526	8.4	8.0	<0.1	2.302	14.0	7.4	0.6	1.823	16.6	13.5	ND	0.000	0.204	15.030	0.01
02/18/21	6.900	6.4	6.4	0.2	2.997	6.0	6.0	<0.1	0.639	11.2	6.6	0.2	1.608	10.4	8.8	ND	0.000	0.200	14.210	0.00
02/19/21	6.490	6.6	5.4	0.2	3.557	8.3	8.0	<0.1	0.014	8.0	4.6	0.2	1.557				0.000	0.173	11.750	0.00
02/20/21	6.590	6.1	5.3		2.734				0.971				1.571				0.000	0.201	10.670	0.00
02/21/21	6.860	8.2	8.7		3.271				0.661				1.494	13.6	8.6	ND	0.000	0.200	12.170	0.00
02/22/21	6.620	14.2	7.0	0.1	2.944	9.8	7.0	<0.1	1.055	11.1	7.2	0.3	1.507	22.4	12.2	ND	0.000	0.205	11.460	0.00
02/23/21	6.690	7.7	8.2	<0.1	2.364	9.6	9.0	<0.1	1.357	6.5	6.6	0.2	1.113	21.2	17.4	0.3	0.000	0.201	11.950	0.00
02/24/21	7.120	9.3	8.0	0.1	2.666	10.8	6.0	<0.1	1.543	32.5	12.6	0.2	1.416	24.6	17.5	0.2	0.152	0.205	11.920	0.00
02/25/21	7.280	8.0	5.7	0.1	3.010	12.4	7.0	<0.1	0.011	12.3	8.8	0.2	1.727	18.4	14.5	ND	0.462	0.201	12.750	0.00
02/26/21	6.390	11.2	7.0	0.1	3.345	15.2	11.0	<0.1	0.023	6.0	5.0	<0.1	1.567				0.374	0.203	11.150	0.00
02/27/21	7.260	11.6	6.3		2.339				0.012				1.554				0.350	0.205	11.370	0.00
02/28/21	6.490	11.7	18.5		3.028				1.286				1.522	16.0	10.4	ND	0.258	0.200	10.770	0.00
AVG	7.010	8.6	7.8	<0.1	3.300	8.7	7.8	<0.1	1.775	15.8	6.9	<0.4	1.519	16.1	12.5	ND0.0	0.144	0.201	13.714	
TOTAL	196.270				92.407				49.697				42.519				4.041	5.636	384.000	0.09

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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 1051

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S0	02/01/21	902	40	<20	82	None	None	None	None	Green	56	Turbid		
S1	02/01/21	910	60	<20	14	None	None	None	None	Green		Turbid		
S2	02/01/21	949	100	40	120	None	None	None	None	Green		Turbid		
DSB5	02/01/21	839	240	240	80	None	None	None	None	Green		Turbid		
S3	02/01/21	912	20	20	18	None	None	None	None	Green		Turbid		
DSB4	02/01/21	914	20	<20	14	None	None	None	None	Green		Turbid		
S5	02/01/21	935	40	<20	14	None	None	None	None	Green		Turbid		
DSB1	02/01/21	945	60	<20	10	None	None	None	None	Green	56	Turbid		
SJC1	02/01/21	920	200	100	40	None	None	None	None	Green		Turbid	Flowing	

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

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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 0737

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Enterococcus	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							
S0	02/10/21	815	<20	<20	8	None	None	None	None	Green	58	Turbid		
S1	02/10/21	825	<20	60	4	None	None	None	None	Green		Turbid		
S2	02/10/21	755	40	<20	4	None	None	None	None	Green		Turbid		
DSB5	02/10/21	738	2,000	100	3,600	None	None	None	None	Green		Turbid		
S3	02/10/21	829	80	60	<2	None	None	None	None	Green	58	Turbid		
DSB4	02/10/21	831	<20	<20	4	None	None	None	None	Green		Turbid		
S5	02/10/21	840	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB1	02/10/21	845	<20	<20	<2	None	None	None	None	Green		Turbid		
C1	02/10/21	745	200	200	20	None	None	None	None	Green		Turbid	Flowing	

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

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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 0536  
 Weather: Partly Cloudy  
 COMMENTS:

STA#	DATE	TIME	Total	Fecal	Enterococcus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	02/16/21	832	140	60	14	None	None	None	None	Green	58	Slightly Turbid		
S1	02/16/21	845	40	<20	8	None	None	None	None	Green		Slightly Turbid		
S2	02/16/21	825	40	20	24	None	None	None	None	Green		Slightly Turbid		
DSB5	02/16/21	815	100	40	30	None	None	None	None	Green		Slightly Turbid		
S3	02/16/21	849	20	<20	12	None	None	None	None	Green	58	Slightly Turbid		
DSB4	02/16/21	851	40	<20	8	None	None	None	None	Green		Slightly Turbid		
S5	02/16/21	859	20	<20	16	None	None	None	None	Green		Slightly Turbid		
DSB1	02/16/21	905	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
C1	02/16/21	834	300	<100	25	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: February 2021  
 REPORT DUE: April 1, 2021  
 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

