

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

## **Revised AGENDA**

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

To Be Held by Teleconference on:  
June 3, 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/>

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## **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.*

PAGE NO

### 4. **CONSENT CALENDAR**

- |  |    |
|--|----|
| A. Minutes of Board Meeting .....  | 1  |
| • Board of Directors May 6, 2021   |    |
| ACTION      The Board will be requested to approve subject Minutes as submitted.   |    |
| B. Minutes of PC 15 / PC 23 Committee Meeting .....  | 7  |
| • PC 23 Committee Minutes April 1, 2021  |    |
| ACTIONS     1. The PC 15 / PC 23 Board will be requested to approve subject Minutes as submitted; and the Board of Directors will be requested to receive and file subject Minutes.          |    |
| C. Minutes of Executive Committee Meeting .....  | 10 |
| • Executive Committee Minutes May 10, 2021   |    |
| ACTION     The Executive Committee will be requested to approve subject Minutes as submitted; and the Board of Directors will be requested to receive and file subject Minutes as submitted. |    |

D. April 2021 Operations Reports .....14

- 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 March 2021 Operations Reports as submitted.

E. Capital Improvement Program Status Report .....54

ACTION The Engineering Committee recommends:

- the PC-2 Board of Directors to approve Olsson Construction Change Orders 19 through 21 for a total of \$134,453
- the PC-15 Board of Directors to approve J.R. Filanc Change Order 1 for \$5,690
- the PC-15 Board of Directors to approve PCL Change Orders 22 through 24 for a total of \$14,394

F. Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, 15, 17] .....66

ACTION Staff recommends that the Engineering Committee recommend to the:

- PC-2 Board of Directors to approve Change Orders 19 through 21 for a total of \$134,453 for the JBL Package B project
- PC-15 Board of Directors to approve Change Order 1 for \$5,690 for the CTP Sludge Force Main project; and
- PC-15 Board of Directors to approve Change Orders 22 through 24 for \$14,394 for the CTP Facility Improvements project

5. ENGINEERING MATTERS

A. Contract Amendment for the J.B. Latham Treatment Plant Package B Engineering Services during Construction [Project Committee 2] .....87

ACTION The Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Carollo in the amount of \$227,617 for a total revised contract amount of \$1,074,145 for the engineering services for the J.B. Latham Package B Project.

B. Contract Amendment for the J.B. Latham Treatment Plant Package B Construction Management Services [Project Committee 2] .....89

ACTION The Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Butier in the amount of \$290,156 for a total revised contract amount of \$1,185,883 for the construction management services for the JB Latham Package B Project.

- C. J.B. Latham Treatment Plant Electrical System Evaluation Additional Design Services [Project Committee 15] .....91

ACTION     The that the Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Hazen and Sawyer in the amount of \$24,390 for a total revised contract amount of \$223,936 for the design services for the JB Latham Electrical System Study and Design Project.

- D. Coastal Treatment Plant Aeration Diffuser Purchase [Project Committee 15] .....93

ACTION     Staff recommends to the PC 15 Board to approve the purchase of the EDI diffusers for \$250,490 for the Coastal Treatment Plant Aeration Blower System Upgrades Project.

6. GENERAL MANAGER’S REPORTS

- A. Investment Policy for Public Funds Annual Review .....95

ACTION:     Staff recommends the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

- B. Approval of FY 2021-22 Budget (*Under separate cover*) .....

*As needed, the General Counsel will cover the vote requirements for each area at the meeting immediately prior to the motion and vote on each item.*

ACTION:     The Finance Committee recommends that the Board of Directors consider the Budget as proposed.

The FY 2021-22 Budget includes General Fund Expenses, Operating Expenses and Capital Expenditures as proposed.

1. General Fund Budget

Approval of the FY 2021-22 General Fund Budget. Approval of the General Fund Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

2. Project Committee Operating Budgets

- a. Approval of the FY 2021-22 Administration Budget (inclusive of project committee administration expenses, residual engineering, and IT). Approval of the FY 2021-22 Administration Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

- b. Approval of the Project Committee (“PC”) 2 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) as proposed and PC 2 Capital Expenditures Budget (inclusive of large capital, non-capital/misc. engineering and small capital). Approval of the Project Committee (“PC”) 2 Operations and Maintenance Budget and PC 2 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- c. Approval of the Project Committee (“PC”) 17 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 17 Capital Expenditures Budget (inclusive of large capital, non-capital/misc. engineering and small capital). Approval of the Project Committee (“PC”) 17 Operations and Maintenance Budget and PC 17 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- d. Approval of the Project Committee (“PC”) 15 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 15 Capital Expenditures Budget (inclusive of large capital, non-capital/misc. engineering and small capital). Approval of the Project Committee (“PC”) 15 Operations and Maintenance Budget and PC 15 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- e. Approval of the Project Committee (“PC”) 5 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 5 Capital Expenditures Budget (inclusive of large capital and non-capital/misc. engineering). Approval of the Project Committee (“PC”) 5 Operations and Maintenance Budget and PC 5 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- f. Approval of the Project Committee (“PC”) 24 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 24 Capital Expenditures Budget (inclusive of large capital and non-capital/misc. engineering). Approval of the Project Committee (“PC”) 24 Operations and Maintenance Budget and PC 24 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

- g. Approval of the Project Committee (“PC”) 21 (ETM) Operations and Maintenance Budget, UAL and OPEB and PC 21 Capital Expenditures Budget (inclusive of large capital and non-capital/misc. engineering). Approval of the Project Committee (“PC”) 21 (ETM) Operations and Maintenance Budget and PC 21 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  - h. Approval of the Project Committee (“PC”) 8 (Pretreatment) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, UAL and OPEB). Approval of the Project Committee (“PC”) 8 (Pretreatment) Operations and Maintenance Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  - i. Approval of the Project Committee (“PC”) 2SO (PC12) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB). Approval of the Project Committee (“PC”) 2SO (PC12) Operations and Maintenance Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action. Authorization includes the redistribution of the costs of PC 2SO (PC 12) among the member agencies to exclude El Toro Water District and Irvine Ranch Water District); the Board approves the allocation of expenses with approval of the Budget.
  - j. The Board directs staff to prepare and distribute a final printed budget consistent with any additional changes presented and approved at the June 3, 2021 meeting.
- C. Resolution No. 2021-04: A Resolution of the Board of Directors of the South Orange County Wastewater Authority approving Employee Salary Range Summary and Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association .....104
- ACTION: The Board will be requested to approve and adopt Resolution No. 2021-04, A Resolution of the Board of Directors of the South Orange County Wastewater Authority approving Employee Salary Range Summary and Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association
- D. Resolution No. 2021-05: A Resolution of the Board of Directors of the South Orange County Wastewater Authority approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual..... 109

ACTION: The Board will be requested to approve and adopt Resolution No. 2021-05, A Resolution of the Board of Directors of the South Orange County Wastewater Authority approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual

E. General Counsel Update, JPA Revision .....

ACTION Oral Update / Discussion

F. General Manager’s Status Report .....

ACTION: Oral Update / Discussion

7. CLOSED SESSION

- A. A Closed Session Conference with Legal Counsel Anticipated Litigation
  - Significant exposure to litigation pursuant to Government Code Section § 54956.9(d)(2): 1 matter
- B. A Closed Session conference with General Counsel Litigation in one matter: SOCWA vs. Pac Hydro, et al., Pursuant to Government Code Section § 54956.9.
- C. Consideration of threats to security of and protection of essential public services: wastewater treatment. Pursuant to Government Code Section § 54957(a).
- D. Report out of Closed Session

8. 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  
AUGUST 5, 2021

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

**DRAFT**

**May 6, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on May 6, 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:

MATT COLLINGS	Moulton Niguel Water District	Director
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 [arrived @ 8:45 a.m.]
MIKE DUNBAR	Emerald Bay Service District	Director
DOUG REINHART	Irvine Ranch Water District	Director
DAVE REBENS DORF	City of San Clemente	Director
SCOTT GOLDMAN	South Coast Water District	Director
SERGIO FARIAS	City of San Juan Capistrano	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
KATIE GREENWOOD	Source Control Manager
ERNIE LEAL	Chief Operator
DANITA HIRSH	Executive Assistant

**Also Present:**

ADRIANA OCHOA	Procopio Law Firm
GREG MOSER	Procopio Law Firm
LEE MURAKAMI	TESLA
DAVID SHISSLER	City of Laguna Beach
KAY HAVENS	El Toro Water District
DENNIS CAFFERTY	El Toro Water District
JASON HAYDEN	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
RICK SHINTAKU	South Coast Water District
JOE McDIVITT	South Coast Water District
MARC SERNA	South Coast Water District
ROGER BUTOW	Clean Water Now (CNW)
FERNANDO PALUDI	Trabuco Canyon Water District
DAVID SHISSLER	City of Laguna Beach
SHERRY WANNINGER	Moulton Niguel Water District



1. CALL TO ORDER

Vice Chair Collings called the meeting to order at 8:32 a.m. and requested a roll call.

For the record, the following Members are present. Director Dopudja was not present at the time of roll call.

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro 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 Mike Dunbar

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Ms. Burnett requested items 6C, and 6D be added to the Consent Calendar as they were previously reviewed by the Finance Committee.

Being no objection from the Board, Chair Collings stated items of the Consent Calendar to be considered for approval are items 4a through 4J, including 6C, and 6D.

Director Goldman pulled item 6C for further clarification.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to approve the Consent Calendar agenda items 4A through 4J, and 6D as submitted.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Absent
	Director Collings Aye
	Director Reinhart Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye
	Director Rebensdorf Aye

5. ENGINEERING MATTERS

A. Regional Treatment Plant Aeration PLC Upgrade [Project Committee 17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to award the contract to Tesco in the amount of \$98,980 for the aeration PLC upgrade for the Regional Treatment Plant Aeration System.

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

B. JBL Effluent Pumping Station Pump VFD Replacements [Project Committee 2]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Goldman to authorize the General Manager to enter into a contract with Sulzer EMS to purchase and install three (3) effluent pumping station pump variable frequency drives (VFD) at the cost of \$60,912.50, including additional shipping costs that will be determined at the time the units are shipped.

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

C. JBL Primary Tank Cover Replacement [Project Committee 2]

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Ferons to authorize the General Manager to enter into a contract with Hallsten, Inc. to install the Primary Tank Cover Replacement at a cost of \$248,367 with a 5% contingency of \$12,400.

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

6. GENERAL MANAGER'S REPORTS

The Board addressed Agenda items both 6A and 6B following the Closed Session.

- A. Resolution No. 2021-02: A Resolution approving new Side Letter of Agreement Number 3 to the 2020-2023 Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association

- B. Resolution No. 2021-03: A Resolution of the Board of Directors of The South Orange County Wastewater Authority Approving Changes to The SOCWA Employee Manual Regarding Uniform Allowance.

ACTION TAKEN

Motion was made by Director Reinhart and seconded by Director Freshley to approve and adopt Resolution No. 2021-02: A Resolution approving new Side Letter of Agreement Number 3 to the 2020-2023 Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association; and approve and adopt Resolution No. 2021-03, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Changes to the SOCWA Employee Manual Regarding Uniform Allowance.

- C. FY20/21 O&M Budget Update and Proposed Budget Amendments [Project Committee 2]

Mr. Burror reported that more flows and solids were being received causing variable expenses to increase particularly to two (2) line items for ferric chloride and biosolids. Mr. Burror stated staff is having to add more ferric chloride to manage the H2S levels to the digester gas. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Hart and seconded by Director Goldman to approve PC 2 J.B. Latham Plant budget amendments by \$100,000 to add the following amounts:

PC 2 Line 5008	Ferric Chloride	\$50,000
PC 2 Line 5049	Biosolids	\$50,000

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

- E. Tesla Energy -SGIP Equity Resiliency Eligibility Matrix-Non-Residential Customers

Mr. Lee Murakami, Commercial Direct Sales, Energy representative for TESLA, gave a presentation on commercial scale battery energy storage systems that utilize technology similar to the Tesla vehicles.

This is an information item; no action was taken.

- F. Appointment to SOCWA Representative to Integrated Regional Watershed Participants Executive Committee

Director Collings gave an overview of the South Orange County Watershed Management Group stating it is a collaboration of the local cities, and water districts and the County. The County leads the managing and operations of the group. Director Collings stated this is an opportunity to not only look at grant funds that can be available through the Integrated Regional Management Plan process but also ongoing collaboration to watershed basis throughout the county. He also shared his support for the group and offered his recommendation to appoint Ms. Burnett, General Manager of SOCWA as the Primary representative of SOCWA, and Director Erkeneff of South Coast Water District as the Alternate, in addition to recommending Ms. Amber Baylor to remain as representative on the Management Committee. An open Discussion ensued.

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to appoint Betty Burnett as Primary representative of SOCWA to serve on the Integrated Regional Watershed Participants Executive Committee, and Director Erkeneff of South Coast Water District as Alternate, and Amber Baylor to remain as representative on the Management Committee.

Motion carried:     Aye 10, Nay 0, Abstained 0, 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           Aye  
Director Hart                Aye  
Director Rebensdorf        Aye

G. General Manager's Status Report

Ms. Burnett reported staff continues working with the Finance Committee in preparation of the proposed Budget for FY 2021-22. She noted the Finance Committee will be meeting following today's Board Meeting to complete their final budget review before the Board Budget Workshop on May 20<sup>th</sup>, 2021. Burnett recognized SOCWA staff Katie Greenwood for being the recipient of CWEA P3S third place Person of the Year.

This was an information item; no action was taken.

The Board convened to Closed Session at 9:30 a.m.

7. CLOSED SESSION

A Closed Session was held regarding the following:

- A. A Closed Session Conference with Labor Negotiators pursuant to Government Code Section § 54957.6

SOCWA Designated Representatives: Betty Burnett, General Manager;  
Brad Neufeld, Labor Counsel.

Employee Organization: SOCWA Employee Association

- B. A Closed Session Conference with Legal Counsel Anticipated Litigation
  - Significant exposure to litigation pursuant to Government Code Section § 54956.9(d)(2): 1 matter

- C. Reports out of Closed Session

The Board reconvened at 10:18 a.m. There were no reportable items from Closed Session.

**ADJOURNMENT**

There being no further business, Director Collings adjourned the meeting at 10:30 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 May 6, 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**

**DRAFT**

**PC 15 / PC 23 Joint Committee**

**April 1, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 15 and Project Committee 23 Joint Meeting was held on April 1, 2021 at 10:30 a.m. **(or immediately following the SOCWA Board Meeting)** via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Project Committee 15, and Project Committee 23 were present via Zoom Meeting:

DAVID SHISSLER	City of Laguna Beach	Alternate Director PC 15 / PC 23
MIKE DUNBAR	Emerald Bay Service District	Director (PC 15 / PC 23)
MATT COLLINGS	Moulton Niguel Water District	Director (PC 15)
SCOTT GOLDMAN	South Coast Water District	Director (PC 15)

**Staff Participation:**

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

**Also Participating:**

GREG MOSER	Procopio Law Firm
ADRIANA OCHOA	Procopio Law Firm
DAN FERONS	Santa Margarita Water District
RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
TREVOR AGRELIUS	Moulton Niguel Water District
HANNAH JOHNSON	City of Laguna Beach
ROD WOODS	Moulton Niguel Water District
TARYN KJOLSING	South Coast Water District
DR. RUSS HILL	Pure Legacy Group
JOE ROHRBACHER	Pure Legacy Group
BRYCE DANKER	Hazen & Sawyer
BRANDT MILLER	Hazen & Sawyer
MIKE MERRINER	Pure Legacy Group

**1. Call Meeting to Order**

Chairman Dunbar called the meeting to order at 10:36 a.m.

**2. Public Comments**

None.

**3. Coastal Treatment Plant Feasibility Study Update [Project Committee 5]**

Dr. Paul Pitt and Mr. Bryce Danker on behalf of the Hazen and Sawyer team gave an updated presentation on the CTP Feasibility Study. The updates included the cost estimate

comparable summary, construction sequence considerations, CTP AWT considerations and addressing the next steps. An open discussion ensued.

**ACTION TAKEN**

The PC-15 Committee conceded (Director Collings abstained) to 1) directing Hazen to finalize the technical memo summarizing the evaluation to provide report by the end of the month, and 2) Hold another meeting to review and discuss report and determine next steps.

**4. North Coast Interceptor Intertie Project Update & Agreement  
[Project Committee 23]**

Ms. Burnett stated she have not received the draft Agreement therefore discussion of this item was deferred to the next PC 23 meeting.

**5. CTP Facilities Improvement Project & Reduction in Project Scope  
[Project Committee 15]**

Mr. Manning reported on the CTP Facilities Improvement Project and gave an updated presentation on the Project Reductions and Project Scope. He noted the updated construction schedule and budget as of February. Mr. Manning provided technical details on the construction status on the Switchgear Replacement & Electrical Improvements, Secondary Clarifier Rehabilitations, and Grit Channel Rehabilitation Projects.

Mr. Manning stated the major project changes were removing the scope for new Drainage Pump Station, and new Sludge Collection Equipment projects. He also noted the changed foundation design for the Ferric Chloride Station and the unforeseen concrete deterioration in the grit channel. Mr. Manning stated by removal of these projects there is an expected cost reduction of \$700,000 to the current fiscal budget. He stated the aeration diffusers at CTP have been failing and are in need of an upgrade. Because the diffusers have a long-lead time, staff was seeking authorization to purchase the items which would not be delivered until the July timeframe. Mr. Manning stated Hazen had already completed 30% of the design on the aeration system and with their knowledge would need do more design work before the diffusers are purchased and installed.

Ms. Burnett stated given the concerns about the condition of the aeration system, staff is seeking approval from the Committee to authorize the purchase of the aeration diffusers since they are a long-lead item. An open discussion ensued.

**ACTION TAKEN**

Motion was made by Director Goldman and seconded by Director Dunbar to authorize staff to have Hazen do additional design work to identify and report back to the Committee the costs impact to be provided at the next Board of Directors meeting for consideration.

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

**6. Federal Earmarks Projects & Outreach – Opportunity before April 15, 2021**

Ms. Burnett reported there was a generally consensus at the Board of Directors meeting earlier today to move ahead with Federal Earmarks Projects and Outreach. Therefore, no further direction from is needed from the PC-15 Committee, and that staff will keep the Committee up to date on any developments.

**7. Coastal Treatment Plant Sludge Force Main Replacement Project Geotechnical Services During Construction [Project Committee 15]**

**ACTION TAKEN**

Motion was made by Director Shissler and seconded by Director Goldman to award the time and materials contract to Ninyo & Moore in the amount of \$65,790 for the Geotechnical services during construction for the Coastal Treatment Plant Sludge Force Main Project.

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

**Adjournment**

There being no further business, Chairman Dunbar adjourned the meeting at 1:01 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Project Committee No. 15, and Project Committee 23 of April 1, 2021 and approved by the Project Committee No. 15, and Project Committee 23 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 SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**DRAFT**

**Executive Committee**

**May 10, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee Meeting was held on May 10, 2021 at 9:00 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Executive Committee were present via Zoom Meeting:

MATT COLLINGS	Moulton Niguel Water District	Director (Chair)
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director

Staff Participation:

BETTY BURNETT	General Manager
DANITA HIRSH	Executive Assistant

Also Participating:

GREG MOSER	Procopio Law Firm
ADRIANA OCHOA	Procopio Law Firm

**1. Call Meeting to Order**

Chairman Collings called the meeting to order at 9:07 a.m.

**2. Public Comments**

None.

**3. General Manager Ongoing and Future Projects Update**

- Budget Update
- JPA Agreement Update
- General Discussion

General Manager provided an overview of the items for discussion, including Ongoing and Future Projects, 2021/22 Budget Preparation Update, and JPA Agreement Update.

Regarding the Budget Preparation agenda item, Director Collings commented that it has been a good course of discussion over the past few months for the budget preparation. Finance Committee is comfortable to move the proposed budget to the Board at the June 3<sup>rd</sup>, 2021 meeting. Ms. Burnett recapped some of the discussion at Finance Committee such as the discussion of increases in environmental permit expenses.

Ms. Burnett noted that SOCWA has continued to spend down the capital cash on hand. The next year capital expenditures out the door should be between \$18 and \$22 million. Director Collings noted that every year MNWD staff updates its capital program and an associated financing plan. Items are in the capital program, but the financing plan doesn't consider everything will be funded that is in the capital program. MNWD takes into consideration that SOCWA capital will not be spent as to the total budget. SMWD looks at it on a cash flow basis, considers their reserves. For San Juan Capistrano that does not have reserves consideration of options for funding are underway. Director Ferons noted he is ok with the approach to the SOCWA capital budget. Ms.

Burnett noted communication with SCWD as to keeping the next 3 years of capital spending tight. Director Goldman noted SOCWA is 25% of the SCWD wastewater budget. He noted the good amount of capital spending for both JBL and Coastal Plant over the next few years. SCWD would like to work with CLB on financing approaches to manage the cash flow for PC 15. SCWD also adjusts assumptions of projected SOCWA capital spending. Director Goldman noted he is working to understand the capital needs at both JBL and CTP. He will be touring both facilities. Discussion ensued regarding SOCWA's approach to capital project and work at the Engineering Committee. Ms. Burnett noted the effort to consider biosolids options for the longer term, including opportunities to meet class B consistently for JBL solids material. Dan Ferons noted Gate 5 received a \$1.4 million grant to build a pilot at Chiquita plant that would focus on energy recovery. Approach is power generation through thermal systems. Pilot would be for 1 mgd treatment with a membrane micro-media providing primary, secondary treatment then running through Gate 5 system prior to digestion.

Regarding future budgeting, Director Collings asked to focus in January on some of the open issues discussed in the budget preparation regarding funding and allocations and include finance managers in conversations on budget trends. The issues included unfunded liability, general fund contribution to unfunded liability, co-gen credits. Director Ferons suggested starting in early winter, November 2021. Director Collings noted he is somewhat of a proponent of each agency proposing their individual approach to funding unfunded obligations due to complexities of tracking savings for each agency at SOCWA.

Regarding the JPA revisions process Director Collings noted the variety of work going on and varied questions and comments. He reflected on the work of the Managers to discuss the agencies needs and services going forward. Out of that effort the task force group prepared criteria for proposals. In discussion with MNWD Board Officers he thinks its timely that services align with needs, what will the next 50 years look like and how that meets the needs of the agencies. MNWD believes it is timely to consider the future of needs and services for purposes of alignment. All potential options should be evaluated. Director Collings reported that the MNWD and SMWD Board Officers met and collectively their agencies would like to explore alternative treatment services framework to see if there is logic, transition, options that may or may not make sense going forward. The two agencies want to build a framework for what might it look like to transition services to some of the member agencies. They think that by mid-summer they would have something to present out to the SOCWA agencies, taking time to give more thought as to what makes sense to transition services. What options make sense and options worth exploring into more detail. It will take a few more months for the two agencies to vet out perhaps into mid-summer. This is appropriate now to consider other options given state of review of the JPA.

Therefore, it makes sense now to push off the joint JPA revision meeting set for June 30 until after MNWD/SMWD are able to push something out. Director Collings suggestion is to reform the MNWD/SMWD/ETWD/SCWD Adhoc Committee to vet out concepts before presenting to all agencies.

Director Ferons noted that MNWD/SMWD are joined in the Oso Trunk Sewer (conveyance to the JB Latham Plant). SMWD/MNWD met at staff level to discuss taking Oso Creek Plant out of service and look at impact on 3A, Oso and Los Alisos Plants. Discussion of tie in to 3A plant and impact of flow reductions to JBL. Thus two sets of Board Officers wanted to meet to discuss the various SMWD/MNWD plans, and the Board Officers asked for more discussion on the work the SOCWA task force did and requested more guidelines as to what an agency would have to include to discuss operating a SOCWA plant. So, the SMWD/MNWD staff are to bring that back to their respective boards as to impact for their agencies and neighboring agencies. SMWD/MNWD staff are trying to be responsive and lay out all questions. SMWD interest is in overall operating of the system with takeover of SJC. Board Members are asking of them what are their plans and what

is the future, how does all of it fit to SJBA, recycling plans at other plants and whether JBL fits into any of these plans. They want to sit back and consider with those who are fairly active and involved.

Director Collings gave background as to MNWD Officers, including consideration of flows to JBL, how to balance DPR with recycling at 3A, additional flows from SMWD and operation of the upper OSO system. Looking for options to coordinate and balance needs, how to evaluate.

Director Dopudja noted that he was ok with the directional decision to explore with the larger agencies, and supportive to take a look at the agreement as to how it is working for everyone.

Director Goldman noted he was unfamiliar with the work of the prior task force. He noted he would not be opposed to exploring options. He noted, however, that with the expiration of the JBL PC Agreement, which is two years away he wonders what happens if PC Agreement expires, would it be extended for a year or two to give more time? Greg Moser noted that this was one of the issues being worked on in the JPA revision. Greg Moser noted that the five to six consensus items could be addressed and expiration dates was one of those items. Attorney Ochoa noted that there has not been substantive input to the JPA process from any of the agencies that work with Best, Best & Krieger as counsel.

Director Collings clarified that the MNWD Board is not interested in a piece meal approach and wants to understand the direction for the JPA as a whole. So, the timeframe MNWD seeks is for a conceptual framework to be considered, a thought process, what makes sense to further explore by the middle of the summer. He noted that the PC 2 agencies could just extend, MNWD, SCWD, SMWD and potentially SJC.

Director Ferons asked where the Procopio Attorneys are on the SJC annexation. Attorney Ochoa noted input was received from two SOCWA agencies. The Procopio attorneys are holding and monitoring for now. Director Ferons noted that the LAFOCO hearing for SJC may be in June 2021. Work has been going on regarding regulatory permit assignment. Discussions have been with ongoing with the Regional Board. Procopio is not too closely involved and watching to see how it moves forward.

Director Goldman inquired as to the capacity rights for SJC, would it still be an entity in the JPA? Attorney Ochoa responded that between SJC, SMWD they are assigning interests, obligations and rights. SJC is still a member agency and the SOCWA Board is not disrupted. SJC would still need to withdraw from the JPA and each of the PCs in which it is involved. There is no disruption at the SOCWA Board level. The withdraw requires a unanimous vote of the SOCWA Board. The next stage is a withdraw agreement with all member agencies signing off on that. There would still be a Board member at SOCWA from SJC until the withdraw is complete. It has been SMWD position that they would not get two seats, but just taking an assignment of rights and obligations. SMWD would be paying 2/10ths.

Director Ferons commented that the MNWD Board has let the SMWD Board know they would like to do all as one item, the JPA Amendment, the IRWD withdraw, the SJC annexation. This can be difficult but not impossible, so this is another reason for the two agencies sitting down. LAFCO will likely condition its approval on the withdraw of SJC from the JPA.

Director Goldman said it makes sense to have the Ad Hoc Committee but would seek a revision to the PC 2 Agreement for JBL given the two-year expiration date that is pending.

The next regularly scheduled Executive Committee Meeting is noted to be on November 9, 2021 at 9:00 a.m.

Adjournment

There being no further business, Chairman Dunbar adjourned the meeting at 10:26 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Executive Committee of May 10, 2021 and approved by the Executive 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

# 4D

**Meeting Date:** June 3, 2021

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

## Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	0	0	1	1
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)	2.64	7.38	6.57	0.94	17.52
Effluent (mgd)	1.86	1.39	6.57	2.13	11.95
Peak Flow (mgd)	6.78	17.58	12.18	5.54	42.08
Influent BOD (mg/l)	264	260	320	336	
Influent TSS (mg/l)	374	349	666	364	
Effluent BOD (mg/l)	8.0	4.6	5.8	7.9	
Effluent TSS (mg/l)	11.7	6.9	6.3	7.9	
Effluent Turbidity (NTU)	3.4	3.2	3.5	4.1	

(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)	1.15	5.99		7.14
Days of Operation (days)	30	30		
Total Flow (million gallons)	34.6	179.7		214.3
Plant Irrigation (million gallons)	0.00	0.03	0.30	
AWT Time Online (%)	100.0	95.0		

### 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 April, 2021 (cont'd)

## Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		763.0	0.0	763.0
Nursery Products (tons)		327.2	589.7	916.8
Prima Deshecha (tons)		0.0	212.3	212.3
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,090.2	802.0	1,892.1

## Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	73	386	236	695
Corrective Maintenance	47	135	147	329

## Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	0	0	0	0
Residents	0	0	0	0
Others	4	2	3	9
Tours #/Visitors	0	0	0	0

## Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	23.2	44.8	80.0

## Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	6.0	36.3	NA	42.3
Utility Power Purchase (kWh)	198,028	NA	120,143	348,605
Cogen Power (kWh)		581,097	446,045	1,027,142
Natural Gas (Dth)	4	3,122	1,032	4,157
Digester Gas to Engine (scfm)		9,040,330	6,267,753	15,308,083
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		3,027,580	244,198	3,271,778
Digester Gas Power Savings		NA		

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 April, 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	1.576	56.88%				1.58
EBSB	0.051	1.84%				0.05
SCWD	1.144	41.28%		1.632	21.74%	2.78
MNWD	0.000	0.00%	7.38	1.400	18.65%	8.78
CSJC				2.208	29.42%	2.21
SMWD				2.266	30.19%	2.27
<b>Total</b>	<b>2.771</b>	<b>100.00%</b>	<b>7.38</b>	<b>7.507</b>	<b>100.00%</b>	<b>17.65</b>

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

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.58	23.70%	1.58	
EBSB				0.05	0.77%	0.05	
SCWD	1.88	14.60%		0.10	1.48%	1.98	Includes Desalters
MNWD	2.78	21.53%		1.39	20.85%	4.16	
ETWD				1.61	24.23%	1.61	Direct Outfall Only
CSJC	2.67	20.71%				2.67	Incudes Desalter
SMWD	2.58	19.98%				2.58	Includes Chiquita
CSC	2.99	23.18%				2.99	Direct Outfall Only
IRWD				1.93	28.96%	1.93	Direct Outfall Only
<b>Total</b>	<b>12.90</b>	<b>100.00%</b>	<b>10.72</b>	<b>6.65</b>	<b>100.00%</b>	<b>19.55</b>	

# SOCWA Operational Report April, 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%	2.208	29.42%	2.18	30.90%
MNWD	3.00	23.08%	1.400	22.36%	1.400	18.65%	1.40	19.82%
SCWD	3.75	28.85%	1.691	27.01%	1.632	21.74%	1.68	23.73%
SMWD	2.25	17.31%	1.100	17.57%	2.266	30.19%	1.80	25.55%
Total	13.00	100.00%	6.261	100.00%	7.507	100.00%	7.06	100.00%

### Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,706	27.34%	6,877	21.30%	6,032	25.67%
MNWD	8,340	21.62%	3,859	18.49%	7,712	23.88%	5,958	25.35%
SCWD	7,715	20.00%	5,181	24.83%	5,219	16.16%	5,910	25.15%
SMWD	10,946	28.38%	6,122	29.34%	12,483	38.66%	5,601	23.83%
Total	38,573	100.00%	20,868	100.00%	32,291	100.00%	23,501	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.62%	2.867	23.61%	2.991	23.18%	2.831	23.56%
CSJC	11.08%	2.460	20.26%	2.673	20.71%	2.494	20.76%
MNWD(3)	15.51%	2.115	17.42%	2.777	21.53%	2.343	19.50%
SCWD	12.47%	1.845	15.20%	1.883	14.60%	1.890	15.73%
SMWD	44.32%	2.855	23.51%	2.578	19.98%	2.456	20.44%
Total	100.00%	12.142	100.00%	12.902	100.00%	12.014	100.00%

(1) Influent billing meter summary:

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

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

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

# SOCWA Operational Report April, 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%	1.576	56.88%	1.565	58.75%
EBSB	0.20	2.99%	0.050	1.86%	0.051	1.84%	0.080	2.99%
SCWD	2.00	29.85%	1.019	37.90%	1.144	41.28%	1.019	38.26%
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%	2.771	100.00%	2.663	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	0.0098	0.0098	0.1313%	0.0132	0.1697%
EBSB	0.00044	0.0058%	0.0000	0.0003	0.0003	0.0042%	0.0007	0.0087%
SCWD	0.00893	0.1177%	0.0000	0.0071	0.0071	0.0953%	0.0085	0.1096%
ETWD	0.01411	0.1859%	0.0000	0.0134	0.0134	0.1787%	0.0153	0.1968%
MNWD	7.55200	99.5033%	7.3767	0.0711	7.4478	99.5905%	7.7574	99.5152%
Total	7.58970	100.0000%	7.3767	0.1017	7.4784	100.0000%	7.7952	100.0000%

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

# SOCWA Operational Report April, 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%	118,639	9.65%	137,643	12.74%
EBSD	295	0.59%	180	0.48%	3,835	0.31%	6,977	0.65%
SCWD	4,480	8.96%	3,626	9.64%	86,112	7.00%	89,213	8.26%
ETWD	10,200	20.41%	5,701	15.15%	161,531	13.14%	160,559	14.86%
MNWD	29,395	58.82%	22,346	59.39%	859,249	69.89%	686,159	63.50%
Total	49,975	100.00%	37,623	100.00%	1,229,366	100.00%	1,080,550	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%	1.576	23.70%	1.565	16.54%
EBSD	0.780%	0.05	0.47%	0.051	0.77%	0.080	0.84%
ETWD	16.302%	2.46	23.08%	1.611	24.23%	2.110	22.31%
IRWD	15.760%	2.48	23.26%	1.926	28.96%	2.544	26.90%
MNWD	43.848%	3.08	28.89%	1.386	20.85%	2.827	29.89%
SCWD	12.310%	0.70	6.57%	0.099	1.48%	0.333	3.52%
Total	100.000%	10.66	100.00%	6.649	100.00%	9.458	100.00%

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

### *Select Critical Equipment Repairs*

#### JBL - PC2

Installed a new hose bib on the process water line to simplify flushing the 4-Side scopes.  
Replaced failed concrete base for Raw Sewage Pump #7.  
Replaced and leveled failed motor for Screenings Conveyor #2.  
Repaired failed scale ramps due to corrosion.  
Replaced TWAS Feed Pump #1, which was leaking due to a mechanical seal failure and corrosion.  
Replaced Vent Fan #1 in the Plant #2 Blower Room, which was vibrating and causing excess noise.  
Overhauled the DAF overflow channel gate, which had become corroded.  
Replaced failing stairs for the Grit Tank Pit.  
Adjusted packing bearing for Process Water Strainer #2, which had become clogged.  
Replaced failed belts and bearings on Exhaust Fan #2 for the Plant #2 Blower Room.