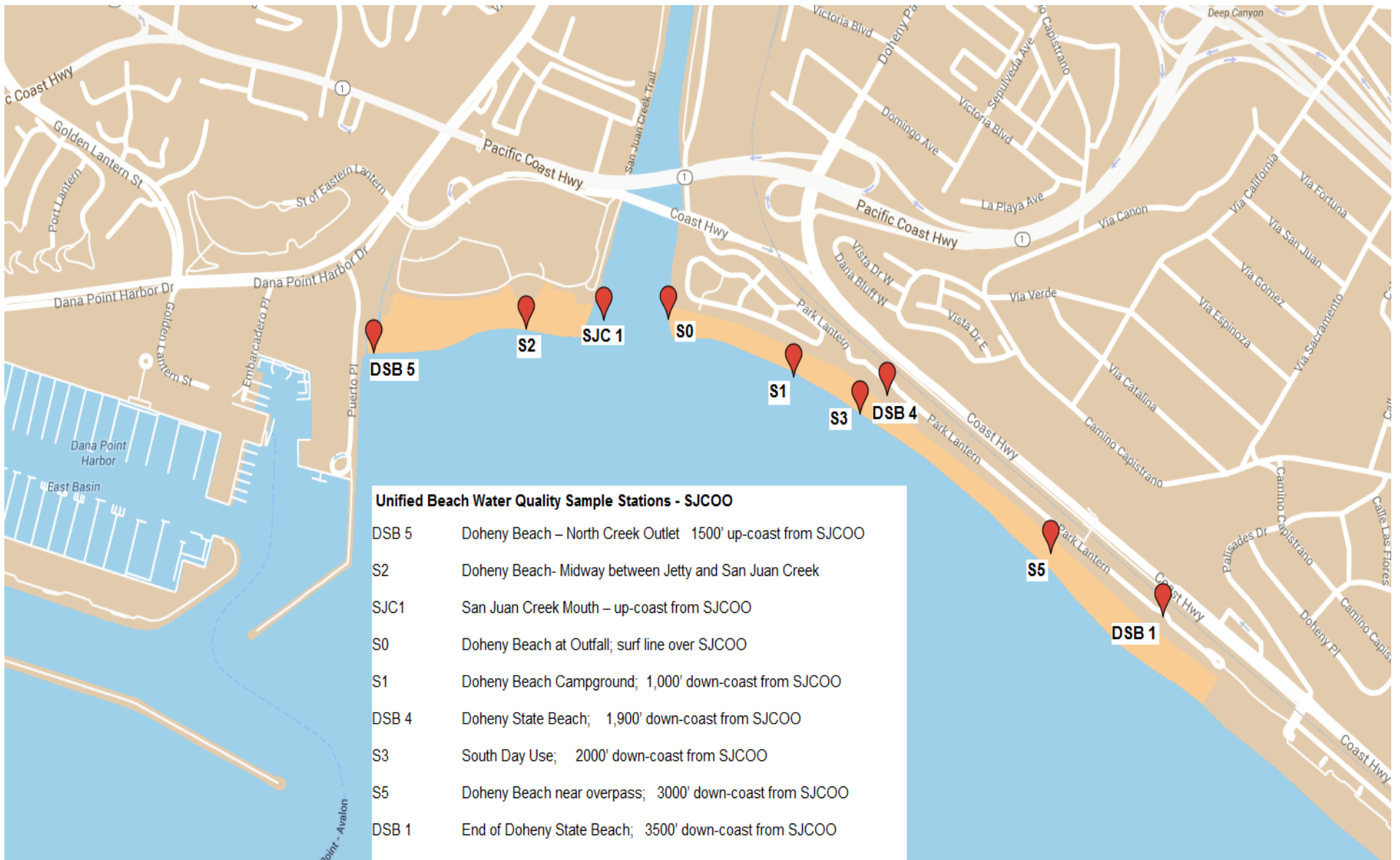
Tidal Condition: High Tide 0507

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	02/22/21	835	<20	<20	<2	None	None	None	None	Green		Turbid		
S1	02/22/21	900	<20	<20	<2	None	None	None	None	Green		Turbid		
S2	02/22/21	830	80	60	<2	None	None	None	None	Green	52	Turbid		
DSB5	02/22/21	814	40	<20	20	None	None	None	None	Green		Turbid		
S3	02/22/21	906	<20	<20	4	None	None	None	None	Green		Turbid		
DSB4	02/22/21	909	<20	20	2	None	None	None	None	Green	47	Turbid		
S5	02/22/21	918	<20	20	<2	None	None	None	None	Green		Turbid		
DSB1	02/22/21	925	<20	<20	<2	None	None	None	None	Green		Turbid		
C1	02/22/21	820	500	100	20	None	None	None	None	Green		Turbid	Flowing	

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



## San Juan Creek Ocean Outfall

### Unified Beach Water Quality Monitoring Stations

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

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



MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

REPORT FOR: February 2021

REPORT FREQUENCY: Monthly

REPORT DUE: April 1, 2021

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 720

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	
A-1	Surface	02/03/21	<2	<2	<2	924	0	0	0 - None
A-1	Mid depth	02/03/21	10	<10	<10				1 - Mild
A-2	Surface	02/03/21	<2	<2	<2	928	0	0	2 - Moderate
A-2	Mid depth	02/03/21	<10	<10	<10				3 - Severe
A-3	Surface	02/03/21	2	<2	<2	932	0	0	
A-3	Mid depth	02/03/21	10	<10	10				
A-4	Surface	02/03/21	<2	<2	<2	938	0	0	
A-4	Mid depth	02/03/21	20	10	<10				
A-5	Surface	02/03/21	<2	<2	<2	935	0	0	
A-5	Mid depth	02/03/21	40	30	<10				
B-1	Surface	02/03/21	<2	<2	<2	918	0	0	
B-1	Mid depth	02/03/21	<10	<10	<10				
B-2	Surface	02/03/21	2	<2	2	947	0	0	
B-2	Mid depth	02/03/21	290	90	50				
N1	Surface	02/03/21	4	<2	<2	908	0	0	
N2	Surface	02/03/21	6	<2	<2	905	0	0	
N3	Surface	02/03/21	2	<2	<2	902	0	0	
N4	Surface	02/03/21	46	28	22	858	0	0	
N5	Surface	02/03/21	48	10	10	855	0	0	
N6	Surface	02/03/21	<2	<2	<2	853	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 2021**

SJCOO Permit Order No. R9-2012-0012							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this reporting period.							



**SOCWA and MEMBER AGENCY FACILITIES  
SJCOO Spill / Overflow Report Log - 2021  
Order No. R9-2012-0012 ~ 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 reporting period.							

# Recycled Water Report

**2021 Compliance Summary Report  
Recycled Water Permit**

<b>Waste Discharge Requirement Order 97 - 52</b>							
<b>Agency - Facility</b>	<b>Violation Date</b>	<b>Constituent</b>	<b>Effluent Limit Violation</b>	<b>Units</b>	<b>Permit Limit</b>	<b>Reported Value</b>	<b>Remarks</b>
SOCWA - RTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	1/7/2021	TDS	12-Month	mg/L	1000	1141	
SOCWA - RTP	1/7/2021	Iron	12-Month	mg/L	0.30	0.47	
MNWD - 3A	1/11/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	1/11/2021	TDS	12-Month	mg/L	1000	1112	
SOCWA - CTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/2/2021	Manganese	12-Month	mg/L	0.05	0.13	
SOCWA - RTP	2/2/2021	TDS	12-Month	mg/L	1000	1170	
SOCWA - CTP	2/6/2021	Manganese	12-Month	mg/L	0.05	0.09	

## SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

### QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Feb 28, 2021

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	954	955	843	917	1,112	1,153	982
Chloride	mg/L	375	237	210	200	300	227	258	244
Sulfate	mg/L	400	254	297	233	240	310	345	287
Sodium	mg/L	None	197	163	153	217	188	190	162
Alkalinity	mg/L	None	-	-	-	-	-	263	222
Adjusted SAR	Ratio	None	4.60	4.85	4.83	5.85	4.28	4.33	4.24
Iron	mg/L	0.3	0.016	0.031	0.123	0.009	0.14	0.400	0.140
Manganese	mg/L	0.05	0.007	0.029	0.037	0.016	0.07	0.113	0.074
MBAS	mg/L	0.5	<0.03	0.17	0.16	0.27	ND	<0.08	<0.10
Boron	mg/L	0.75	0.301	0.340	0.333	0.390	0.39	0.390	0.33
Fluoride	mg/L	None	0.34	0.700	0.56	0.57	0.94	0.94	0.81
Total Organic Carbon	mg/L	None	8.3	11.4	11.6	8.8	3.1	11.3	8.5

\*\*\* 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) 2021

Agency	Facility or Region	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00											0.00
CSJC 2	Chiquita/SMWD	18.21	22.92											41.13
CSJC 3	Non-Domestic Wel	0.00	0.00											
ETWD	Region 8	53.03	75.50											128.53
IRWD														0.00
4	IRWD - 8	66.48	39.90											106.38
4	IRWD - 9	23.71	19.32											43.03
SCWD	SOCWA CTP	68.70	42.73											111.43
MNWD	JRP	151.70	275.99											427.68
	3-A Plant	59.99	0.00											59.99
5	CTP	29.42	2.50											31.93
SMWD	Oso Creek	148.61	121.98											270.59
	Chiquita	438.61	284.46											723.06
	Nichols	1.61	1.50											3.11
TCWD	RRWRP	50.41	43.87											94.27
TOTALS		1110.47	930.66											2041.13

- 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

# 5E

**Legal Counsel Review:** No

**Meeting Date:** April 1, 2021

**TO:** SOCWA Board of Directors

**FROM:** Betty Burnett, General Manager

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

**SUBJECT:** Monthly Pretreatment Report, February and March 2021  
San Juan Creek Ocean Outfall  
NPDES Permit #CA0107417 Order #R9-2012-0012  
Aliso Creek Ocean Outfall  
NPDES Permit #CA0107611 Order #R9-2012-0013

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## Summary of Program Activities

SOCWA adopted Pretreatment Ordinance 2020-1 on October 1, 2020. Member agencies (MAs) continue the process of amending their pretreatment ordinances. ETWD, SMWD, MNWD, IRWD, CLB, and TCWD have all adopted the new changes. Red line marked versions of each MA ordinance have been provided to MA Staff. MA Staff should reach out with any questions or concerns.

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.

## 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:

MNWD –SWD Permit No. MNWD-4-010-03-26 - ARCO Groundwater Remediation Site, located at 23921 Alicia Parkway, Mission Viejo, CA 92691 – Staff received a renewal permit application on February 26, 2021 and issued a renewal permit on March 12, 2021.

## Trainings and Committee Meetings Attended

Staff virtually attended the 2021 CWEA Pretreatment, Pollution Prevention, and Stormwater (P3S) Conference March 8-11, 2021. Hot topics discussed included: PFAS, Cannabis, Impacts of COVID-19 and EPA audits.

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

**Summary of IWS Activities in the SOCWA Service Area - YTD through March 15, 2021**

<u>MA IUs</u>	<u>Events</u>	<u>Permits</u>	<u>NIWD</u>	<u>BMPs</u>	<u>FSEs</u>	<u>OSEs</u>	<u>DSEs</u>	<u>Closed</u>	<u>Enforcement</u>	<u>Total IUs</u>
CLB (S)	0	3	2	5	8	110	25	0	0	128
CSC (S)	3	10	35	18	181	1295	58	0	0	1597
CSJC (S)	1	3	27	59	137	1666	38	0	1	1930
ETWD (M)	0	3	87	0	262	132	84	0	0	568
EBSU (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	2	4	51	21	63	937	24	0		1100
MNWD (S)	14	4	123	39	629	2089	200	0	0	3084
SMWD (S)	12	6	19	20	204	787	79	2	0	1115
SCWD (S)	0	8	33	7	148	182	27	0	0	405
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	8	1	0	0	0		0	0	9
<b>Totals</b>	<b>32</b>	<b>61</b>	<b>378</b>	<b>169</b>	<b>1632</b>	<b>7231</b>	<b>535</b>	<b>2</b>	<b>1</b>	<b>9981</b>

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

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

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

# Agenda Item

# 5F

**Board of Directors Meeting**

**Meeting Date:** April 1, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Jason Manning, Director of Engineering  
**SUBJECT:** Capital Improvement Program Status Report

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**COVID-19 UPDATE:**

*Currently, all SOCWA Capital Projects are moving forward as planned. We have moved all progress meetings to conference calls and are using electronic communications as much as possible to limit contact with contractors. We are requiring the contractors to practice social distancing and to limit their contact with plant staff.*

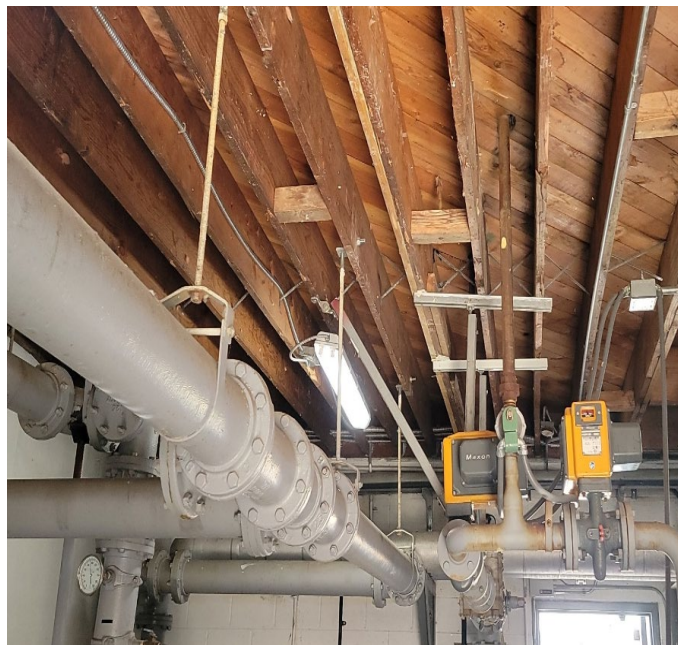
The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages.

Below are photos of the five major construction projects currently underway at SOCWA facilities.

**JB Latham Package B**

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

Secondary sludge collection equipment (left) and Digester Building 3/4 roof (right)



**San Juan Creek Ocean Outfall Junction Structure Rehabilitation**  
*Insertion of duplex stainless steel sleeve to reinforce structure:*

Water being pumped out exposing newly poured concrete (left). Light-weight concrete being poured to fill remaining space in structure (right).



Setting up to begin cutting the top of the structure (left & right) to reduce the overall height of the structure by about four feet.



**Coastal Treatment Plant Facility Improvements**

*New ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades:*

Cutting over new electrical equipment (left & right).



**Coastal Treatment Plant Sludge Force Main Replacement**

*New 6-inch HDPE force main replacing ageing 4-inch (x2) lines from the Coastal Treatment Plant to the Regional Treatment Plant through Aliso Canyon:*

HDPE pipe being delivered to the site (left). Locating the existing 4-inch lines at CTP (right).



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**Regional Treatment Plant Miscellaneous Improvements 2018**

*Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof.*

New dissolution tank being placed (left & right).



**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS**

Quarter	Fiscal Year 20/21				Fiscal Year 21/22			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th
3220; 3231; 3287	C	C	C	C	C	C		
3350	D	D	D					
3221	P	P	P					
3353	D	D	D					
4201	CA	CA	CA	CA				
4204	CA	CA						
4203	P	P	P					
3234				B&A	C	C		
3235; 3227					D	D	D	
3285					B&A	C	C	
42211				P	P			
42212				P	P			
42213				CA	CA			
42214				CA	CA			
42215				CA	CA			
42216				CA	CA			
4211				P	P			
3229					B&A	C	C	
4212				P	P			
4213				P	P			

<b>P</b>	Planning	<b>D</b>	Design
<b>CA</b>	Condition Assessment	<b>B&amp;A</b>	Bidding and Award
<b>ENV</b>	Environmental/Permitting	<b>C</b>	Construction

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS**

		Fiscal Year 20/21				Fiscal Year 21/22			
		Quarter	1st	2nd	3rd	4th	1st	2nd	3rd
3525	Personnel Building Reconstruction			B&A	C	C			
3539	Facility Improvements Construction (Basin and Electrical rehabilitation)	C	C	C	C	C			
3541	Export Sludge System Reconstruction		B&A	C	C	C	C		
3553	Plant Drainage Improvements			B&A	C	C			
4501	Electrical Manhole/Cable Assessment				CA	CA			
4502	Building Roof Condition Assessment				CA	CA			
3542	South Section Embankment Protection	ENV	ENV	ENV	ENV				
45221	Foul Air System Condition Assessment					CA			
45211	Plant Reconfiguration Feasibility Study	P	P	P	P				
35222	Aeration Upgrade Construction					D	B&A	C	C
35223	Chlorine Contact Basin Gates					D	B&A	C	
35221	Auxiliary and Maintenance Building Roofs				B&A	C	C		
3543	Export Sludge Pipeline Replacement at RTP						D	B&A	C
45222	Spatial Utilization Analysis				P	P			