#### CTP - PC15

Replaced 25 failing aeration panels in West #2 Aeration Tank.  
Replaced Aeration Blower #2 outboard bearing and performed vibration analysis on Vaughn Pump.  
Rebuilt West Grit Pump and replaced mechanical seal due to shaft drag causing high amps.  
Replaced failing concrete pad for the DAFT Recirculation Pump.

#### RTP - PC17

Completed re-piping of the corroding and leaking grit system.  
Installed a new control panel on the SET pit sump pumps.  
Poured new concrete for vibration dampening base under the Building 40 Service Air Compressor.  
Rebuilt several failing AWT distribution manifolds and pneumatic valve actuators.  
Removed and replaced failing support beams for the front gate, which needed to be welded and painted.  
Installed a new check valve and piping for Digester 4 Recirculation Pump, which were beyond the end of their useful lives.

#### Support Services - ALL PC'S

Upgraded security protocols on older Panelviews with updated security protocols at all three treatment plants.  
Troubleshooted the Raw Sewage Pump #1 motor issues at JBL.  
Troubleshooted the Emerald Bay Flow Meter, which was not reading correctly at CTP.  
Troubleshooted the Engine Room gas detector and alarm failures at RTP.  
Troubleshooted the PLC programming for RAS pump influent and effluent control system at RTP.  
Replaced failed electric actuator on BioSpark Gas Skid at RTP.  
Removed obsolete bubbler system control panel at RTP.  
Removed obsolete ZAP analyzer unit from the Primary Tanks at RTP.  
Replaced failed DO sensor probes on Aeration Tank #2A at RTP.  
Replaced failed motor for RAS Pump #3 at RTP.  
Replaced failed VFD for the 3WHP Booster Pump Station at RTP.  
Replaced failed flowmeters on the West Aeration Tank at CTP.

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

### *Select Critical Equipment Repairs (cont'd)*

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

Replaced failed electric actuator for Primary Sludge Valve at CTP.

Troubleshoot the East Mixed Liquor Channel TSS Probe, which had failed due to corrosion at CTP.

Troubleshoot the DAFT Tank torque switch at JBL.

Troubleshoot the 4-Side RAS Bubbler system and the failed replaced 120-volt relay at JBL.

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

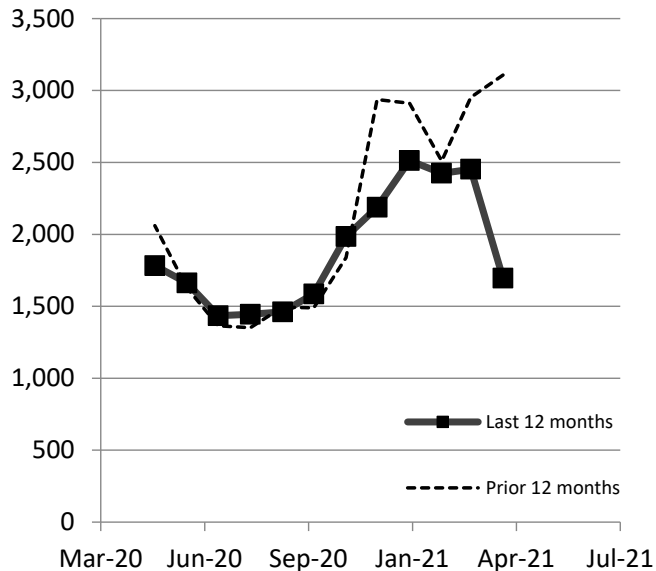
# SOCWA Ocean Outfall Discharges by Agency

## SOCWA Operational Report April, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.58	23.70%	1.58
EBSD			0.05	0.77%	0.05
SCWD	1.88	14.60%	0.10	1.48%	1.98
MNWD	2.78	21.53%	1.39	20.85%	4.16
ETWD			1.61	24.23%	1.61
CSJC	2.67	20.71%			2.67
SMWD	2.58	19.98%			2.58
CSC	2.99	23.18%			2.99
IRWD			1.93	28.96%	1.93
<b>Total</b>	<b>12.90</b>	<b>100.00%</b>	<b>6.65</b>	<b>100.00%</b>	<b>19.55</b>
or Acre-Foot per year equivalent					21,897

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

Apr-21	1,696
Mar-21	2,453
Feb-21	2,425
Jan-21	2,514
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	1,782
<b>Total</b>	<b>22,633</b>





# Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

April 2021

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	FLOW MGD	FLOW MGD	FLOW MGD	inches
04/01/21	3.464	16.0	6.1	<0.3	1.467	12.3	5.9	0.1	2.170	8.0	5.0	<0.1	1.755	7.4	6.0	0.1	0.802	0.563	0.148	10.369	0.00
04/02/21	3.420	11.0		<0.3	1.359	14.8	4.2	0.1	0.87	10.6	5.0	0.1	1.078	8.7	9.0	0.1	0.801	0.544	0.134	8.206	0.00
04/03/21	3.392	21.0		<0.3	1.474	12.5	4.4	0.1	1.290	8.4	5.0		1.811	28.2	14.0		0.802	0.541	0.138	9.448	0.00
04/04/21	3.393	26.0	7.5	<0.3	1.556	16.3		0.1	1.280	7.8	4.0	<0.1	1.909	17.0	14.0		0.802	0.539	0.108	9.587	0.00
04/05/21	3.382	5.2	5.2	<0.3	0.155	14.3		0.1	1.710	7.0	5.0	<0.1	2.272	3.0	6.0	<0.1	0.802	0.536	0.155	9.012	0.00
04/06/21	2.507	21.0	3.4	<0.3	2.097	10.8	4.6	0.1	0.720	6.6	4.0	<0.1	2.038	20.8	15.0	<0.1	0.471	0.536	0.117	8.486	0.00
04/07/21	3.010	18.0	<2.4		1.860	10.0	4.8	0.1	0.510	9.0	3.0	0.1	0.863	14.1	11.0	0.1	0.422	0.533	0.141	7.339	0.00
04/08/21	No Flow				1.072	11.3	4.0	0.1	0.600	6.9	5.0	0.2	1.828	16.3	10.0	0.1	0.422	0.531	0.127	4.580	0.00
04/09/21	No Flow				1.424	12.0	5.3	0.1	0.500	6.3	5.0	0.1	1.956	15.8	12.0	0.1	0.423	0.543	0.131	4.977	0.00
04/10/21	No Flow				1.092	9.3	4.8	0.1	0.550	6.3	5.0		1.462	16.8	11.0		0.422	0.563	0.132	4.221	0.00
04/11/21	No Flow				1.579	9.6		0.1	0.820	4.6	6.0	<0.1	1.979	13.2	10.0	<0.1	0.423	0.568	0.123	5.492	0.00
04/12/21	No Flow				1.991	7.6		0.1	3.850	10.0	8.0	<0.1	1.964	1.6	3.0	<0.1	0.422	0.556	0.125	8.908	0.00
04/13/21	No Flow				1.567	6.8	3.9	0.1	7.600	8.2	6.0	<0.1	1.085	5.7	5.0	<0.1	0.423	0.545	0.128	11.348	0.03
04/14/21	No Flow				1.467	9.3	3.2	0.1	1.380	11.5	4.0	0.1	0.521	4.7	4.0	0.2	0.000	0.544	0.136	4.048	0.01
04/15/21	No Flow				1.928	9.3	4.1	<0.1	0.790	5.8	4.0	0.1	1.496	16.8	9.0	0.1	0.000	0.534	0.163	4.911	0.00
04/16/21	No Flow				1.622	12.3	3.8	<0.1	1.400	5.6	4.0	0.1	1.626	4.7	6.0	0.1	0.561	0.532	0.129	5.870	0.00
04/17/21	No Flow				1.877	9.5	4.3	<0.1	0.610	6.7	4.0		1.484	13.9	11.0		0.788	0.530	0.137	5.426	0.00
04/18/21	No Flow				2.263	10.0		<0.1	1.110	7.0	6.0	<0.1	2.040	3.3	5.0		0.789	0.530	0.113	6.845	0.00
04/19/21	No Flow				1.147	11.0		<0.1	1.410	7.7	7.0	<0.1	2.007	7.2	6.0	<0.1	0.788	0.529	0.122	6.003	0.00
04/20/21	No Flow				1.593	9.5	4.9	<0.1	0.740	6.0	4.0	<0.1	1.075	11.8	6.0	<0.1	0.645	0.529	0.163	4.745	0.00
04/21/21	No Flow				1.160	9.2	4.6	0.1	0.740	6.8	4.0	0.1	1.455	9.1	5.0	0.1	0.814	0.528	0.119	4.816	0.00
04/22/21	No Flow				1.254	12.3	4.7	<0.1	0.750	5.3	4.0	0.2	1.734	22.6	6.0	0.1	0.814	0.527	0.137	5.216	0.00
04/23/21	No Flow				1.199	11.3	4.0	<0.1	0.610	5.3	3.0	0.1	1.951	14.8	8.0	0.1	0.813	0.526	0.134	5.233	0.00
04/24/21	No Flow				0.928	11.0	3.5	<0.1	0.560	5.1	4.0		1.234	23.9	14.0		0.814	0.559	0.136	4.231	0.00
04/25/21	No Flow				1.790	15.0		0.1	2.000	5.0	5.0	<0.1	2.286	3.8	5.0		0.718	0.561	0.115	7.470	0.00
04/26/21	No Flow				2.794	10.8		0.1	2.760	6.8	5.0	<0.1	2.412	2.8	5.0	<0.1	0.788	0.561	0.127	9.442	0.07
04/27/21	No Flow				2.839	9.2	4.1	<0.1	1.710	5.4	4.0	<0.1	2.157	1.9	3.0	<0.1	0.788	0.559	0.104	8.157	0.00
04/28/21	No Flow				1.904	9.0	2.9	<0.1	1.110	6.0	3.0	<0.1	1.802	8.6	5.0	0.1	0.773	0.558	0.107	6.254	0.00
04/29/21	No Flow				1.844	9.5	3.3	0.1	0.830	5.5	3.0	0.1	2.102	10.3	6.0	0.1	0.789	0.557	0.165	6.287	0.00
04/30/21	No Flow				2.037	9.3	4.2	<0.1	0.610	5.3	4.0	0.2	2.382	21.4	11.0	0.1	0.766	0.557	0.129	6.481	0.00
AVG	0.752	16.9	4.9	<0.3	1.611	10.8	4.3	<0.1	1.386	6.9	4.6	<0.1	1.725	11.7	8.0	<0.1	0.630	0.544	0.131	6.780	
TOTAL	22.57				48.34				41.59				51.76				18.89	16.32	3.943	203.41	0.11

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2021  
 REPORT DUE: June 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: High Tide 650

Weather: Fog

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	04/07/21	755	<10	<10	<2	None	None	None	None	Green	59	Clear		
S4	04/07/21	950	<10	<10	<2	None	None	None	None	Green		Clear		
S5	04/07/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
S6	04/07/21	915	10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/07/21	910	<10	<10	<2	None	None	None	None	Green		Clear		
S7	04/07/21	905	10	<10	<2	None	None	None	None	Green		Clear		
S8	04/07/21	855	<10	10	<2	None	None	None	None	Blue		Clear		
S9	04/07/21	845	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	04/07/21	840	20	<10	<2	None	None	None	None	Green		Clear		
S10	04/07/21	825	10	<10	<2	None	None	None	None	Green		Clear		
S11	04/07/21	815	10	100	4	None	None	None	None	Green		Clear		
S12	04/07/21	810	220	220	6	None	None	None	None	Green		Clear		

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: April 2021  
 REPORT DUE: June 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 1112

Weather: Partly Cloudy

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	04/14/21	740	<10	<10	<2	None	None	None	None	Green	59	Clear		
S4	04/14/21	1025	<10	<10	<2	None	None	None	None	Green		Clear		
S5	04/14/21	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S6	04/14/21	940	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/14/21	935	<10	<10	<2	None	None	None	None	Green		Clear		
S7	04/14/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
S8	04/14/21	925	<10	<10	<2	None	None	None	None	Blue				
S9	04/14/21	910	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	04/14/21	905	50	<10	4	None	None	None	None	Green		Clear		
S10	04/14/21	845	10	<10	<2	None	None	None	None	Green		Clear		
S11	04/14/21	830	<10	<10	<2	None	None	None	None	Green		Clear		
S12	04/14/21	810	<10	<10	<10	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: April 2021  
 REPORT DUE: June 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 443

Weather: Overcast

COMMENTS:

0.0

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	04/21/21	750	<10	<10	<2	None	None	None	None	Green	60	Clear		
S4	04/21/21	1015	<10	<10	<2	None	None	None	None	Green		Clear		
S5	04/21/21	955	<10	<10	<2	None	None	None	None	Green		Clear		
S6	04/21/21	940	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/21/21	935	10	<10	<2	None	None	None	None	Green		Clear		
S7	04/21/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
S8	04/21/21	920	10	<10	<2	None	None	None	None	Blue		Clear		
S9	04/21/21	910	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	04/21/21	905	<10	<10	<2	None	None	None	None	Green		Clear		
S10	04/21/21	850	10	<10	<2	None	None	None	None	Green		Clear		
S11	04/21/21	840	<10	<10	<2	None	None	None	None	Green		Clear		
S12	04/21/21	830	10	10	2	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2021  
 REPORT DUE: June 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 538  
 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	04/29/21	745	30	<10	<2	None	None	None	None	Green	60	Clear		
S4	04/29/21	1010	<10	<10	<2	None	None	None	None	Green		Clear		
S5	04/29/21	955	20	10	2	None	None	None	None	Green		Clear		
S6	04/29/21	940	10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/29/21	935	10	<10	<2	None	None	None	None	Green		Clear		
S7	04/29/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
S8	04/29/21	925	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	04/29/21	910	10	10	<2	None	None	None	None	Green		Clear		
ACM1	04/29/21	840	200	<10	2	None	None	None	None	Green		Clear	Flowing	
S10	04/29/21	830	10	<10	<2	None	None	None	None	Green		Clear		
S11	04/29/21	820	10	10	<2	None	None	None	None	Green		Clear		
S12	04/29/21	815	<10	<10	<2	None	None	None	None	Green		Clear		

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

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



## Aliso Creek Ocean Outfall

### Unified Beach Water Quality Monitoring Stations

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

Station	Location
S3	Three Arch Bay Beach; 10,000' down-coast from ACOO
S4	Ninth Street-1000 Steps; 5,000' down-coast from ACOO
S5	Laguna Lido Beach; 4,000 down-coast from ACOO
West	West Street Drain; 2,000' down-coast from ACOO
S6	Table Rock Beach; 3,000' down-coast from ACOO
S7	Camel Point Beach; 2,000' down-coast from ACOO
S8	Aliso Beach south; 1,000' down-coast from ACOO
S9	Aliso Beach middle; at ACOO
ACM1	Aliso Beach at Aliso Creek Outlet
S10	Aliso Beach north; 1,000' up-coast of ACOO
S11	Treasure Island Beach; 2,000' up-coast of 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: April 2021

REPORT DUE: June 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: High Tide 1056

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	04/28/21	<2	<2	<2	800	0	0	0 - None
A-1	Mid depth	04/28/21	480	140	10				1 - Mild
A-2	Surface	04/28/21	<2	<2	<2	750	0	0	2 - Moderate
A-2	Mid depth	04/28/21	190	130	10				3 - Severe
A-3	Surface	04/28/21	<2	<2	<2	753	0	0	
A-3	Mid depth	04/28/21	30	10	<10				
A-4	Surface	04/28/21	<2	<2	<2	803	0	0	
A-4	Mid depth	04/28/21	380	150	30				
A-5	Surface	04/28/21	<2	<2	<2	757	0	0	
A-5	Mid depth	04/28/21	450	170	10				
B-1	Surface	04/28/21	<2	<2	<2	741	0	0	
B-1	Mid depth	04/28/21	30	70	10				
B-2	Surface	04/28/21	<2	<2	<2	810	0	0	
B-2	Mid depth	04/28/21	360	160	<10				
N1	Surface	04/28/21	2	<2	<2	826	0	0	
N2	Surface	04/28/21	<2	<2	<2	825	0	0	
N3	Surface	04/28/21	8	2	<2	823	0	0	
N4	Surface	04/28/21	>=20	2	2	822	0	0	
N5	Surface	04/28/21	2	<2	<2	821	0	0	
N6	Surface	04/28/21	2	<2	<2	820	0	0	
N7	Surface	04/28/21	<2	<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

April 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
04/01/21	7.530	8.8	7.2	0.1	3.302	11.5	7.0	<0.1	0.101	2.2	2.6	<0.1	1.469	33.0	23.0	ND	0.234	0.208	12.470	0.00
04/02/21	7.040	10.3	7.8	0.1	3.383	12.7	9.0	<0.1	0.289	3.9	2.4	<0.1	1.460	10.2	9.4	ND	0.407	0.204	11.990	0.00
04/03/21	7.360	9.6	9.3		3.253	12.9	8.0	<0.1	0.369				1.475				0.418	0.204	12.110	0.00
04/04/21	7.240	9.5	8.2		2.711				1.694				1.413				0.416	0.209	11.890	0.00
04/05/21	7.000	9.2	13.9	<0.1	3.048	12.2	8.0	<0.1	0.176	4.2	6.9	0.1	1.425	15.0	10.2	ND	0.414	0.203	12.310	0.00
04/06/21	6.910	4.5	4.8	<0.1	2.722	12.8	10.0	<0.1	0.062	2.6	8.8	0.4	1.376	10.6	8.8	ND	0.415	0.208	13.440	0.00
04/07/21	6.730	6.5	4.5	<0.1	2.598	11.5	7.0	0.1	0.013	4.0	3.6	0.2	1.490	15.0	13.2	ND	0.409	0.205	11.470	0.00
04/08/21	7.300	8.1	6.7	0.1	2.928	11.6	8.0	<0.1	0.029	3.4	2.0	<0.1	1.458	14.2	12.2	ND	0.413	0.204	11.060	0.00
04/09/21	6.820	6.6	6.5	0.1	1.842	8.2	7.0	<0.1	0.013	3.0	2.3	<0.1	1.447	11.4	9.4	ND	0.413	0.190	11.820	0.00
04/10/21	6.920	6.2	5.7		2.245				0.027				1.452				0.413	0.209	10.540	0.00
04/11/21	7.020	6.2	5.7		2.955				0.000				1.468				0.413	0.204	10.470	0.00
04/12/21	7.180	6.2	5.7	<0.1	2.791	14.0	7.0	<0.1	0.277	2.2	8.6	0.1	1.474	14.6	10.2	ND	0.413	0.209	11.300	0.00
04/13/21	7.110	6.4	5.0	<0.1	3.144	11.3	10.0	<0.1	0.051	3.2	7.2	0.1	1.296	22.0	18.2	ND	0.431	0.204	11.720	0.03
04/14/21	7.180	7.2	4.0	0.1	3.162	11.3	8.0	<0.1	0.282	3.8	4.0	<0.1	1.493	16.6	11.5	ND	0.480	0.209	12.190	0.01
04/15/21	7.100	5.7	6.0	0.2	2.314	11.3	8.0	<0.1	0.006	2.6	2.0	0.1	1.430	15.6	10.5	ND	0.511	0.204	11.820	0.00
04/16/21	6.960	6.4	7.7	0.1	2.800	10.8	7.0	<0.1	0.010	2.1	2.1	<0.1	1.329	14.2	11.0	ND	0.535	0.209	11.650	0.00
04/17/21	7.140	1.9	3.9		2.586				0.000				1.507				0.535	0.205	11.040	0.00
04/18/21	7.260	4.6	7.3		2.908				0.000				1.459				0.517	0.204	11.090	0.00
04/19/21	7.140	7.5	8.0	<0.1	2.903	16.9	8.0	<0.1	0.009	2.8	6.8	<0.1	1.485	10.6	7.7	ND	0.519	0.209	11.700	0.00
04/20/21	7.080	5.8	5.6	<0.1	3.038	18.8	9.0	<0.1	0.008	3.2	7.0	<0.1	1.561	14.6	10.2	ND	0.515	0.204	11.880	0.00
04/21/21	6.910	6.8	5.6	0.1	2.235	19.2	10.0	<0.1	0.033	3.2	3.8	<0.1	1.063	13.8	9.8	ND	0.514	0.208	11.530	0.00
04/22/21	6.890	6.5	4.8	0.2	3.829	19.0	12.0	0.1	0.011	3.4	3.8	<0.1	0.672	12.0	9.2	ND	0.514	0.204	11.310	0.00
04/23/21	6.600	6.9	6.3	0.1	3.271	15.0	9.0	<0.1	0.014	3.1	4.8	0.2	1.202	9.0	7.9	ND	0.516	0.204	11.370	0.00
04/24/21	6.730	5.6	5.1		3.276				0.006				0.563				0.517	0.209	10.790	0.00
04/25/21	7.140	5.3	6.9		4.076				0.733				1.640				0.517	0.210	11.340	0.00
04/26/21	9.200	6.9	7.0	<0.1	2.627	13.1	7.0	<0.1	2.941	8.2	8.2	0.1	1.505	11.8	8.6	ND	0.518	No Flow	11.340	0.07
04/27/21	9.030	5.4	5.4	<0.1	4.435	10.5	8.0	<0.1	2.119	6.6	7.0	0.1	1.446	11.4	8.8	ND	0.519	No Flow	16.000	0.00
04/28/21	9.090	7.5	5.7	0.1	3.281	9.4	7.0	<0.1	0.014	4.8	4.9	<0.1	1.450	12.0	9.2	ND	0.519	1.099	18.940	0.00
04/29/21	7.490	8.5	7.1	0.2	3.706	7.1	6.0	<0.1	0.056	3.6	4.4	<0.1	1.444	11.4	9.5	ND	0.505	1.018	16.410	0.00
04/30/21	6.600	6.8	5.7	0.2	2.367	10.2	8.0	<0.1	0.017	3.7	4.0	<0.1	1.367	6.8	9.1	ND	0.470	0.273	14.620	0.00
AVG	7.257	6.8	6.4	<0.1	2.991	12.7	8.2	<0.1	0.312	3.6	4.9	<0.1	1.377	13.9	10.8	ND	0.464	0.251	12.254	
TOTAL	217.700				89.736				9.360				41.319				13.930	7.530	367.610	0.11

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: April 2021  
 REPORT DUE: June 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 0429

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/05/21	0855	60	60	12	None	None	None	None	Green	54	Turbid		
S1	04/05/21	0910	<20	<20	4	None	None	None	None	Green		Turbid		
S2	04/05/21	0815	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB5	04/05/21	0835	<20	<20	2	None	None	None	None	Green		Turbid		
S3	04/05/21	0915	<20	<20	2	None	None	None	None	Green		Turbid		
DSB4	04/05/21	0915	<20	20	<2	None	None	None	None	Green		Turbid		
S5	04/05/21	0920	<20	<20	2	None	None	None	None	Green		Turbid		
DSB1	04/05/21	0925	<20	<20	2	None	None	None	None	Green		Turbid		
SJC1	04/05/21	0856	1,500	600	300	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-San Juan Creek Ocean Outfall

REPORT FOR: April 2021  
 REPORT DUE: June 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 543

Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition			
S0	04/15/21	845	<20	<20	<2	None	None	None	None	Green	59	Slightly Turbid			
S1	04/15/21	855	<20	<20	<2	None	None	None	None	Green		Slightly Turbid			
S2	04/15/21	830	<20	<20	4	None	None	None	None	Green		Slightly Turbid			
DSB5	04/15/21	805	200	20	20	None	None	None	None	Brown		Slightly Turbid			
S3	04/15/21	900	<20	<20	<2	None	None	None	None	Green		Slightly Turbid			
DSB4	04/15/21	905	<20	<20	2	None	None	None	None	Green		Slightly Turbid			
S5	04/15/21	915	<20	<20	20	None	None	None	None	Green		Slightly Turbid			
DSB1	04/15/21	925	<20	20	<2	None	None	None	None	Green		Slightly Turbid			
SJC1	04/15/21	840	<100	<100	100	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: April 2021  
 REPORT DUE: June 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 1117

Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition			
S0	04/20/21	0950	<20	<20	<2	None	None	None	None	Green	65	Turbid			
S1	04/20/21	1000	<20	<20	<2	None	None	None	None	Green		Turbid			
S2	04/20/21	0915	<20	<20	<2	None	None	None	None	Green		Turbid			
DSB5	04/20/21	0900	20	<20	6	None	None	None	None	Green		Turbid			
S3	04/20/21	1010	<20	<20	<2	None	None	None	None	Green		Turbid			
DSB4	04/20/21	1010	<20	<20	<2	None	None	None	None	Green		Turbid			
S5	04/20/21	1015	<20	<20	<2	None	None	None	None	Green		Turbid			
DSB1	04/20/21	1030	<20	<20	20	None	None	None	None	Green		Turbid			
SJC1	04/20/21	0951	<10	<10	<10	None	None	None	None	Green		Turbid			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: April 2021  
 REPORT DUE: June 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 1056

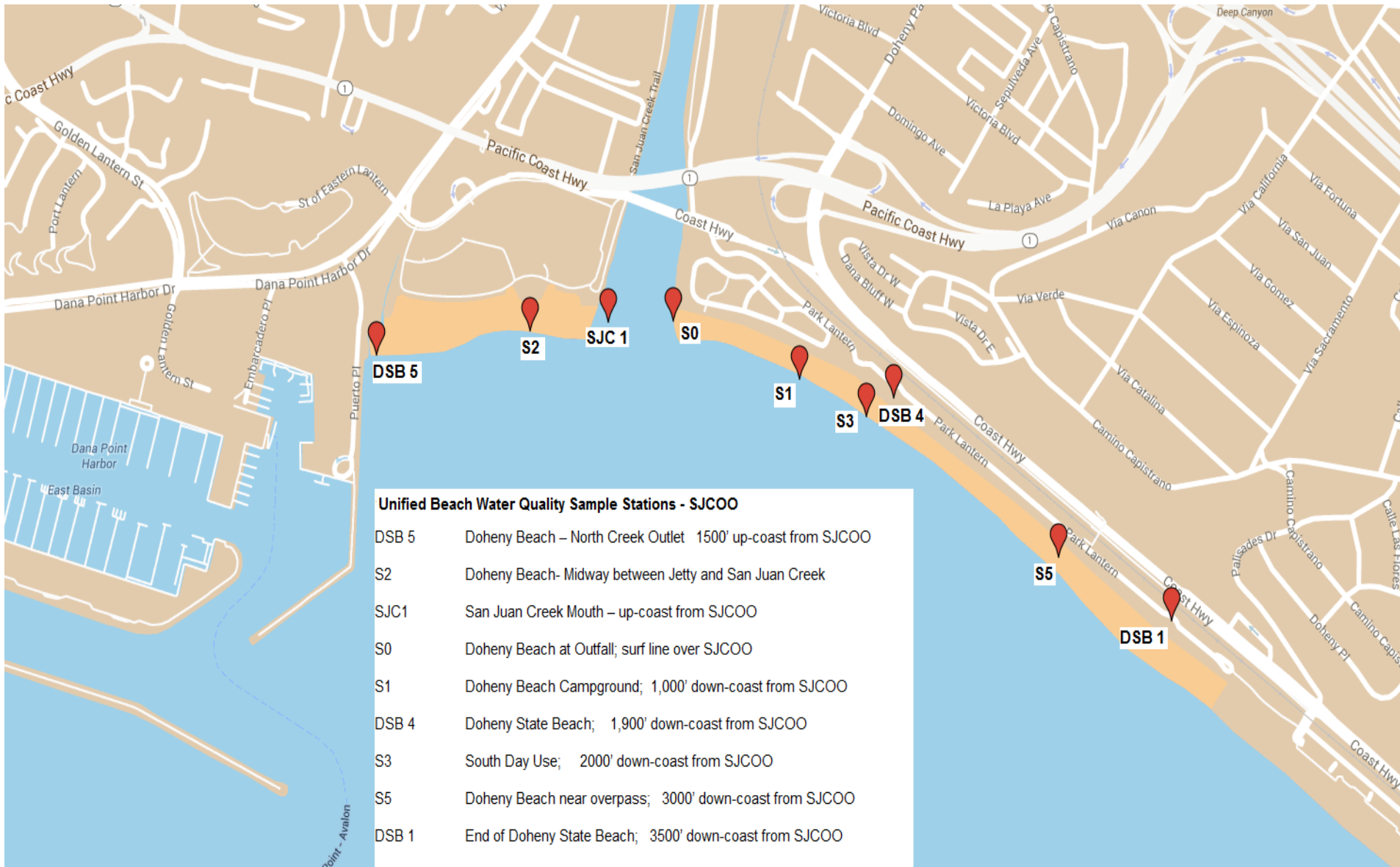
Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/27/21	850	20	20	2	None	None	None	None	Green	61	Turbid		
S1	04/27/21	900	20	20	2	None	None	None	None	Green		Turbid		
S2	04/27/21	815	60	<20	10	None	None	None	None	Green		Turbid		
DSB5	04/27/21	805	220	180	28	None	None	None	None	Green		Slightly Turbid		
S3	04/27/21	902	20	<20	2	None	None	None	None	Green	61	Turbid		
DSB4	04/27/21	903	20	<20	<2	None	None	None	None	Green		Turbid		
S5	04/27/21	910	20	<20	2	None	None	None	None	Green		Turbid		
DSB1	04/27/21	914	20	<20	<2	None	None	None	None	Green	54	Turbid		
SJC1	04/27/21	845	100	<100	<10	None	None	None	None	Green		Turbid		

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





## 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: April 2021

REPORT FREQUENCY: Monthly

REPORT DUE: June 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: High Tide 1056

Station No.	Sample Depth	Sample Date	Total Coliform	Fecal Coliform	Enterococcus	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600				
A-1	Surface	04/28/21	6	<2	<2	926	0	0	
A-1	Mid depth	04/28/21	70	<10	<10				
A-2	Surface	04/28/21	<2	<2	<2	929	0	0	
A-2	Mid depth	04/28/21	110	70	20				
A-3	Surface	04/28/21	<2	<2	<2	932	0	0	
A-3	Mid depth	04/28/21	80	10	10				
A-4	Surface	04/28/21	2	<2	<2	939	0	0	
A-4	Mid depth	04/28/21	180	60	60				
A-5	Surface	04/28/21	<2	<2	<2	935	0	0	
A-5	Mid depth	04/28/21	280	70	20				
B-1	Surface	04/28/21	<2	<2	<2	920	0	0	
B-1	Mid depth	04/28/21	90	10	<10				
B-2	Surface	04/28/21	<2	<2	<2	950	0	0	
B-2	Mid depth	04/28/21	30	30	<10				
N1	Surface	04/28/21	<2	<2	<2	903	0	0	
N2	Surface	04/28/21	4	<2	<2	901	0	0	
N3	Surface	04/28/21	20	2	<2	858	0	0	
N4	Surface	04/28/21	10	2	<2	855	0	0	
N5	Surface	04/28/21	8	2	<2	852	0	0	
N6	Surface	04/28/21	8	<2	<2	851	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	
SOCWA - RTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	3/2/2021	TDS	12-Month	mg/L	1000	1160	
SOCWA - CTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - CTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - RTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/6/2021	TDS	12-Month	mg/L	1000	1160	
MNWD - 3A	4/24/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	4/24/2021	TDS	12-Month	mg/L	1000	1260	

## SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

### QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Apr 30, 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	885	964	856	899	1,133	1,143	997
Chloride	mg/L	375	214	217	200	257	227	249	261
Sulfate	mg/L	400	212	293	237	207	310	337	299
Sodium	mg/L	None	196	163	153	190	188	183	163
Alkalinity	mg/L	None	-	-	-	-		260	231
Adjusted SAR	Ratio	None	50.42	4.71	4.78	5.78	4.28	4.18	4.25
Iron	mg/L	0.3	0.023	0.031	0.130	0.009	0.14	0.328	0.125
Manganese	mg/L	0.05	0.007	0.028	0.040	0.007	0.07	0.109	0.071
MBAS	mg/L	0.5	<0.03	0.13	0.13	0.26	ND	<0.07	<0.10
Boron	mg/L	0.75	0.320	0.357	0.347	0.400	0.39	0.397	0.33
Fluoride	mg/L	None	0.44	0.703	0.57	0.61	0.94	0.99	0.83
Total Organic Carbon	mg/L	None	8.7	11.9	11.6	7.6	3.1	11.0	8.3

\*\*\* 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	1.00	4.00									5.00
CSJC 2	Chiquita/SMWD	18.21	22.92	28.95	33.86									103.94
CSJC 3	Non-Domestic Wel	0.00	0.00	0.05	15.85									15.90
ETWD	Region 8	53.03	75.50	79.89	171.14									379.56
IRWD														
4	IRWD - 8	66.48	39.90	59.73	129.00									295.12
4	IRWD - 9	23.71	19.32	36.02	78.54									157.60
SCWD	SOCWA CTP	68.70	42.73	52.98	106.27									270.68
MNWD	JRP	151.70	275.99	386.65	551.51									1365.84
	3-A Plant	59.99	0.00	0.00	5.83									65.82
5	CTP	29.42	2.50	2.92	10.48									45.33
SMWD	Oso Creek	148.61	121.98	141.01	126.41									538.02
	Chiquita	438.61	284.46	285.90	454.13									1463.09
	Nichols	1.61	1.50	1.71	1.67									6.49
TCWD	RRWRP	50.41	43.87	52.48	NR									146.75
<b>TOTALS</b>		<b>1110.47</b>	<b>930.66</b>	<b>1129.30</b>	<b>1688.70</b>									<b>4859.13</b>

- 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

# 4D

**Legal Counsel Review:** No

**Meeting Date:** June 3, 2021

**TO:** SOCWA Board of Directors

**FROM:** Betty Burnett, General Manager

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

**SUBJECT:** Monthly Pretreatment Report, April and May 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. CSC and SCWD are the two remaining MAs in need of adopting the Ordinance amendments. SCWD and CSC Staff have confirmed plans to adopt the changes during their June meetings.