<b>P</b>	Planning	<b>D</b>	Design
<b>CA</b>	Condition Assessment	<b>B&amp;A</b>	Bidding and Award
<b>ENV</b>	Environmental/Permitting	<b>C</b>	Construction



**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS**

		Fiscal Year 20/21				Fiscal Year 21/22			
		Quarter	1st	2nd	3rd	4th	1st	2nd	3rd
3701; 3769; 3751	Miscellaneous Improvement 2018 (Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy	C	C	C					
3753	Aeration Diffuser Upgrade		B&A	C	C				
3742	Aeration System Upgrades (blowers, gates, & controls)			D	D	B&A	C	C	C
3757	Miscellaneous Safety Imps - Liquids					B&A	C	C	C
3776	Effluent Pond Gate Replacement					B&A	C	C	C
3758	AWT No. 2 Reconstruction					B&A	C	C	C
3759	AWT No. 2 Electrical Upgrades					B&A	C	C	C
3766	AWT Hypochlorite Tanks Shade					B&A	C	C	
3773	Cogeneration System Modifications		D	B&A	C	C			
4704	Evaluate Plant and Storm Water Drainage System	P	P						
4703	Laboratory Reconstruction Evaluation		P	P					

<b>P</b>	Planning	<b>D</b>	Design
<b>CA</b>	Condition Assessment	<b>B&amp;A</b>	Bidding and Award
<b>ENV</b>	Environmental/Permitting	<b>C</b>	Construction

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS CONTINUED**

		Fiscal Year 20/21				Fiscal Year 21/22			
Quarter		1st	2nd	3rd	4th	1st	2nd	3rd	4th
17087	Odor Control Chemical Tank					C			
17088	Primary Sedimentation Condition Assessment					CA			
37001; 37002; 3779	MCC A, C, G, H Replacement						B&A	C	C
37002	West Slope Protection				B&A	C			
37003	Admin Building Door & Window Repair					B&A	C		
3775	Aeration Basin Handrail Upgrade						B&A	C	C
3776	Effluent Pond Gate Replacement					B&A	C	C	
3777; 3778	Site Lighting Upgrade					B&A	C		
4701	Interstage Pump Station Condition Assessment						CA		
4702	Site Storage Evaluation							P	P
37223S	Flare Replacement Project							P	P

<b>P</b>	Planning	<b>D</b>	Design
<b>CA</b>	Condition Assessment	<b>B&amp;A</b>	Bidding and Award
<b>ENV</b>	Environmental/Permitting	<b>C</b>	Construction

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS  
(‘20/‘21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECT LIQUIDS</b>			
3220-000	Package B Liquids (Plant 1 Basin repairs, DAF rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
4201-000	Plant 1 Blower Building Condition Assessment	Study	The contract was awarded at the September 5, 2019 SOCWA Board Meeting.
4203-000	Plant Hydraulic Model and Flow Management Plan	Study	The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
3350-000	Motor Control Center 'M' Replacement (2019)	Design	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
<b>CAPITAL IMPROVEMENT PROJECT COMMON</b>			
3231-000	Package B Common (Energy Building seismic retrofit and minor rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3221-000	Electrical System Evaluation	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
4001-000	Plant Drain System Study (2017) (NCP)	Study	TetraTech is proceeding with the mapping of the drain system.
4204-000	Electrical Manhole Condition Assessment	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
 PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS  
 ('19/'20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECT SOLIDS</b>			
3287-000	Package B Solids (Digester 4 rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3353-000	Centrate System Design (2019)	Design	The contract was awarded at the October 3, 2019 SOCWA Board Meeting.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
 PROJECT COMMITTEE NO. 5 - SAN JUAN CREEK OCEAN OUTFALL CAPITAL PROJECTS  
 ('20/'21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECTS</b>			
3650-000	Junction Structure Reinforcement Permitting and Final Design	Design	Phase II contract ammendment for Filanc was approved by the Board in November 2020. Construction in the Junction Structure began in Janaury 2021.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS  
(‘20/’21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECTS LIQUIDS</b>			
3539-000	Facility Improvements (Basin and Electrical Rehabilitation)	Construction	The construction contract for Facility Improvements Project was awarded at the June 6, 2019 SOCWA Board meeting. Task 3595-000 has been combined into this one Task Code.
3534-000	Export Sludge System (1997)	Design	The contract for construction was approved in December 2020 by the Board of Directors. Preliminary construction work will begin in January 2021.
3525-000	Personnel Building Reconstruction (2019)	Bid	Project delayed due to COVID-19, now scheduled to begin in June 2021.
3528-000	AWMA Road Sites West 1 and 2 Embankment Protection (2019)	Design	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3529-000	Aliso Creek Long Term Repair Planning (2019)	Planning	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3553-000	Plant Drainage Improvements (2017)	Design	TetraTech has completed design. Project expected to advertise for bid in June 2021.
4501-000	Electrical Manhole/Cable Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in June 2021.
4502-000	Building Roof Condition Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in June 2021.
<b>CAPITAL IMPROVEMENT PROJECT AWT</b>			
3536-000	Chlorine Contact Basin Mixer Construction (AWT) (2019)	Construction	Installation of clearwell pump valves was completed in August 2019. Pilot valve panel was installed in November 2020. This project is now complete.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS  
(‘20/’21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECT LIQUIDS</b>			
3701-000	Miscellaneous Improvements 2018 (Secondary electrical upgrades and Primary Gallery rehabilitation)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Tasks 3702-000, 3730-000, 3784-000, 3785-000, and 3786-000 have been combined into this one Task Code.
3752-000	AWT No.2 Upgrade Design (2017)	Hold	The design by Carollo is completed. MNWD has requested that this project be delayed pending studies and further evaluation by MNWD.
3758-000	AWT No.2 Upgrade Construction	Hold	A small portion of this project will be completed this year to maintain operation of the AWT
3759-000	AWT No.2 Electrical Upgrades	Hold	A small portion of this project will be completed this year to maintain operation of the AWT
3741-000	Southwest Influent Sewer and Manhole Design (2019)	Hold	The draft RFP for this item will be presented to the Engineering Committee after completion of the Moulton Niguel Water District design.
4008-000	Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP)	Hold	This condition assessment will be completed with the AWT No. 2 project.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS  
(‘19/’20)**

<b>Task Code</b>	<b>Description</b>	<b>Phase</b>	<b>Status</b>
<b>CAPITAL IMPROVEMENT PROJECT COMMON</b>			
3769-000	Trailer Drain Line	Construction	This is the common portion of the Miscellaneous Improvement 2018 project. The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting.
3744-000	Administration Building Repair Design (2019)	Design	This project has been awarded to Tetra Tech.
3745-000	West Slope Protection Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3746-000	Motor Control Center A, G, H Design (2019)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting.
3747-000	Southside Plant Flooding Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3740-000	SE Electrical Manhole Reconstruction (2018)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting.
4703-000	Laboratory Reconstruction Evaluation	Study	Project is delayed due to COVID-19 and is scheduled to begin in Spring 2021.
4704-000	Evaluate Plant and Storm Water Drainage System	Study	This project has been awarded to Tetra Tech.