## 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:

CSJC/SMWD – SWD Permit Nos. CSJC-4-002-09-25 and SOCWA-4-001-08-25 - Two new permits will be issued to SMWD for discharge to sewer facilities associated with the following facilities: 1.) Groundwater Recovery Plant (GWRP) located at 32470 Paseo Adelanto and 2.) North Open Space Pump Station and Settling Basin located at 30291 Camino Capistrano. In anticipation of SMWD annexing CSJC, SOCWA Staff is preparing to terminate existing permits issued to CSJC and to reissue new permits which replace CSJC with SMWD as the new operator and permit holder. The reissuance of permits have been reviewed by respective legal counsels.

CSJC/SMWD – NSWD Permit No. CSJC-N4-001-08-22 - Alipaz Diversion – Shortly after SMWD annexes CSJC, Staff will terminate the existing Alipaz Diversion permit and will reissue with SMWD replacing CSJC as co-issuer with SOCWA. Under the annexation, SMWD will assume CSJC's rights and obligations under this permit.

CSJC/SMWD – WD Permit No. CSJC-2-001-12-22 Rancho Mission Viejo Riding Park – In anticipation of SMWD annexing CSJC, Staff is in discussion with legal regarding re-issuance of a new permit replacing CSJC with SMWD as the new permit issuer.

CSC – WD Permit No. CSC-2-007-06-25 - Regenesis – At the request of the IU, the permit was modified in late May 2021 to increase the daily permitted flow from 500-1000 gpd at a discharge rate of no more than 10 gpm. If no adverse impacts to treatment facilities are experienced in a six-month time-frame, the permit may again be modified to increase the total daily flow limit to 1500 gpd.

CSC – WD Permit No. CSC-2-006-06-21 – SnowPure - The current WD Permit expires June 20, 2021. IU Staff submitted a renewal Permit Application on May 18, 2021. SOCWA Staff expects to issue a renewal permit with no major changes on-time.

### Trainings and Committee Meetings Attended

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.

SOCWA Staff attended the 2021 NACWA Pretreatment Virtual Workshop May 17-20, 2021. Staff led the EPA Region 9 breakout session as well as a roundtable discussion of “Zero Discharge & Non-Significant Categorical IUs.”

### Inspections

MNWD – On May 14, 2021, SOCWA Staff inspected NuVasive Orthopedics located at 100 Enterprise, Aliso Viejo, CA 92656 in response to a submitted WD Permit Application received May 10, 2021. Inspection findings confirmed that the site performed light passivation with no discharge from the process to the sewer. The site will be issued a Zero Categorical IU WD Permit.

CSC – On May 14, 2021, SOCWA Staff inspected SnowPure located at 130 Calle Iglesia, San Clemente, CA 92672. Inspection findings confirmed the need to renew the existing WD Permit which expires June 20, 2021.

CSC – On May 20, 2021, SOCWA Staff inspected Regenesis located at 1011 Calle Sombra #100, San Clemente, CA 92673. In response to a request to increase the daily permitted flow limit, IU Staff were directed to install a flow meter and regulator to limit discharge to no more than 10 gpm. SOCWA Staff verified the installation and performed an industrial wastewater inspection.

### Summary of IWS Activities in the SOCWA Service Area - YTD through May 19, 2021

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	110	25	0	0	128
CSC (S)	6	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)	2	1	0	0	0	0	0	0	0	1
IRWD (S)	3	4	51	21	63	937	24	0		1100
MNWD (S)	32	4	123	39	629	2091	201	6	0	3087
SMWD (S)	26	6	19	20	209	790	79	5	0	1123
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
Totals	70	61	378	169	1637	7236	535	11	1	9992

(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

# 4E

**Board of Directors Meeting**

**Meeting Date:** June 3, 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:*

New TWAS Pumps (left) and removal of deteriorating bridges (right)



### 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:*

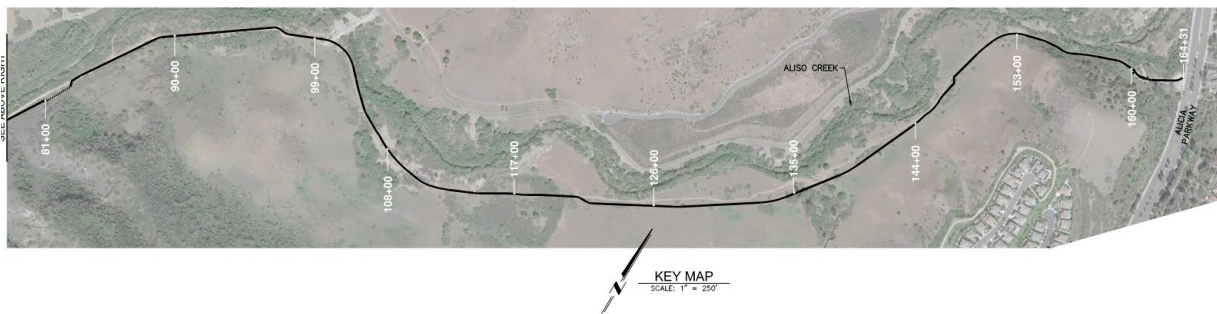
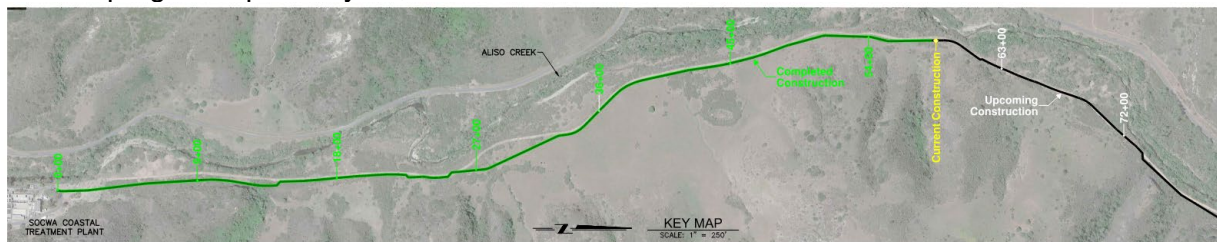
Installation of piles for the new ferric chloride system (left). Cutting over new electrical equipment (right).



### 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:*

Current progress up to May 17, 2021



**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			
		1st	2nd	3rd	4th	1st	2nd	3rd	4th
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>			
3606-000	Junction Structure Sleeve Insertion	Design	This project was completed on March 31, 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 August 2021.
4501-000	Electrical Manhole/Cable Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in August 2021.
4502-000	Building Roof Condition Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in August 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. This project is scheduled for Fiscal year 2021/2022.
3758-000	AWT No.2 Upgrade Construction	Hold	The design by Carollo is completed. This project is scheduled for Fiscal year 2021/2022.
3759-000	AWT No.2 Electrical Upgrades	Hold	The design by Carollo is completed. This project is scheduled for Fiscal year 2021/2022.
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)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
<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.
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.
3750-000	Dewatering Room Floor Sealing and Lighting (2019)	Design	Harper & Associates has been retained to provide a specification for the floor sealing.
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 September 2021.

# Agenda Item

# 4F

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** PC-2, 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, 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 three new change orders for the PC 2 JB Latham Package B Project totaling \$134,453, one new change order for the PC 15 Sludge Force Main Replacement Project for \$5,690, and three new change orders for PC 15 Coastal Treatment Plant Facility Improvements Project totaling \$14,394.

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:

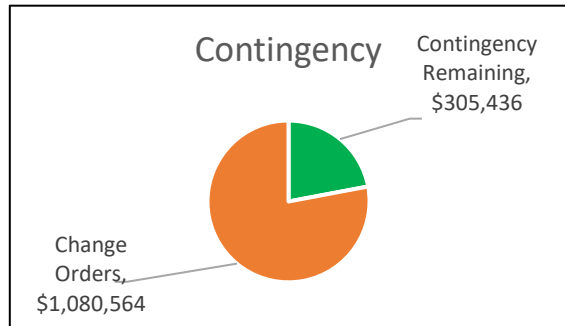
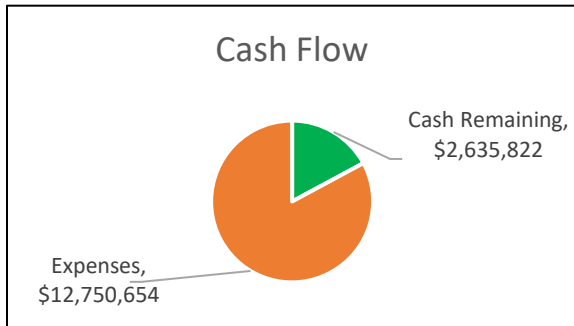
- the PC-2 Board of Directors to approve Olsson Construction Change Orders 19 through 21 for a total of \$134,453
- the PC-15 Board of Directors to approve J.R. Filanc Change Order 1 for \$5,690
- the PC-15 Board of Directors to approve PCL Change Orders 22 through 24 for a total of \$14,394

**Project Financial Status**

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

**Data Last Updated**

May 25, 2021



**Cash Flow**

Collected	\$15,386,476
Expenses	\$12,750,654

**Project**

**Completion**

Schedule	73%
Budget	57%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 562,791	\$ 17,887,791	\$ 9,766,232
Butier	13647	\$ 895,727	\$ 290,156	\$ 1,185,883	\$ 895,727
Carollo	13616	\$ 846,528	\$ 227,617	\$ 1,074,145	\$ 810,533
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		<b>\$ 19,161,255</b>	<b>\$ 1,080,564</b>	<b>\$ 20,241,819</b>	<b>\$11,554,329</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 383,825	\$ 232,975	62.2%
Common	3231-000	\$ 96,800	\$ 41,412	\$ 55,388	42.8%
Solids	3287-000	\$ 672,400	\$ 655,327	\$ 17,073	97.5%
		<b>\$ 1,386,000</b>	<b>\$ 1,080,564</b>	<b>\$ 305,436</b>	<b>78.0%</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
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Approved by Board of Directors	5/6/2021		\$ 34,392
18	Olsson	3287-000	Integrator Additional Site Visits	Approved by Board of Directors	5/6/2021		\$ 7,572
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	Within Contingency, reviewed by Engineering Committee	5/13/2021		\$ 29,417
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	Within Contingency, reviewed by Engineering Committee	5/13/2021		\$ 62,114
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	Within Contingency, reviewed by Engineering Committee	5/13/2021		\$ 42,923
1CM Common	Butier	3231-000	CM Change Order No. 1	Within Contingency, reviewed by Engineering Committee	5/13/2021		\$ 23,202
1CM Liquids	Butier	3220-000	CM Change Order No. 1	Within Contingency, reviewed by Engineering Committee	5/13/2021		\$ 139,285

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
<b>1CM Solids</b>	<b>Butier</b>	<b>3287-000</b>	<b>CM Change Order No. 1</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 127,669</b>
<b>1ESDC Common</b>	<b>Carollo</b>	<b>3231-000</b>	<b>ESDC Change Order No. 1</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 18,210</b>
<b>1ESDC Liquids</b>	<b>Carollo</b>	<b>3220-000</b>	<b>ESDC Change Order No. 1</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 109,256</b>
<b>1ESDC Solids</b>	<b>Carollo</b>	<b>3287-000</b>	<b>ESDC Change Order No. 1</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 100,151</b>
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	



Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1 and Relocation of MCC-F1	Potential Change	(blank)	\$466,000	
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)	\$10,000	
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)	\$10,000	
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	
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 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020	\$30,000	
PCO 43	Olsson	3220-000	Telescoping Valve Pipe Support	Potential Change	(blank)	\$3,754	

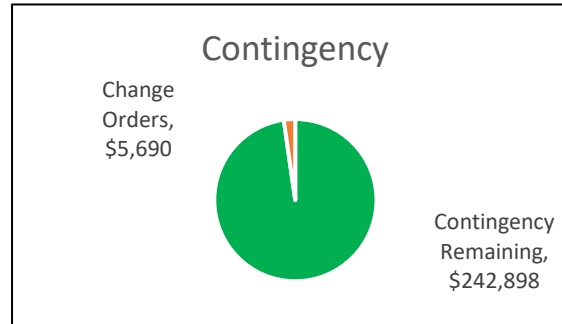
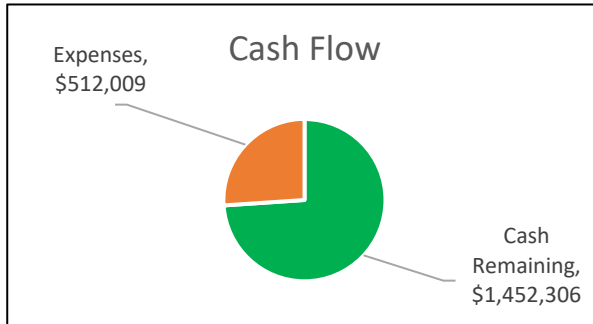
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 46	Olsson	3220-000	UV Protected Wear Strips	Potential Change	(blank)	\$29,545	
PCO 66	Olsson	3287-000	DAFT 1 and 2 Repairs	Potential Change	(blank)	\$300,000	
PCO 98	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	Potential Change	(blank)	-\$800,000	
PCO 99	Olsson	3223-000	Energy Building Modifications Descope (F1-F4, G1-G2, & H1-H2)	Potential Change	(blank)	-\$600,000	
Grand Total						-\$420,253	\$ 1,080,564

**Project Financial Status**

**Data Last Updated**

May 25, 2021

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



**Cash Flow**

Collected	\$1,964,315
Expenses	\$512,009

**Project Completion**

Schedule	46%
Budget	12%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15949	\$ 3,107,346	\$ 5,690	\$ 3,113,036	\$ 331,372
Butier	16164	\$ 226,100	\$ -	\$ 226,100	\$ 27,215
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ 14,958
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ 97,213
Ninyo & Moore	16268	\$ 65,790	\$ -	\$ 65,790	\$ 5,702
		<b>\$ 4,064,354</b>	<b>\$ 5,690</b>	<b>\$ 4,070,044</b>	<b>\$476,460</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ 5,690	\$ 242,898	2.3%
		<b>\$ 248,588</b>	<b>\$ 5,690</b>	<b>\$ 242,898</b>	<b>2.3%</b>