**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS  
( '19/'20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECT SOLIDS</b>			
3751-000	Miscellaneous Improvements 2018 (Installation of access walkway and Energy Building roof)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Task 3790-000 has been combined into this one Task Code.
3749-000	Phase I Solids Piping Upgrade (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Spring 2021.
3750-000	Dewatering Room Floor Sealing and Lighting (2019)	Design	Harper & Associates has been retained to provide a specification for the floor sealing.
3754-000	SET Piping Reconstruction (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Spring 2021.
3790-000	Solids Area Upgrade Design (2018)	Design	Lee & Ro is working on the design for the modifications to the digester gas piping.
3772-000	Hot Water Piping Reconstruction	Design	Carollo has completed the initial design for upgrading the Hot Water Piping.
3773-000	Cogeneration System Modifications	Design	A review is being conducted to identify the needed elements for this project.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 21 - EFFLUENT TRANSMISSION MAIN CAPITAL PROJECTS  
( '20/'21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECTS</b>			
3105-000	Air Vacuum Release Valve Replacement Reach D Design and Permitting	Design	The contract for design was awarded to Tetra Tech by the Board of Directors in November 2020.
3106-000	Air Vacuum Release Valve Replacement Reach E Design and Permitting	Design	The contract for design was awarded to Tetra Tech by the Board of Directors in November 2020.
3101-000	Trail Bridge Creek Crossing Protection (Reach D) Design and Permitting	Design	Tetra Tech has submitted a set of design drawings for SOCWA review.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
PROJECT COMMITTEE NO. 24 - ALISO CREEK OCEAN OUTFALL CAPITAL PROJECTS  
( '19/'20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<b>CAPITAL IMPROVEMENT PROJECTS</b>			
3480-000	Internal Seal Replacement (2018)	Design	A purchase order has been issued to Black & Veatch to provide design documents. The project is expected to advertise for bidding in May 2021.

# Agenda Item

# 5G

**Board of Directors Meeting**

**Meeting Date:** April 1, 2021

**TO:** PC-2, PC-5, PC-15, & PC-17 Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Jason Manning, Director of Engineering

**SUBJECT:** Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, 5, 15, & 17]

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## Summary/Discussion

The attached CIP Report shows the financial status of the five major construction projects as well as any potential and Engineering Committee reviewed change orders. Please note that there are seven new change orders for PC 15 totaling \$87,320.

As a reminder, change orders within the General Manager's purchasing authority (less than \$50,000) and within the project contingency will be presented in this report to the Engineering Committee and then to the Board of Directors. This is in accordance with the current purchasing policy, the change order procedure update provided to Engineering Committee in November 2019, and the contingencies approved by the Board in December 2019.

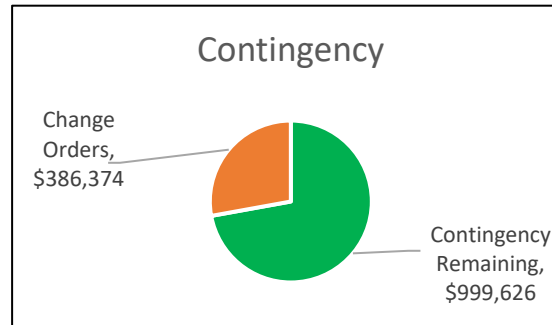
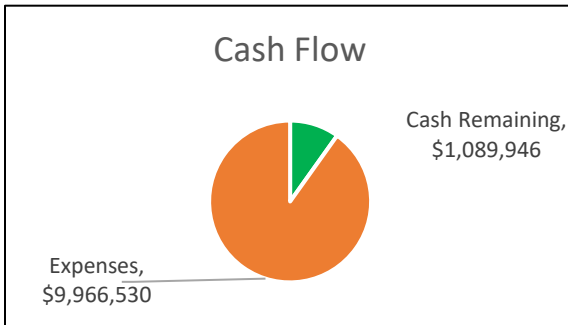
**Recommended Action:** Engineering Committee recommends the PC-15 Board of Directors to approve Change Orders 15 through 21 for a total of \$87,320.

**Project Financial Status**

**Data Last Updated**

March 23, 2021

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



**Cash Flow**

Collected	\$11,056,476
Expenses	\$9,966,530

**Project Completion**

Schedule	66%
Budget	45%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 386,374	\$ 17,711,374	\$ 7,303,527
Butier	13647	\$ 1,055,325	\$ -	\$ 1,055,325	\$ 824,303
Carollo	13616	\$ 846,528	\$ -	\$ 846,528	\$ 707,968
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		<b>\$ 19,320,853</b>	<b>\$ 386,374</b>	<b>\$ 19,707,227</b>	<b>\$8,917,634</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 73,170	\$ 543,630	11.9%
Common	3231-000	\$ 96,800	\$ -	\$ 96,800	0.0%
Solids	3287-000	\$ 672,400	\$ 313,204	\$ 359,196	46.6%
		<b>\$ 1,386,000</b>	<b>\$ 386,374</b>	<b>\$ 999,626</b>	<b>27.9%</b>

**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	Approved by Board of Directors	12/12/2019		\$ 4,725
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	Approved by Board of Directors	6/4/2020		\$ 6,343
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	Approved by Board of Directors	6/4/2020		\$ 37,970
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	Approved by Board of Directors	6/4/2020		\$ 24,002
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	Approved by Board of Directors	8/6/2020		\$ 16,370
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	Approved by Board of Directors	8/6/2020		\$ 41,994
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	Approved by Board of Directors	8/6/2020		\$ 7,413
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	Approved by Board of Directors	8/6/2020		\$ (1,829)

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	Approved by Board of Directors	8/6/2020		\$ 18,678
10	Olsson	3287-000	Duct bank J Interferences	Approved by Board of Directors	12/17/2020		\$ 73,639
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	Approved by Board of Directors	12/17/2020		\$ 20,869
12	Olsson	3220-000	Duct bank K Interferences	Approved by Board of Directors	12/17/2020		\$ 15,567
13	Olsson	3287-000	Digester 3/4 PLC Relocation	Approved by Board of Directors	12/17/2020		\$ 41,368
14	Olsson	3287-000	Digester 4 Additional Tank Repair	Approved by Board of Directors	12/17/2020		\$ 34,800
15	Olsson	3220-000	Duct bank O Interferences	Approved by Board of Directors	12/17/2020		\$ 1,687
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	Approved by Board of Directors	2/4/2021		\$ 42,780

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 002	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)	-\$1,000	
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)	\$5,000	
PCO 005	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)	\$50,000	
PCO 007	Olsson	3287-000	Relocation of MCC-F1	Potential Change	(blank)	\$40,000	
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1	Potential Change	(blank)	\$15,000	
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)	\$5,000	
PCO 012	Olsson	3287-000	PCL-CG Integration	Potential Change	(blank)	\$5,000	
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)	\$18,146	
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)	\$5,000	
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	Potential Change	(blank)	\$7,771	
PCO 028	Olsson	3287-000	4" Gas Line Routing Modifications	Potential Change	(blank)	\$18,147	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 032	Olsson	3287-000	Gas Mixer Conduit Conflict	Potential Change	(blank)	\$12,384	
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	Potential Change	12/10/2020	\$10,000	
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020	\$5,000	
PCO 049	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Potential Change	12/2/2020	\$20,000	
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020	\$30,000	
PCO 56	Olsson	3287-000	Integrator Additional Site Visits	Potential Change	3/11/2021	\$8,000	
Grand Total						\$253,448	\$ 386,374

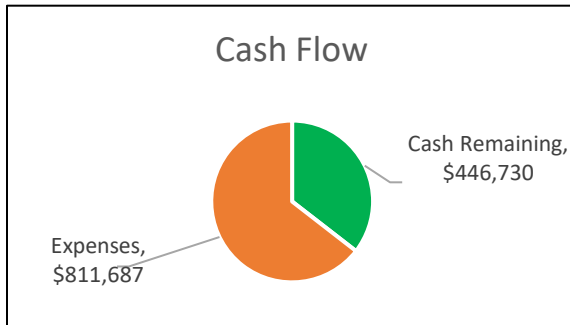


**Project Financial Status**

Project Committee	5
Project Name	San Juan Creek Ocean Outfall Junction Structure Rehabilitation
Project Description	Insertion of duplex stainless steel sleeve to reinforce Junction Structure on Doheny Beach

**Data Last Updated**

March 23, 2021



**No Contingency**

**Cash Flow**

Collected	\$1,258,417
Expenses	\$811,687

**Project**

**Completion**

Schedule	89%
Budget	56%

**Contracts**

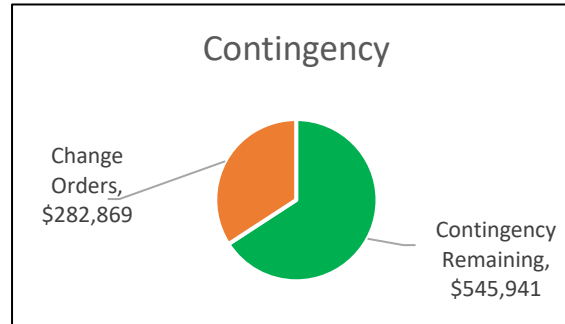
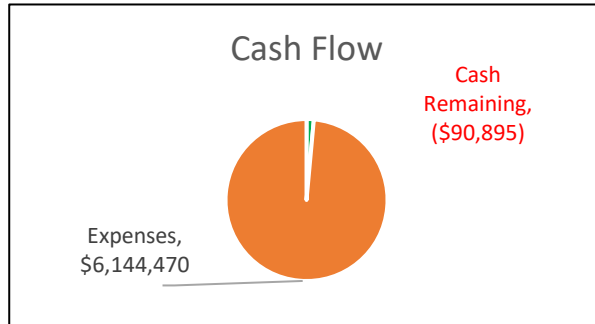
Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15575	\$ 1,041,572	\$ -	\$ 1,041,572	\$ 582,525
Black & Veatch	13880	\$ 169,366	\$ -	\$ 169,366	\$ 145,364
Dudek	15948	\$ 89,668	\$ -	\$ 89,668	\$ 4,230
		<b>\$ 1,300,606</b>	<b>\$ -</b>	<b>\$ 1,300,606</b>	<b>\$732,119</b>

**Project Financial Status**

Project Committee	15
Project Name	Facility Improvements
Project Description	New ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades

**Data Last Updated**

March 23, 2021



**Cash Flow**

Collected	\$6,053,575
Expenses	\$6,144,470

**Project Completion**

Schedule	89%
Budget	54%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ 282,869	\$ 9,491,869	\$ 4,974,122
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 628,248
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 251,841
		<b>\$ 10,511,772</b>	<b>\$ 282,869</b>	<b>\$ 10,794,641</b>	<b>\$5,854,210</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 282,869	\$ 545,941	34.1%
		<b>\$ 828,810</b>	<b>\$ 282,869</b>	<b>\$ 545,941</b>	<b>34.1%</b>

**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	PCL	3539-000	Additional Potholing	Approved by Board of Directors	8/6/2020		\$ 22,936
2	PCL	3539-000	Gas Line Replacement	Approved by Board of Directors	8/6/2020		\$ 41,006
3	PCL	3539-000	Main Switchgear Building Underground Conflicts	Approved by Board of Directors	8/6/2020		\$ 8,683
4	PCL	3539-000	Mud Valve Bolt Removal	Approved by Board of Directors	8/6/2020		\$ 6,577
5	PCL	3539-000	Additional Anchor Bolt Removal	Approved by Board of Directors	8/6/2020		\$ 15,271
6	PCL	3539-000	Slide Gate Concrete Repair	Approved by Board of Directors	8/6/2020		\$ 3,396
7	PCL	3539-000	Sludge Collector Wear Strips	Approved by Board of Directors	8/6/2020		\$ 5,304
8	PCL	3539-000	SCE Transformer Slab Box	Approved by Board of Directors	9/3/2020		\$ 4,378
9	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Approved by Board of Directors	10/1/2020		\$ 32,224
10	PCL	3539-000	Telescoping Valve Modifications	Approved by Board of Directors	10/1/2020		\$ 36,067
11	PCL	3539-000	Secondary Effluent Channel Improvements	Approved by Board of Directors	12/17/2020		\$ 5,153
12	PCL	3539-000	Portable Generator Tap Enclosures in Buildings 2 & 15	Approved by Board of Directors	12/10/2020		\$ 18,356
13	PCL	3539-000	Conduit, wiring, and mounting of LL1 fixtures	Approved by Board of Directors	12/10/2020		\$ 5,001

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
14	PCL	3539-000	MCC Feeder Credit	Approved by Board of Directors	2/4/2021		\$ (8,803)
15	PCL	3539-000	Switchgear Building Concrete Repair	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 40,144
16	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 10,623
17	PCL	3539-000	Basin Leaking Crack Repair in East Secondaries	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 1,863
18	PCL	3539-000	Additional Spall Repair - Grit Channels	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 26,405
19	PCL	3539-000	Mixed Liquor Channel Remobilization	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 5,323
20	PCL	3539-000	Building 10 Roof Repairs	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 2,245
21	PCL	3539-000	Building 8 Gas Line Rerouting	Within contingency, reviewed by Engineering Committee	3/11/2021		\$ 717

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 006	PCL	3539-000	Additional Pothole Paving	Potential Change	(blank)	\$5,000	
PCO 013	PCL	3539-000	Ferric Containment Foundation	Potential Change	(blank)	\$15,000	
PCO 015	PCL	3539-000	RAS Channel Modification Descope	Potential Change	(blank)	-\$2,000	
PCO 016	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)	\$1,500	
PCO 024	PCL	3539-000	Drainage Pump Station Descope	Potential Change	(blank)	-\$400,000	
PCO 026	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Potential Change	(blank)	\$10,000	
PCO 028	PCL	3539-000	Ops Building Gas Line Relocation	Potential Change	(blank)	\$5,000	
PCO 029	PCL	3539-000	Building 15 Concrete Restoration	Potential Change	(blank)	\$20,000	
PCO 031	PCL	3539-000	Roll Up Door Fascia	Potential Change	(blank)	\$3,000	
PCO 035	PCL	3539-000	Grit Chamber Conflicts	Potential Change	(blank)	\$20,000	
PCO 038	PCL	3539-000	Aeration Channel Conflicts	Potential Change	(blank)	\$8,000	
PCO 040	PCL	3539-000	Helical Skimmer Wiring	Potential Change	(blank)	\$2,000	
PCO 044	PCL	3539-000	Building 10 Wall Repair	Potential Change	(blank)	\$2,000	
PCO 046	PCL	3539-000	1/2" Ferric Line Conflicts	Potential Change	(blank)	\$5,000	