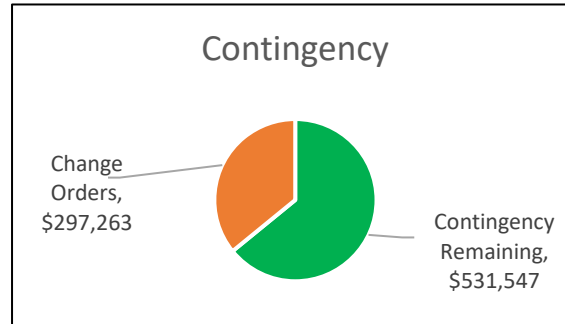
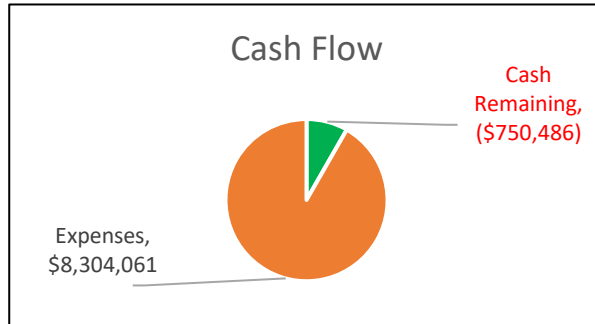
**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
<b>1</b>	<b>Flanc</b>	<b>3541-000</b>	<b>Alternative Fiber Optic Conduit Installation at Jack and Bore</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 5,690</b>
PCO 001	Filanc	3541-000	HDPE Pipe Price Adjustment	Potential Change	3/26/2021	\$18,276	
PCO 002	Filanc	3541-000	Pipe Bedding Material Potential Change	Potential Change	3/26/2021	\$0	
PCO 004	Filanc	3541-000	Time Extension Due to Creek Bank Environmental Constraint	Potential Change	3/26/2021	\$0	
PCO 005	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	Potential Change	3/26/2021	\$7,964	
PCO 006	Filanc	3541-000	Additional Fiber Optic Conduit (Duplicate PCO)	Potential Change	3/26/2021	\$0	
<b>Grand Total</b>						<b>\$26,240</b>	<b>\$ 5,690</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**  
May 25, 2021



**Cash Flow**

Collected	\$7,553,575
Expenses	\$8,304,061

**Project Completion**

Schedule	99%
Budget	72%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ 297,263	\$ 9,506,263	\$ 6,901,369
Butier	13647	\$ 812,288	\$ 290,156	\$ 1,102,444	\$ 808,498
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 274,174
		<b>\$ 10,511,772</b>	<b>\$ 587,419</b>	<b>\$ 11,099,191</b>	<b>\$7,984,041</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 297,263	\$ 531,547	35.9%
		<b>\$ 828,810</b>	<b>\$ 297,263</b>	<b>\$ 531,547</b>	<b>35.9%</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	Approved by Board of Directors	3/11/2021		\$ 40,144
16	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Approved by Board of Directors	3/11/2021		\$ 10,623
17	PCL	3539-000	Basin Leaking Crack Repair in East Secondaries	Approved by Board of Directors	3/11/2021		\$ 1,863
18	PCL	3539-000	Additional Spall Repair - Grit Channels	Approved by Board of Directors	3/11/2021		\$ 26,405
19	PCL	3539-000	Mixed Liquor Channel Remobilization	Approved by Board of Directors	3/11/2021		\$ 5,323
20	PCL	3539-000	Building 10 Roof Repairs	Approved by Board of Directors	3/11/2021		\$ 2,245
21	PCL	3539-000	Building 8 Gas Line Rerouting	Approved by Board of Directors	3/11/2021		\$ 717
<b>22</b>	<b>PCL</b>	<b>3539-000</b>	<b>Additional Spall Repair - East Secondary Basins</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 9,722</b>
<b>23</b>	<b>PCL</b>	<b>3539-000</b>	<b>Grit Chamber Conflicts</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 3,888</b>
<b>24</b>	<b>PCL</b>	<b>3539-000</b>	<b>1/2" Ferric Line Conflicts</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>5/13/2021</b>		<b>\$ 784</b>

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 Desclope	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 Desclope	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	



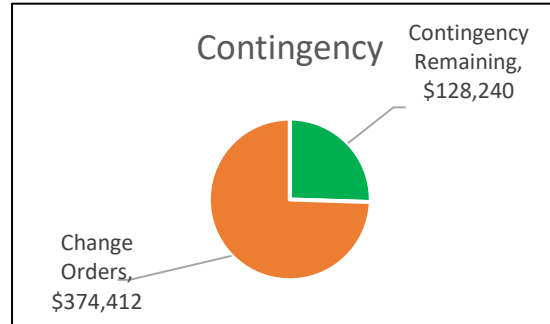
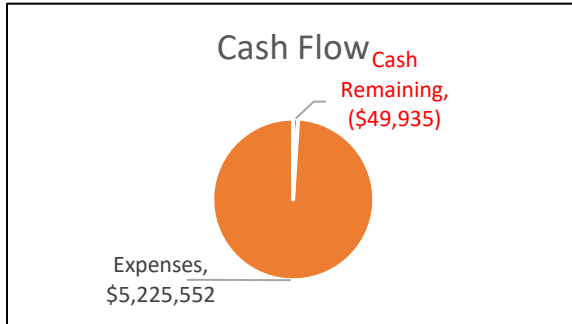
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 047	PCL	3539-000	West Telescoping Valve Improvements	Potential Change	(blank)	\$25,000	
PCO 048	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Potential Change	(blank)	\$20,000	
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	
PCO 052	PCL	3539-000	MCC 15 Unmarked Wire Chasing	Potential Change	3/26/2021	\$6,000	
PCO 053	PCL	3539-000	West Grit Channel Unforeseen Conflicts	Potential Change	3/26/2021	\$15,000	
Grand Total						-\$539,500	\$297,263

**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**

May 5, 2021



**Cash Flow**

Collected	\$5,175,617
Expenses	\$5,225,552

**Project Completion**

Schedule	100%
Budget	97%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	\$ 4,181,205	\$ 313,752	\$ 4,494,957	\$ 4,357,204
Dudek	14164	\$ 137,625	\$ 60,660	\$ 198,285	\$ 187,522
Lee & Ro	14006	\$ 123,310	\$ -	\$ 123,310	\$ 123,213
		<b>\$ 4,442,140</b>	<b>\$ 374,412</b>	<b>\$ 4,816,552</b>	<b>\$4,667,939</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	\$ 343,593	\$ 346,644	\$ (3,051)	100.9%
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>\$ 374,412</b>	<b>\$ 128,240</b>	<b>74.5%</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
2	Filanc	3701-000	Primary Deck Conduit Supports	Approved by Board of Directors	8/6/2020		\$ 9,611
3	Filanc	3701-000	Electrical Manhole 2 collar concrete/pavement repair	Approved by Board of Directors	8/6/2020		\$ 2,987
4	Filanc	3701-000	Primary Gallery Concrete Deck Repair	Approved by Board of Directors	8/6/2020		\$ 6,363
5	Filanc	3701-000	VFD Cabinet change from 316 to 304 Stainless Steel	Approved by Board of Directors	8/6/2020		\$ (2,100)
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		\$ 10,281
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
21	Filanc	3701-000	Headworks Conduits for Grit Augers	Approved by Board of Directors	5/6/2021		\$ 10,756
22	Filanc	3701-000	Light Fixtures at Sed Tank Stairs #1	Approved by Board of Directors	5/6/2021		\$ 997
23	Filanc	3701-000	Drain Pump Level Controls	Approved by Board of Directors	5/6/2021		\$ 1,630
24	Filanc	3701-000	MCC-C to DAF-2 Conduit Installation	Approved by Board of Directors	5/6/2021		\$ 6,783
25	Filanc	3701-000	ORT Feeder Cable Removal and Installation	Approved by Board of Directors	5/6/2021		\$ 12,265
26	Filanc	3701-000	Scum Pit Level Indicator	Approved by Board of Directors	5/6/2021		\$ 3,891
27	Filanc	3701-000	Extra Stairs at Tank 1	Approved by Board of Directors	5/6/2021		\$ 28,638
28	Filanc	3701-000	DAF Pressure Relief Safety Valve	Approved by Board of Directors	5/6/2021		\$ 5,707
29	Filanc	3701-000	DAF 1 & 3 Bucket Relay	Approved by Board of Directors	5/6/2021		\$ 1,919
<b>Grand Total</b>							<b>\$ 313,752</b>

# Agenda Item

# 5A

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** Board of Directors

**FROM:** Jason Manning, Director of Engineering

**SUBJECT:** Contract Amendment for the J.B. Latham Treatment Plant Package B Engineering Services during Construction [Project Committee 2]

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## Overview

The engineering services during construction (ESDC) for the J.B. Latham Treatment Plant (JBL) Package B Construction Project includes preparation of the conformed documents, attendance at progress meetings, response to requests for information, review of shop drawings, review change orders, coordination with SDG&E, start-up services and the preparation of record drawings. Currently approved change orders have extended the project to February 2022. We are still working through schedule changes for other change orders including the descoped items.

Carollo Engineers, the design engineering firm for the project, has submitted an amended ESDC proposal with a fee of \$227,617. The proposal includes a \$30,000 credit to SOCWA to satisfy Carollo's responsibility for the required design change in the telescoping valves. Table 1 shows the project allocation, and Table 2 shows the allocation by member agency for the ESDC Services.

Table 1 – Project Allocation

Project	Original Contract	Change Order No. 1	Total
PC 2, Task 3220-000, Facility Improvements Construction Liquids Area	\$417,574	\$109,256	\$526,830
PC 2, 3287-000 Facility Improvements Construction Solids Area	\$363,420	\$100,151	\$463,571
PC 2, 3231-000 Facility Improvements Construction Common Area	\$65,534	\$18,210	\$83,744
Total	\$846,528	\$227,617	\$1,074,145

Table 2 – Change Order No. 1 Allocation by Member Agency

Member Agency	PC2, Task 3222-000	PC2, Task 3287-000	PC2, Task 3231-000	Total
City of San Juan Capistrano	\$33,617	\$30,045	\$5,533	\$69,195
Moulton Niguel Water District	\$25,213	\$21,655	\$4,070	\$50,938
South Coast Water District	\$31,516	\$20,030	\$4,447	\$55,993
Santa Margarita Water District	\$18,910	\$28,421	\$4,160	\$51,491
Total	\$109,256	\$100,151	\$18,210	\$227,617

**Recommended Action:** The Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Carollo in the amount of \$227,617 for a total revised contract amount of \$1,074,145 for the engineering services for the J.B. Latham Package B Project.

# Agenda Item

# 5B

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** Board of Directors

**FROM:** Jason Manning, Director of Engineering

**SUBJECT:** Contract Amendment for the J.B. Latham Treatment Plant Package B  
Construction Management Services [Project Committee 2]

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## Overview

The scope for the construction management services includes inspection, document management, progress payment review, change order review, operations, and testing coordination. Currently approved change orders have extended the project to February 2022. We are still working through schedule changes for other change orders including the descope items. Therefore, Butier Engineers, the third-party Construction Manager for this project, has submitted the attached amended construction management services fee of \$290,156 for review to provide services through the end of the current calendar year.

Table 1 shows the project allocation, and Table 2 shows the allocation by member agency for the Construction Management Services. The project is within budget and within the approved contingency.

Table 1 – Project Allocation

Project	Original Contract	Change Order No. 1	Total
PC 2, Task 3220-000, Facility Improvements Construction Liquids Area	\$398,618	\$139,285	\$537,903
PC 2, 3287-000 Facility Improvements Construction Solids Area	\$434,550	\$127,669	\$562,219
PC 2, 3231-000 Facility Improvements Construction Common Area	\$62,559	\$23,202	\$85,761
<b>Total</b>	<b>\$895,727</b>	<b>\$290,156</b>	<b>\$1,185,883</b>



Table 2 – Change Order No. 1 Allocation by Member Agency

Member Agency	PC2, Task 3222-000	PC2, Task 3287-000	PC2, Task 3231-000	Total
City of San Juan Capistrano	\$42,857	\$38,301	\$7,050	\$88,208
Moulton Niguel Water District	\$32,143	\$27,604	\$5,185	\$64,932
South Coast Water District	\$40,178	\$25,534	\$5,667	\$71,379
Santa Margarita Water District	\$24,107	\$36,230	\$5,300	\$65,637
Total	\$139,285	\$127,669	\$23,202	\$290,156

**Recommended Action:** The Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Butier in the amount of \$290,156 for a total revised contract amount of \$1,185,883 for the construction management services for the JB Latham Package B Project.

# Agenda Item

# 5C

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** Board of Directors

**FROM:** Jason Manning, Director of Engineering

**SUBJECT:** J.B. Latham Treatment Plant Electrical System Evaluation Additional Design Services [Project Committee 2]

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## Overview

On October 3, 2019, the Board of Directors approved a contract for Hazen to provide condition assessments, evaluations, and design to upgrade the electrical system at the J.B. Latham Treatment Plant (JBL). During the detailed design process for the replacement of MCC-M as part of the design effort, SOCWA requested changes to the original project scope, which includes:

- Replacement of MCC-G, located in the Scum Pump Station
- Control improvements including monitoring of the scum pump and decant pump by the plant SCADA system
- Replacement of the lighting panel LP-K located in the Chlorine Area
- Improvements in the RAS Pump No. 1 Building
- Improvements in the Effluent Pump Station Electrical Room

The project scope changes will also impact the design schedule, which will include one additional submittal and updated milestones for the remainder of the design. The current contract was intended to end by the end of June 2021, the revised contract will extend to the end of August 2021. Hazen has submitted an additional design services proposal with a fee of \$24,390. Table 1 shows the project allocation and Table 2 shows the allocation by member agency.

Table 1 – Project Allocation

Project	Original Contract	Change Order No. 1	Total
PC 2, Task 3221-000, Electrical System Evaluation	\$199,546	\$24,390	\$223,936

Table 2 – Allocation by Member Agency

Member Agency	PC2, Task 3221-000
City of San Juan Capistrano	\$7,411
Moulton Niguel Water District	\$5,451
South Coast Water District	\$5,957
Santa Margarita Water District	\$5,571
Total	\$24,390

**Recommended Action:** The Engineering Committee recommends to the PC 2 Board to approve the contract amendment to Hazen and Sawyer in the amount of \$24,390 for a total revised contract amount of \$223,936 for the design services for the JB Latham Electrical System Study and Design Project.

# Agenda Item

# 5D

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** Board of Directors

**FROM:** Jason Manning, Director of Engineering

**SUBJECT:** Coastal Treatment Plant Aeration Diffuser Purchase [Project Committee 15]

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## Overview

During the April PC 15 Board Meeting, SOCWA Operations and Engineering brought up the need to purchase and install new diffusers for the Coastal Treatment Plant. The plant currently has Parkson Panels that are no longer supported by the manufacturer and replacement diffusers are needed to maintain operation of the biological process and maintain quality effluent for recycled water. Board members asked to bring a specific cost back to the Board.

In an effort to provide a more accurate cost for the new diffuser purchase, SOCWA engaged Hazen & Sawyer to review the previous 30% aeration design and the current Feasibility Study to provide an estimate of the number and layout of the diffusers. Hazen & Sawyer provided this information to the preferred diffuser manufacturer for this project, EDI, and the cost from EDI is presented in the attached cost estimate.

This proposal was reviewed in the May 13, 2021 Engineering Committee meeting.

## Fiscal Impact

Below is a summary of the quote which also includes the stainless-steel drop legs, PVC distribution piping, stainless-steel supports and anchors, and commissioning and startup services.

Manufacturer: EDI  
Number of Diffusers: 1,170  
Cost: \$250,490  
Delivery Date: 10-12 weeks after order confirmation

The diffuser purchase and final design is included in the upcoming fiscal year budget and delivery of the diffusers will occur in the programmed fiscal year.

35228L Aeration Blower System Upgrades  
FY 21/22 Budget: \$1,600,000

### **Schedule**

Below is the anticipated schedule for purchase and installation of the diffusers:

June 2021 – Purchase diffusers

June - August 2021 – Finalize design documents (Hazen & Sawyer)

September 2021 – Receive diffusers and take design to bid

November 2021 – Begin installation of the new diffusers

**Recommended Action:** Staff recommends to the PC 15 Board to approve the purchase of the EDI diffusers for \$250,490 for the Coastal Treatment Plant Aeration Blower System Upgrades Project.

# Agenda Item

# 6A

**Board of Directors Meeting**

**Meeting Date:** June 3, 2021

**TO:** Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Investment Policy for Public Funds Annual Review

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## Summary

At its December 7, 2017, Board of Directors meeting, the Board approved Resolution No. 2017-09 and repealed Resolution 2007-05 bringing the Investment Policy for Public Funds current.

As directed by the Board, the General Manager and Finance Controller are to review the policy annually and recommend any revisions necessary. In preparation for the 2021-2022 fiscal year, staff has completed the review and evaluation of the Investment Policy for Public Funds and find the policy may continue without revision.

**Recommended Action:** Staff recommends the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.


# **Investment Policy For Public Funds**

	<b>POLICY NUMBER 2017-XX</b>
<b>Agency Policy</b>	<b>Title: Investment Policy for Public Funds</b>
Revised: December 7, 2017	

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- 2. Objective**
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- 6. Authorized Financial Institutions**
- 7. Safekeeping and Custody**
- 8. Reporting Guidelines**
- 9. Policy Revisions**
- 10. Policy Approval and Adoption**



	<b>POLICY NUMBER 2017-XX</b>
<b>Agency Policy</b>	<b>Title: Investment Policy for Public Funds</b>
Revised: December 7, 2017	

**1. PURPOSE OF POLICY**

This statement is intended to provide guidelines to the Agency General Manager for the prudent investment of the South Orange County Wastewater Authority’s (“SOCWA”) available funds, and to outline policies for the safe and prudent management of SOCWA funds without sacrificing safety or liquidity. The Finance Committee will review this Policy annually, and if advisable, will recommend changes for approval of the Board of Directors.

**2. OBJECTIVE**

SOCWA’s cash management system is designed to accurately monitor and forecast expenditures and revenues. All funds will be invested with the intent of maximizing safety and liquidity.

**3. GENERAL POLICY**

SOCWA invests member agency funds deposited with SOCWA in accordance with the prudent investor standard, Government Code Section 53600.3, which states:


“When investing, reinvesting, purchasing, acquiring, exchanging, selling or managing public funds, a trustee shall act with care, skill, prudence and diligence under the circumstances then prevailing, including but not limited to the general economic conditions and the anticipated needs of the agency, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the agency. Within the limitations of this section and considering individual investments as part of an overall strategy, investments may be acquired as authorized by law.”

As long as the investment complies with the aforesaid standard and is allowable under current statutes of the State of California (Government Code Section 53600 et seq.), SOCWA has a range of investment opportunities.

Investments may be made in the following:

(See Attachment A-1)


The list of permitted investments under Attachment A-1 does not include all of those which are permitted under the California Government Code; rather this list includes the securities which are most appropriate to SOCWA. Specific limitations on these investments are specified.

	<b>POLICY NUMBER 2017-XX</b>
<b>Agency Policy</b>	<b>Title: Investment Policy for Public Funds</b>
Revised: December 7, 2017	

Criteria for selecting investments and order of priority are:

- a) **Safety.** The Safety and risk associated with an investment refer to the potential loss of principal, interest, or a combination of these amounts. SOCWA only operates in those investments that are considered very safe.
- b) **Liquidity.** This refers to the ability to “cash in” at any moment in time with a minimal chance of losing some portion of principal or interest. Liquidity is an important investment quality especially when the need for unexpected funds occurs.
- c) **Yield.** Yield is potential dollar earnings an investment can provide, and sometimes is described as the rate of return.
- d) **Safekeeping.** Securities purchased from brokers/dealers shall be held in third party safekeeping by that trust department of the local agency’s bank or other designated third party trust, in local agencies name and control whenever possible.
- e) **Investment objective.** The cash management system of SOCWA is designed to accurately monitor and forecast expenditures and revenues, thus insuring the investment of monies to the fullest extent possible. SOCWA attempts to obtain the highest interest yields possible as long as investments meet the criteria required for safety and liquidity.
- f) **Maximum Secured Investment.** SOCWA may invest in Certificates of Deposit up to a maximum amount of \$250,000 per institution. SOCWA will rely on the FDIC \$250,000 insured limit to obtain security on the invested funds and will request that interest earned be paid monthly, in order to reduce the risk of loss interest.
- g) **Should premature cancellation of an investment vehicle (under Attachment A-2) become necessary, the General Manager shall consult with either the Finance Committee, the Finance Committee Chairman, or the Board Chairman as time allows and determine the appropriate action to ensure the safety of SOCWA deposits. The SOCWA Finance Committee will be notified as soon as possible of the steps taken.**

All member agency funds, to be invested, will be held in the California State local Agency Investment Fund (LAIF) unless the General Manager is instructed by the Finance Committee to invest in the investment vehicles listed in Attachment A-2. Staff would then present proposals to the Finance Committee, outlining the specifics of any investments to be made that meet the requirements of this policy. Upon approval, from the Finance Committee, investments will be made as soon as funds can be transferred. Any changes to investments approved by the Finance Committee will be reported to the Board of Directors at the next meeting of the Board of Directors.

	<b>POLICY NUMBER 2017-XX</b>
<b>Agency Policy</b>	<b>Title: Investment Policy for Public Funds</b>
Revised: December 7, 2017	

4. DELEGATION OF AUTHORITY

Authority to manage SOCWA’s investment program is derived from the approval of Resolution No. 2017-08 Adopting Investment Policy for+ Public Funds. Management responsibility for the program is hereby delegated to the General Manager of SOCWA who, pursuant to the approved terms under this Policy, has established investment program procedures and span of control requirements for staff. No person may engage in an investment transaction except as provided under the terms of this policy.

Broker/Dealers will be avoided whenever possible, unless specifically authorized by the Finance Committee.

5. ETHICS AND CONFLICTS OF INTERESTS

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program, or which could impair their ability to make impartial investment decisions. Employees shall disclose to the General Manager any material financial interests in financial institutions that conduct business within the SOCWA jurisdiction, and they shall further disclose any personal financial/investment positions or interests related to the performance of the SOCWA’s portfolio. Employees and officers shall subordinate their personal investment transactions to those of SOCWA, particularly with regard to the time of purchases and sales. These requirements are in addition to other conflict of interest rules that may otherwise apply.

6. AUTHORIZED FINANCIAL INSTITUTIONS


No public deposits shall be made except in a qualified public depository as established by state law. No Certificate Deposit shall be placed with any institution unless such deposit is FDIC insured.

7. SAFEKEEPING AND CUSTODY

All security transactions entered into by the SOCWA shall be conducted on a delivery-versus payment (DVP) basis. A third-party custodian designated by the General Manager and evidenced by safekeeping receipt will hold securities.

8. REPORTING GUIDELINES

In accordance with Government Code 53646, the General Manager shall submit to the Board of Directors a monthly investment report. The report shall include a complete description of the portfolio including: the type of investments, the issuers, maturity dates, par values and the current market values of each component of the portfolio. The report will also include the source of the portfolio valuation (with the exception of LAIF). As specified in Government Code 53646(e), if all funds are placed in the State LAIF or FDIC-insured accounts, copies of the latest statements from such institutions may be provided in lieu of the foregoing report

	<b>POLICY NUMBER 2017-XX</b>
<b>Agency Policy</b>	<b>Title: Investment Policy for Public Funds</b>
Revised: December 7, 2017	

elements. The report must also include a certification that (1) all investment actions executed since the last report have been made in full compliance with this Policy, and (2) SOCWA will meet its expenditure obligations for the next six months, or provide an explanation as to why money monies shall or may not be available. The General Manager shall maintain a complete and timely record of all investment transactions.

9. POLICY REVISIONS

This Policy will be reviewed annually by the General Manager and the Finance Controller in consultation with the Agency’s legal counsel and the Finance Committee. Updates to the Attachments, A-1 and A-2 will occur whenever applicable federal, state or local regulations change or otherwise as the need arises. This Policy may only be revised by the Board of Directors.

10. POLICY APPROVAL AND ADOPTION

This Policy has been reviewed by the SOCWA Board of Director’s and adopted by Resolution 2017-08 on December 7, 2017.

**EXHIBIT A-1**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
INVESTMENT POLICY – November 2, 2017**

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Local Agency investment Fund (LAIF)	Permits a local agency to deposit funds with the State Treasurer for the purpose of investment in securities prescribed in Government Code Section 16430. (Government code Section 16429.1 et seq.)	None. Note: Current maximum deposit set by LAIF is \$40 million dollars.
Passbook Savings Account Demand Deposits	Savings in federally insured Banks and Thrifts insured by the FDIC. All funds exceeding \$250,000.00 at any time must be collateralized according to state statutes.	None.

**Exhibit A-2**  
**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**  
**INVESTMENT POLICY – November 2, 2017**

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Negotiable Certificate of Deposits	Permits a local agency to deposit funds in certificates of deposit in accordance with the requirements of Government Code 53601(i)	In compliance with Statute.
U.S. Treasury Notes	Permits a local agency to deposit funds in U.S. Treasury Notes in accordance with Government Code Section 53601(b)	In compliance with Statute.
Other Joint Powers Agency Investments	Permits a local agency to deposit funds with Other California Joint Powers Agency Investment programs in accordance with Government Code Section 53601(p)	In compliance with Statute.

**RESOLUTION NO. 2021-04**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
APPROVING EMPLOYEE SALARY RANGE SUMMARY AND EMPLOYEE JOB  
CLASSIFICATION SALARY SCHEDULE TO THE JULY 1, 2020 TO JUNE 30, 2023  
MEMORANDUM OF UNDERSTANDING BETWEEN THE SOUTH ORANGE COUNTY  
WASTEWATER AUTHORITY AND THE SOCWA EMPLOYEE ASSOCIATION**

**WHEREAS**, the employees represented by the South Orange County Wastewater Authority Employee Association (SEA) are a viable and important part of the SOCWA organization, and

**WHEREAS**, the SEA has met and conferred in good faith with the designated Authority representatives on salary adjustments commencing on July 1, 2021; and

**WHEREAS**, as a result of the meet and confer Exhibit "A" Salary Range Summary and Exhibit "B" Job Classification Salary Schedule to the Memorandum of Understanding (MOU) between SOCWA and the SEA have been presented to the Board for its approval.

**NOW, THEREFORE**, the Board of Directors of the South Orange County Wastewater Authority does hereby RESOLVE, DETERMINE AND ORDER as follows:

- Section 1. The General Manager or the Chairperson of the Board of Directors are authorized to execute Exhibit "A" and "B" on behalf of the Authority.
- Section 2. Salary adjustments will be made according to the Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association, Section IV Compensation.C2. Salary adjustment equal to Los Angeles-Long Beach-Anaheim CPI-U percentage change for the preceding 12 months ended in March, subject to a 2% minimum and 4% maximum. 7/1/2021 – 2.2% Salary Adjustment.
- Section 2. The Secretary of SOCWA shall certify the adoption of Resolution No. 2021-04 and shall maintain a certified copy thereof at the principal office of SOCWA.

ADOPTED, SIGNED AND APPROVED this 3rd day of June 2021.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

\_\_\_\_\_  
Matt Collings, Chairman

\_\_\_\_\_  
Betty Burnett, General Manager and Board Secretary

STATE OF CALIFORNIA     )  
  ) ss.  
COUNTY OF ORANGE     )

I, BETTY BURNETT, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (“SOCWA”), do hereby certify that the foregoing is a full, true and correct copy of **Resolution No. 2021-04** of said Board and that the same has not been amended or repealed.

Dated this 3rd day of **June 2021**.

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Betty Burnett, Board Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



# EXHIBITS

## A & B

**EXHIBIT "A"**

SOCWA  
EMPLOYEE HANDBOOK SALARY RANGE SUMMARY  
07/01/2021 - 06/30/2022

July 1, 2021	COLA @ 2.2%			1.022
Ranges	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary
33.0	26.79	34.19	\$4,643.60	\$5,926.27
33.5	27.46	35.02	\$4,759.73	\$6,070.13
34.0	28.12	35.92	\$4,874.13	\$6,226.13
34.5	28.82	36.82	\$4,995.47	\$6,382.13
35.0	29.54	37.69	\$5,120.27	\$6,532.93
35.5	30.27	38.63	\$5,246.80	\$6,695.87
36.0	31.00	39.58	\$5,373.33	\$6,860.53
36.5	31.78	40.55	\$5,508.53	\$7,028.67
37.0	32.54	41.55	\$5,640.27	\$7,202.00
37.5	33.37	42.35	\$5,784.13	\$7,340.67
38.0	34.19	43.64	\$5,926.27	\$7,564.27
38.5	35.02	44.73	\$6,070.13	\$7,753.20
39.0	35.92	45.83	\$6,226.13	\$7,943.87
39.5	36.82	46.99	\$6,382.13	\$8,144.93
40.0	37.69	48.07	\$6,532.93	\$8,332.13
40.5	38.63	49.31	\$6,695.87	\$8,547.07
41.0	39.58	50.51	\$6,860.53	\$8,755.07
41.5	40.55	51.77	\$7,028.67	\$8,973.47
42.0	41.55	53.05	\$7,202.00	\$9,195.33
42.5	42.60	54.36	\$7,384.00	\$9,422.40
43.0	43.64	55.69	\$7,564.27	\$9,652.93
43.5	44.73	57.08	\$7,753.20	\$9,893.87
44.0	45.83	58.47	\$7,943.87	\$10,134.80
44.5	47.00	59.94	\$8,146.67	\$10,389.60
45.0	48.07	61.40	\$8,332.13	\$10,642.67
45.5	49.31	62.92	\$8,547.07	\$10,906.13
46.0	50.51	64.47	\$8,755.07	\$11,174.80
46.5	51.77	66.09	\$8,973.47	\$11,455.60
47.0	53.05	67.72	\$9,195.33	\$11,738.13
47.5	54.36	69.37	\$9,422.40	\$12,024.13
48.0	55.69	71.09	\$9,652.93	\$12,322.27
48.5	57.08	72.85	\$9,893.87	\$12,627.33
49.0	58.47	74.64	\$10,134.80	\$12,937.60
49.5	59.94	76.51	\$10,389.60	\$13,261.73
50.0	61.40	78.37	\$10,642.67	\$13,584.13
50.5	62.92	80.34	\$10,906.13	\$13,925.60
51.0	64.47	82.27	\$11,174.80	\$14,260.13
51.5	66.08	84.33	\$11,453.87	\$14,617.20
52.0	67.72	86.40	\$11,738.13	\$14,976.00
52.5	69.37	88.55	\$12,024.13	\$15,348.67
53.0	71.07	90.71	\$12,318.80	\$15,723.07
53.5	72.88	92.99	\$12,632.53	\$16,118.27
54.0	74.63	95.26	\$12,935.87	\$16,511.73
54.5	76.50	97.61	\$13,260.00	\$16,919.07
55.0	78.37	100.01	\$13,584.13	\$17,335.07

**EXHIBIT "B"**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE  
7/1/2021 w/COLA of 2.2%**

<b>SEA Represented Classifications / Non-Exempt</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Operator Grade III	43	\$ 43.64	\$ 55.69	\$ 7,564.27	\$ 9,652.93	
Operator Grade II	41	\$ 39.58	\$ 50.51	\$ 6,860.53	\$ 8,755.07	
Operator Grade I	37	\$ 32.54	\$ 41.55	\$ 5,640.27	\$ 7,202.00	
Operator in Training	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 42.60	\$ 54.36	\$ 7,384.00	\$ 9,422.40	
Truck Driver/Maintenance Mechanic II	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Maintenance Mechanic II	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Maintenance Mechanic I	36	\$ 31.00	\$ 39.58	\$ 5,373.33	\$ 6,860.53	
O&M Inventory/Purchasing Specialist	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 48.07	\$ 61.40	\$ 8,332.13	\$ 10,642.67	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 42.60	\$ 54.36	\$ 7,384.00	\$ 9,422.40	
Electrical/Instrumentation Technician	42	\$ 41.55	\$ 53.05	\$ 7,202.00	\$ 9,195.33	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 47.00	\$ 59.94	\$ 8,146.67	\$ 10,389.60	
Laboratory Technician III	43.5	\$ 44.73	\$ 57.08	\$ 7,753.20	\$ 9,893.87	
Laboratory Technician II	41	\$ 39.58	\$ 50.51	\$ 6,860.53	\$ 8,755.07	
Laboratory Technician I	39	\$ 35.92	\$ 45.83	\$ 6,226.13	\$ 7,943.87	
Laboratory Aide/Sampler	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	

<b>Unrepresented Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Operations Engineering Associate	37	\$ 32.54	\$ 41.55	\$ 5,640.27	\$ 7,202.00	
Assistant Chief Operator	44	\$ 45.83	\$ 58.47	\$ 7,943.87	\$ 10,134.80	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 45.83	\$ 58.47	\$ 7,943.87	\$ 10,134.80	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 47.00	\$ 59.94	\$ 8,146.67	\$ 10,389.60	
Clerk of the Board						
Sr. Accountant	43	\$ 43.64	\$ 55.69	\$ 7,564.27	\$ 9,652.93	
Staff Accountant w/Payroll	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Accounts Payable Accountant w/PR Assistance	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	

<b>Professional Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Chief Operator	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
Information Technology Systems Administrator	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 55.69	\$ 71.09	\$ 9,652.93	\$ 12,322.27	
Environmental Compliance Safety Risk Manager	45.5	\$ 49.31	\$ 62.92	\$ 8,547.07	\$ 10,906.13	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
Associate Engineer	47.5	\$ 54.36	\$ 69.37	\$ 9,422.40	\$ 12,024.13	
<i>Administration Division</i>						
Procurement/Contracts Manager	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
Human Resource Administrator	46.5	\$ 51.77	\$ 66.09	\$ 8,973.47	\$ 11,455.60	

<b>Management Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Executive Management Division</i>						
General Manager		Set by the Board by Contract				\$ 19,552.00
Director of Operations	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Director of Engineering	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Director of Environmental Compliance	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Finance Controller	52	\$ 67.72	\$ 86.40	\$ 11,738.13	\$ 14,976.00	

**RESOLUTION NO. 2021-05**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
APPROVING NEW EMPLOYEE SALARY RANGE SUMMARY AND EMPLOYEE JOB  
CLASSIFICATION SALARY SCHEDULE TO THE SOCWA EMPLOYEE MANUAL**

**WHEREAS**, the employees of the South Orange County Wastewater Authority are a viable and important part of the SOCWA organization; and

**WHEREAS**, the SOCWA Board approved a resolution adopting the South Orange County Wastewater Authority Employee Manual ("Manual") on January 9, 2020. The Manual establishes salary adjustments on an annual basis and thereby requires the adjustment of Exhibit "A" Salary Schedule, Exhibit "B" Job Classification Salary Schedule and Exhibit "C" Organization Chart to the Manual for the purposes of maintaining a current salary schedule and job classification salary schedule; and

**WHEREAS**, the SOCWA now desires to approve a revised Exhibit "A", Exhibit "B" and Exhibit "C" to the Manual to memorialize the CPI-U percentage change for period July 1, 2021 to June 30, 2022 of 2.2%, the same being consistent with the terms of the Manual;

**NOW, THEREFORE**, the Board of Directors of the South Orange County Wastewater Authority does hereby **RESOLVE, DETERMINE AND ORDER** as follows:

**Section 1.**

The Manual provides that salary adjustments will be made according to Manual Section IV Compensation (C). Therefore, beginning July 1, 2021 for the period July 1, 2021 to June 30, 2022, the salary ranges in Exhibit "A" and salary schedules in Exhibit "B" have been increased 2.2% and Exhibit "C" Organization Chart has been updated.