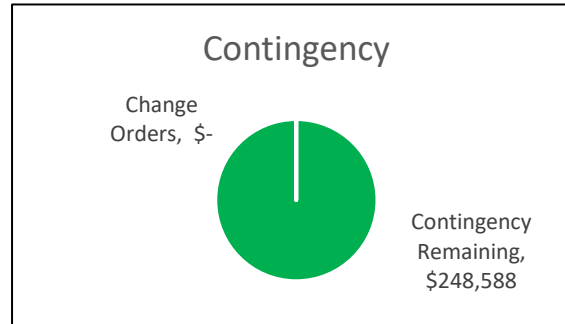
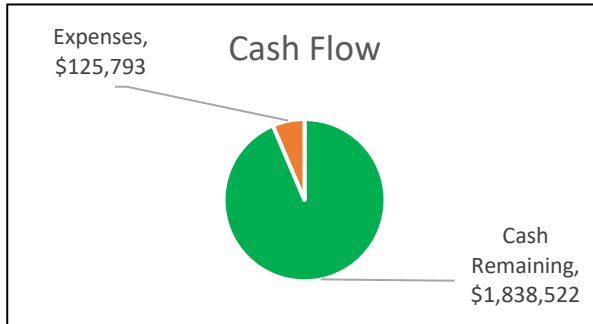
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 047	PCL	3539-000	West Telescoping Valve Improvements	Potential Change	(blank)	\$25,000	
PCO 048	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Potential Change	(blank)	\$20,000	
PCO 049	PCL	3539-000	Removal of Scope - West Basin Sludge/Scum Collection Equipment	Potential Change	(blank)	-\$300,000	
PCO 050	PCL	3539-000	RAS Box Leaks	Potential Change	(blank)	\$0	
PCO 051	PCL	3539-000	Grit Grating Modifications	Potential Change	(blank)	\$0	
Grand Total						-\$560,500	\$ 282,869

**Project Financial Status**

Project Committee	15
Project Name	Export Sludge Forcemain Replacement
Project Description	New 6-inch HDPE force main replacing ageing 4-inch (x2) lines from the Coastal Treatment Plant to the Regional Treatment Plant through Aliso Canyon

**Data Last Updated**

March 23, 2021



**Cash Flow**

Collected	\$1,964,315
Expenses	\$125,793

**Project Completion**

Schedule	25%
Budget	2%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15949	\$ 3,107,346	\$ -	\$ 3,107,346	\$ 85,000
Butier	13647	\$ 226,100	\$ -	\$ 226,100	\$ -
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ -
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ -
		<b>\$ 3,998,564</b>	<b>\$ -</b>	<b>\$ 3,998,564</b>	<b>\$85,000</b>

**Contingency**

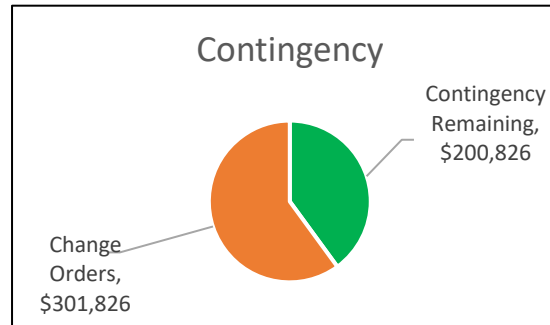
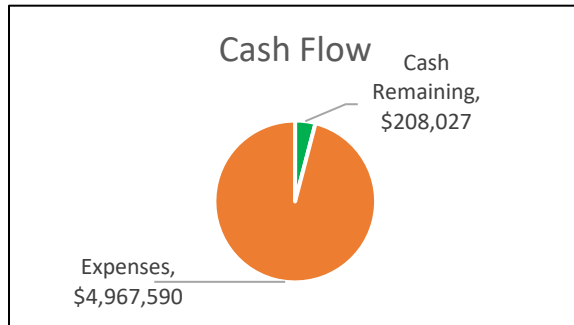
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ -	\$ 248,588	0.0%
		<b>\$ 248,588</b>	<b>\$ -</b>	<b>\$ 248,588</b>	<b>0.0%</b>

**Project Financial Status**

Project Committee	17
Project Name	Miscellaneous Improvements 2018
Project Description	Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof

**Data Last Updated**

March 23, 2021



**Cash Flow**

Collected	\$5,175,617
Expenses	\$4,967,590

**Project Completion**

Schedule	98%
Budget	93%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	\$ 4,181,205	\$ 241,166	\$ 4,422,371	\$ 4,109,886
Dudek	14164	\$ 137,625	\$ 60,660	\$ 198,285	\$ 182,727
Lee & Ro	14006	\$ 123,310	\$ -	\$ 123,310	\$ 123,213
		<b>\$ 4,442,140</b>	<b>\$ 301,826</b>	<b>\$ 4,743,966</b>	<b>\$ 4,415,826</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	\$ 343,593	\$ 274,058	\$ 69,535	79.8%
Common	3769-000	\$ 4,545	\$ -	\$ 4,545	0.0%
Solids	3751-000	\$ 154,514	\$ 27,768	\$ 126,746	18.0%
		<b>\$ 502,652</b>	<b>\$ 301,826</b>	<b>\$ 200,826</b>	<b>60.0%</b>



**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Filanc	3701-000	Additional Conduit Support around Admin Building	Approved by Board of Directors	8/6/2020		\$32,929.28
2	Filanc	3701-000	Primary Deck Conduit Supports	Approved by Board of Directors	8/6/2020		\$ 9,611.12
3	Filanc	3701-000	Electrical Manhole 2 collar concrete/pavement repair	Approved by Board of Directors	8/6/2020		\$ 2,986.60
4	Filanc	3701-000	Primary Gallery Concrete Deck Repair	Approved by Board of Directors	8/6/2020		\$ 6,363.00
5	Filanc	3701-000	VFD Cabinet change from 316 to 304 Stainless Steel	Approved by Board of Directors	8/6/2020		\$ (2,100.00)
6	Filanc	3701-000	Duct bank Vault size change to accommodate existing utilities and sump	Approved by Board of Directors	8/6/2020		\$ 37,690
7	Filanc	3751-000	Energy Building Roof Steel Beam Anchor Embedment	Approved by Board of Directors	8/6/2020		\$10,280.90
8	Filanc	3701-000	Polymer VFD Improvements	Approved by Board of Directors	10/1/2020		\$ 15,549
9	Filanc	3751-000	Repair/improve floor grating in equipment to meet safety standards	Approved by Board of Directors	10/1/2020		\$ 1,843

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
10	Filanc	3751-000	Additional roofing materials required to level surface	Approved by Board of Directors	10/1/2020		\$ 4,465
11	Filanc	3701-000	Additional backfill material for MH-1	Approved by Board of Directors	10/1/2020		\$ 2,939
12	Filanc	3701-000	Admin Bldg. roof drain rerouting	Approved by Board of Directors	10/1/2020		\$ 966
13	Filanc	3751-000	Additional angle steel needed to support new roof	Approved by Board of Directors	10/1/2020		\$ 1,069
14	Filanc	3701-000	Rebate work on Primary Gallery Deck to resolve potential safety issue	Approved by Board of Directors	10/1/2020		\$ 4,736
15	Filanc	3701-000	Replace installation of fan with louver	Approved by Board of Directors	2/4/2021		\$ (647)
16	Filanc	3701-000	New wire pulled for Sed Basins 5 & 6 flow meters	Approved by Board of Directors	2/4/2021		\$ 1,056
17	Filanc	3701-000	New lighting, outlet, and circuit for scum and sample pumps	Approved by Board of Directors	2/4/2021		\$ 24,000
18	Filanc	3701-000	Indicators, remove un	Approved by Board of Directors	2/4/2021		\$ 41,094
19	Filanc	3701-000	Modify hardware, PLC logic, and HMI for a polymer alternate water use.	Approved by Board of Directors	2/4/2021		\$ 15,858

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
20	Filanc	3701-000	Add new DAF flow meters including additional piping and conduit	Approved by Board of Directors	2/4/2021		\$ 30,477
<b>Grand Total</b>							<b>\$ 241,166</b>

# Agenda Item

# 6A

**Board of Directors Meeting**

**Meeting Date:** April 1, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**SUBJECT:** General Manager's Status Report

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## ADMINISTRATIVE

### Budget Preparation Schedule

SOCWA staff has begun the work for preparation of the FY 2022/23 Budget working with the Finance Committee. The schedule of meetings for the Budget process has been revised as shown below for the April Finance Committee. Please note for your meeting calendar.

- Finance Committee Special Meetings
  - ❖ **February 6, 2021** – Budget Development Kick Off
    - Key Budget Assumptions
      - Minimum Funding of historical PERS / OPEB costs
      - Facility Readiness to Serve Charge – JBL future of intermittent flows
    - General Assumptions
    - Staffing Plan
    - Capital Funding Policy
      - WIFIA
  - ❖ **March 16, 2021** – O&M Environmental Safety Budget Presentation; Member Comments to 2/16/2021
  - ❖ **April 20, 2021** – General Fund Budget, Administration, Capital, Staff responses and information from prior discussion items of Member Agencies including Co-Gen Credit review and UAL (retiree) and OBEP inclusion in General Fund.
  - ❖ **May 18, 2021** – Committee Discussion / Direction
- Board Workshop – May 20, 2021
- Board to consider Budget approval – June 3, 2021

### Unfunded Liability (UAL) Policy Update

During the preparation of last year's 2019/2020 Budget substantial work was done to inform the Board and engage discussion regarding accruing and growing unfunded liability related to CalPERS pension and OPEB obligations. The Board asked that the Finance Committee work with SOCWA staff to develop an approach to address the obligations and set forth commitments for the future.

In September 2020, Staff brought forward to the Finance Committee a recommended policy to address funding options and funding progress for CalPERS Unfunded Liability (UAL) obligations. The draft policy was a starting point for discussion of a workable approach for the member agencies. The focus of the effort was to be in a position to deliver to the Board a policy in advance of the preparation of the coming fiscal year budget 2021/2022. Several staff representative meetings were held with member agencies Finance Officers and representatives to discuss an approach that would capture the commitment of the agencies to meet the funding needed into the future. It was recognized that the Policy statements should be approved by the Board and then carried into the revisions to the JPA Agreement in the process now underway but also expected to take some time. Various presentations provided to the Finance Committee have highlighted that with an estimated \$15 million in current obligations the unfunded liabilities grow at 7% per year based on CalPERS current approach. Attached is an Example of the financial benefits that occur from making advanced payments to reduce the growth of the UAL liability.

As the agency representatives met and held discussions, several noted that consideration first should be given to meeting the costs accumulating as "normal" contributions to current employees for future medical obligations, also referred to as "Normal OPEB Contributions." The agency finance representatives generally agreed that it was advisable not to accumulate more future obligations and expressed support to include the "Normal" costs in the coming FY draft budget (2021/22).

Discussions of the recording of the UAL obligations to the Member Agencies began with the Pun Firm Audit of 2017/18, which followed the March 2018 recommendations of the Office of the State Auditor that SOCWA should determine the obligations of each individual agency and set forth an approach or methodology as a revision to the JPA Agreement. The Board of Directors approved an actuarial approach for years 2002 forward to allocate the UAL to each Member Agency and staff includes that information as a part of the Supplemental Financial Statements, however, the Board level discussion at the close of 2018 was that the Supplemental Financial Statements information was only documentation and not did not accomplish the weight of a specific obligation of any agency. In each Budget preparation period since then, staff has brought forward information to inform the Board as to the growth in the UAL obligations. As noted above, the Board has directed the Finance Committee to develop a policy to address the UAL. Further, staff has advised that pending the outcome of the work to revise the JPA, a policy statement regarding the obligation of each individual agency based on the actuarial approach should be in place to record the official position of the SOCWA Board on the matter.

As noted, development of a policy has been before the Finance Committee for consideration and the agency finance representatives held several discussion phone calls. Alternate Director Grantham and the General Manager prepared a policy draft considered at the Finance Committee meeting on March 16, 2021, but there was no consensus to move a policy statement forward to the Board, with discussion favoring

waiting for language proposals regarding individual agency obligations to become a part of the JPA revision process.

### Federal Earmarks

On March 17, 2021, Jim Burror of SOCWA Staff attended CASA's Federal Legislative Committee session (via Zoom) covering the potential for Congressional Representatives to receive funding for earmarks. SOCWA staff is working with representatives from City of Laguna Beach, South Coast Water District and Moulton Niguel Water District to identify potential Coastal, JBL and Regional Plant Projects that may be appropriate for funding requests. At this time, it appears that Representative Mike Levin (49<sup>th</sup> District) will take applications for consideration. Representative Steel has indicated she doesn't intend to submit for specific monetary earmark awards. Steve Greynock is assisting SOCWA staff in preparing the informational summaries in the format requested by Mike Levin's office. The City of Laguna Beach may be willing to submit SOCWA's list via the Townsend Firm to Congressman Levin's office. The submittal is due April 1, 2021.

### ENVIRONMENTAL COMPLIANCE

#### Congratulate SARBS 2020 P3 Award Winner - SOCWA Staff Member Katie Greenwood receives 1<sup>st</sup> Place!



### OPERATIONS & MAINTENANCE UPDATES

O&M projects at CTP have been focused on work that can be done safely around the ongoing Facilities Improvement Project construction.

Below are photos of O&M staff preparing the CTP West Primary Channel for the contractor to renew the degraded concrete and gates. The project also involved removing the agitation air pipe that will be replaced as part of the larger project.



The staff below are touching up the newly painted CTP Maintenance Shop. The damaged floor was restored to remove tripping hazards, and the electrical system was brought up to code. This included replacing the obsolete fluorescent lighting with new LEDs. The shelves, benches, and tools will be moved back in after the flooring system cures.



O&M staff also installed railing around the open storm channel to address a potential fall hazard. The photo below shows the team putting the finishing touches on the system.



CTP Staff also completed several pumping and equipment overhauls on equipment offline for the ongoing construction project. The following are some of those projects:



Daft recirculation pump replacement project.





Low-pressure blower replacement and laser belt alignment.



Center roto screen bearing and gearbox replacement.