**Section 2.**

The General Manager or the Chairperson of the Board of Directors are authorized to attach to the Manual for the period July 1, 2021 to June 30, 2022, the revised Exhibit "A", "B" and "C" attached hereto.

**Section 3.**

The Secretary of SOCWA shall certify the adoption of Resolution No. 2021-05 and shall maintain a certified copy thereof at the principal office of SOCWA.

ADOPTED, SIGNED AND APPROVED this 3rd day of June 2021.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

\_\_\_\_\_  
Matt Collings, Chairman

\_\_\_\_\_  
Betty Burnett, General Manager and Board Secretary

STATE OF CALIFORNIA    )  
  ) ss.  
COUNTY OF ORANGE     )

I, BETTY BURNETT, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (“SOCWA”), do hereby certify that the foregoing is a full, true and correct copy of **Resolution No. 2021-05** of said Board and that the same has not been amended or repealed.

Dated this **3rd** day of **June 2021**.

---

Betty Burnett, Board Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**RESOLUTION NO. 2021-05**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
APPROVING NEW EMPLOYEE SALARY RANGE SUMMARY AND EMPLOYEE JOB  
CLASSIFICATION SALARY SCHEDULE TO THE SOCWA EMPLOYEE MANUAL**

**WHEREAS**, the employees of the South Orange County Wastewater Authority are a viable and important part of the SOCWA organization; and

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**WHEREAS**, the SOCWA now desires to approve a revised Exhibit "A", Exhibit "B" and Exhibit "C" to the Manual to memorialize the CPI-U percentage change for period July 1, 2021 to June 30, 2022 of 2.2%, the same being consistent with the terms of the Manual;

**NOW, THEREFORE**, the Board of Directors of the South Orange County Wastewater Authority does hereby **RESOLVE, DETERMINE AND ORDER** as follows:

**Section 1.**

The Manual provides that salary adjustments will be made according to Manual Section IV Compensation (C). Therefore, beginning July 1, 2019 for the period July 1, 2021 to June 30, 2022, the salary ranges in Exhibit "A" and salary schedules in Exhibit "B" have been increased 2.2% and Exhibit "C" Organization Chart has been updated.

**Section 2.**

The General Manager or the Chairperson of the Board of Directors are authorized to attach to the Manual for the period July 1, 2021 to June 30, 2022, the revised Exhibit "A", "B" and "C" attached hereto.

**Section 3.**

The Secretary of SOCWA shall certify the adoption of Resolution No. 2021-05 and shall maintain a certified copy thereof at the principal office of SOCWA.

ADOPTED, SIGNED AND APPROVED this 3rd day of June 2021.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

\_\_\_\_\_  
Matt Collings, Chairman

\_\_\_\_\_  
Betty Burnett, General Manager and Board Secretary

STATE OF CALIFORNIA    )  
  ) ss.  
COUNTY OF ORANGE    )

I, BETTY BURNETT, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (“SOCWA”), do hereby certify that the foregoing is a full, true and correct copy of **Resolution No. 2021-05** of said Board and that the same has not been amended or repealed.

Dated this **3rd** day of **June 2021**.

---

Betty Burnett, Board Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

# EXHIBITS

A, B, & C



**EXHIBIT "A"**

SOCWA  
EMPLOYEE HANDBOOK SALARY RANGE SUMMARY  
07/01/2021 - 06/30/2022

July 1, 2021	COLA @ 2.2%		1.022	
<b>Ranges</b>	<b>Minimum Hourly Salary</b>	<b>Maximum Hourly Salary</b>	<b>Minimum Monthly Salary</b>	<b>Maximum Monthly Salary</b>
33.0	26.79	34.19	\$4,643.60	\$5,926.27
33.5	27.46	35.02	\$4,759.73	\$6,070.13
34.0	28.12	35.92	\$4,874.13	\$6,226.13
34.5	28.82	36.82	\$4,995.47	\$6,382.13
35.0	29.54	37.69	\$5,120.27	\$6,532.93
35.5	30.27	38.63	\$5,246.80	\$6,695.87
36.0	31.00	39.58	\$5,373.33	\$6,860.53
36.5	31.78	40.55	\$5,508.53	\$7,028.67
37.0	32.54	41.55	\$5,640.27	\$7,202.00
37.5	33.37	42.35	\$5,784.13	\$7,340.67
38.0	34.19	43.64	\$5,926.27	\$7,564.27
38.5	35.02	44.73	\$6,070.13	\$7,753.20
39.0	35.92	45.83	\$6,226.13	\$7,943.87
39.5	36.82	46.99	\$6,382.13	\$8,144.93
40.0	37.69	48.07	\$6,532.93	\$8,332.13
40.5	38.63	49.31	\$6,695.87	\$8,547.07
41.0	39.58	50.51	\$6,860.53	\$8,755.07
41.5	40.55	51.77	\$7,028.67	\$8,973.47
42.0	41.55	53.05	\$7,202.00	\$9,195.33
42.5	42.60	54.36	\$7,384.00	\$9,422.40
43.0	43.64	55.69	\$7,564.27	\$9,652.93
43.5	44.73	57.08	\$7,753.20	\$9,893.87
44.0	45.83	58.47	\$7,943.87	\$10,134.80
44.5	47.00	59.94	\$8,146.67	\$10,389.60
45.0	48.07	61.40	\$8,332.13	\$10,642.67
45.5	49.31	62.92	\$8,547.07	\$10,906.13
46.0	50.51	64.47	\$8,755.07	\$11,174.80
46.5	51.77	66.09	\$8,973.47	\$11,455.60
47.0	53.05	67.72	\$9,195.33	\$11,738.13
47.5	54.36	69.37	\$9,422.40	\$12,024.13
48.0	55.69	71.09	\$9,652.93	\$12,322.27
48.5	57.08	72.85	\$9,893.87	\$12,627.33
49.0	58.47	74.64	\$10,134.80	\$12,937.60
49.5	59.94	76.51	\$10,389.60	\$13,261.73
50.0	61.40	78.37	\$10,642.67	\$13,584.13
50.5	62.92	80.34	\$10,906.13	\$13,925.60
51.0	64.47	82.27	\$11,174.80	\$14,260.13
51.5	66.08	84.33	\$11,453.87	\$14,617.20
52.0	67.72	86.40	\$11,738.13	\$14,976.00
52.5	69.37	88.55	\$12,024.13	\$15,348.67
53.0	71.07	90.71	\$12,318.80	\$15,723.07
53.5	72.88	92.99	\$12,632.53	\$16,118.27
54.0	74.63	95.26	\$12,935.87	\$16,511.73
54.5	76.50	97.61	\$13,260.00	\$16,919.07
55.0	78.37	100.01	\$13,584.13	\$17,335.07

**EXHIBIT "B"**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE  
7/1/2021 w/COLA of 2.2%**

<b>SEA Represented Classifications / Non-Exempt</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Operator Grade III	43	\$ 43.64	\$ 55.69	\$ 7,564.27	\$ 9,652.93	
Operator Grade II	41	\$ 39.58	\$ 50.51	\$ 6,860.53	\$ 8,755.07	
Operator Grade I	37	\$ 32.54	\$ 41.55	\$ 5,640.27	\$ 7,202.00	
Operator in Training	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 42.60	\$ 54.36	\$ 7,384.00	\$ 9,422.40	
Truck Driver/Maintenance Mechanic II	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Maintenance Mechanic II	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Maintenance Mechanic I	36	\$ 31.00	\$ 39.58	\$ 5,373.33	\$ 6,860.53	
O&M Inventory/Purchasing Specialist	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 48.07	\$ 61.40	\$ 8,332.13	\$ 10,642.67	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 42.60	\$ 54.36	\$ 7,384.00	\$ 9,422.40	
Electrical/Instrumentation Technician	42	\$ 41.55	\$ 53.05	\$ 7,202.00	\$ 9,195.33	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 47.00	\$ 59.94	\$ 8,146.67	\$ 10,389.60	
Laboratory Technician III	43.5	\$ 44.73	\$ 57.08	\$ 7,753.20	\$ 9,893.87	
Laboratory Technician II	41	\$ 39.58	\$ 50.51	\$ 6,860.53	\$ 8,755.07	
Laboratory Technician I	39	\$ 35.92	\$ 45.83	\$ 6,226.13	\$ 7,943.87	
Laboratory Aide/Sampler	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	

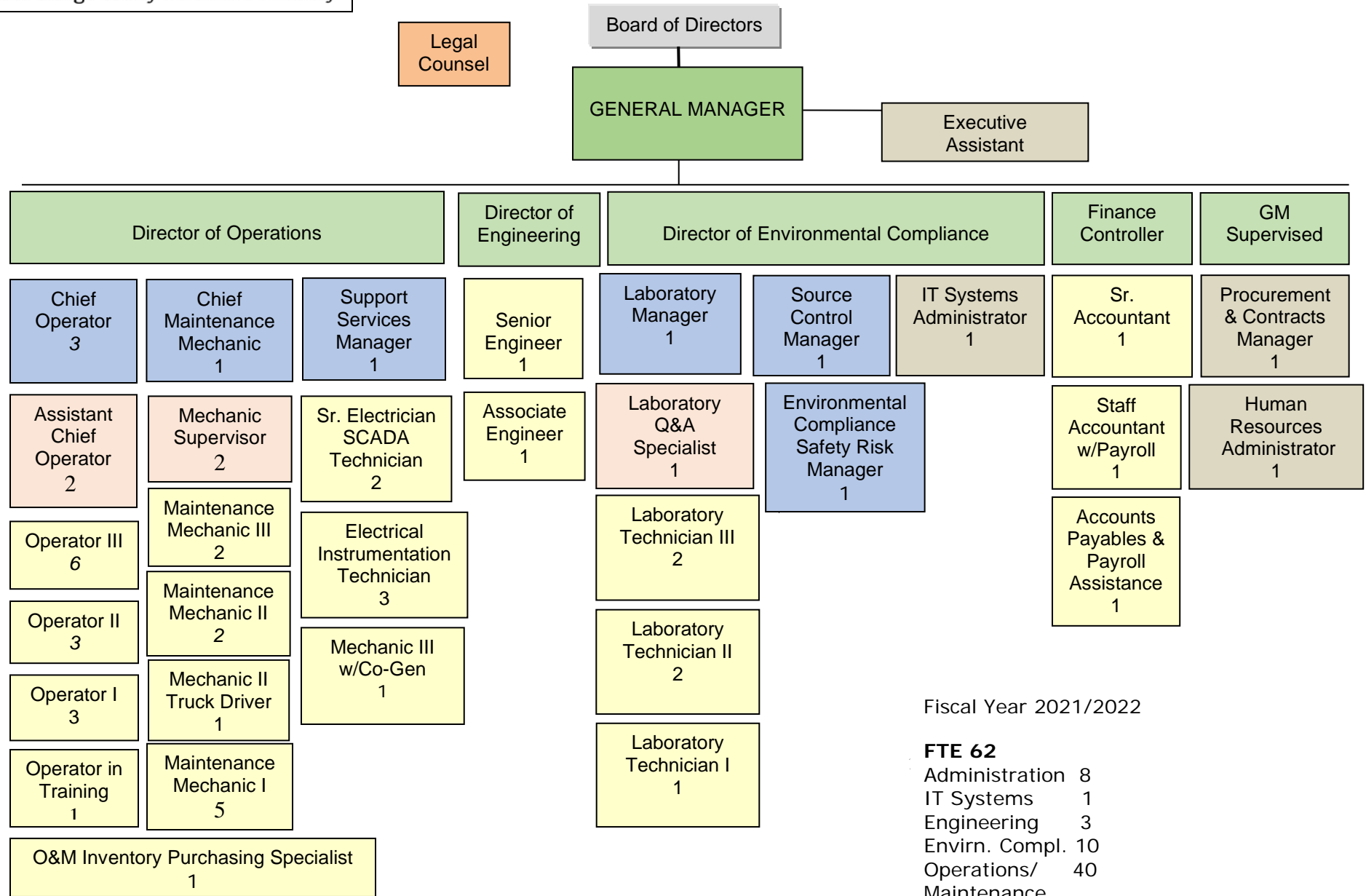
<b>Unrepresented Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Operations Engineering Associate	37	\$ 32.54	\$ 41.55	\$ 5,640.27	\$ 7,202.00	
Assistant Chief Operator	44	\$ 45.83	\$ 58.47	\$ 7,943.87	\$ 10,134.80	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 45.83	\$ 58.47	\$ 7,943.87	\$ 10,134.80	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 47.00	\$ 59.94	\$ 8,146.67	\$ 10,389.60	
Clerk of the Board						
Sr. Accountant	43	\$ 43.64	\$ 55.69	\$ 7,564.27	\$ 9,652.93	
Staff Accountant w/Payroll	38	\$ 34.19	\$ 43.64	\$ 5,926.27	\$ 7,564.27	
Accounts Payable Accountant w/PR Assistance	35	\$ 29.54	\$ 37.69	\$ 5,120.27	\$ 6,532.93	

<b>Professional Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Operations Division</i>						
Chief Operator	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
Information Technology Systems Administrator	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 55.69	\$ 71.09	\$ 9,652.93	\$ 12,322.27	
Environmental Compliance Safety Risk Manager	45.5	\$ 49.31	\$ 62.92	\$ 8,547.07	\$ 10,906.13	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 61.40	\$ 78.37	\$ 10,642.67	\$ 13,584.13	
Associate Engineer	47.5	\$ 54.36	\$ 69.37	\$ 9,422.40	\$ 12,024.13	
<i>Administration Division</i>						
Procurement/Contracts Manager	46	\$ 50.51	\$ 64.47	\$ 8,755.07	\$ 11,174.80	
Human Resource Administrator	46.5	\$ 51.77	\$ 66.09	\$ 8,973.47	\$ 11,455.60	

<b>Management Classifications</b>						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	
<i>Executive Management Division</i>						
General Manager		Set by the Board by Contract				\$ 19,552.00
Director of Operations	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Director of Engineering	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Director of Environmental Compliance	54	\$ 74.63	\$ 95.26	\$ 12,935.87	\$ 16,511.73	
Finance Controller	52	\$ 67.72	\$ 86.40	\$ 11,738.13	\$ 14,976.00	



EXHIBIT C



Fiscal Year 2021/2022

**FTE 62**

- Administration 8
- IT Systems 1
- Engineering 3
- Envirn. Compl. 10
- Operations/ 40
- Maintenance