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(REVISED) 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 September 2, 2021

ACTION The Board will be requested to approve subject Minutes as submitted.
 - B. Minutes of Executive Committee Meeting 12
 - Executive Committee Minutes August 30, 2021

ACTIONS 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.
 - C. Minutes of PC 23 Committee Meeting 13
 - PC 23 Committee Minutes August 23, 2021

ACTIONS The PC 23 Committee will be requested to approve subject Minutes as submitted; and the Board of Directors will be requested to receive and file subject Minutes.
 - D. Minutes of Finance Committee Meeting 15
 - Engineering Committee Minutes August 17, 2021

ACTION The Board of Directors will be requested to receive and file subject Minutes as submitted.

E. Financial Reports for the Month of July 202118

ACTION The Finance Committee recommends to the Board of Directors to ratify the July 2021 disbursements for the period from July 1, 2021, through July 31, 2021, totaling \$6,771,917, and to receive and file the July 2021 Financial Reports as submitted.

F. August 2021 Operations Reports.....34

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 August Operations Reports.

G. Capital Improvement Program Status Report74

ACTION Information Item

H. Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, and 15]81

ACTION The Engineering Committee recommends to the PC-2 Board of Directors to approve Olsson Construction Change Order 24 for \$67,839, Change Order 25 for \$4,958, Change Order 26 for \$8,444, Change Order 27 for \$15,470, and Change Order 28 for \$7,843 for a total of \$104,554 and a revised contract price of \$18,501,444 for the JBL Package B Project.

I. Second GFOA Award for Excellence in Financial Reporting for the Comprehensive Annual Financial Report for Fiscal Year ended June 30, 202098

ACTION The Board will be requested to receive and file the document as an information item.

5. ENGINEERING MATTERS

A. J.B. Latham Treatment Plant Package B Liquids Contingency [Project Committees 2]101

ACTION The Engineering Committee recommends to the PC 2 Board of Directors to approve the addition of \$300,000 of contingency to the J.B. Latham Package B Liquids Project (3220-000) for a total Liquids contingency of \$916,800 and to increase the project budget by \$300,000 to \$3,150,000 for the 21/22 FY Capital Budget.

B. Consequence of Failure Analysis for the Coastal Treatment Plant [Project Committees 2, 15, and 17].....104

ACTION The Engineering Committee recommends to the PC 15 Board of Directors to approve the award to Dudek for the Coastal Treatment Plant Consequence of Failure Analysis (45226L-000) for a total fee of \$49,970.

6. GENERAL MANAGER'S REPORTS

A. Approval of SOCWA Vendors for Purchasing by SOCWA Staff.....106

ACTION Board of Directors authorizes the General Manager to:

1. Utilize the listed vendors for the acquisition of supplies, parts, services, equipment, tools, PPE, safety items and other frequently utilized items where the same may be serial or like in nature.
2. As a general authorization, the General Manager may continue to operate and maintain SOCWA facilities and services and staff is allowed to seek ratification by delivering to the Board each month a list of requisitions for supplies, parts, services, equipment, tools, PPE, safety items, and other frequently utilized items for Board approval of the continuing use of the identified vendor.
3. Where necessary to continuing operations, staff may continue purchases and report at the next following regular Board meeting for vendor ratification or approval.

B. Adhoc Committee for Alternative Wastewater Delivery109

1. Update of Board Chair
2. GM update – Requests for Information to SOCWA staff

ACTION Board discussion and direction.

C. Utility Partnership Coordination for Science Based Policy Decisions110

ACTION Information Item; Comments and questions

D. Passage of AB 361 – Allowing for Virtual meetings – Findings and Approval to continue virtual meetings111

ACTION The Board will be requested to:

1. Reconsider the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
2. Declare that the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or that state and/or local officials continue to impose or recommend measures to promote social distancing;

3. Approve for the upcoming 30-day period, October 7, 2021 to November 4, 2021 regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with Public Notice and Public Participation requirements.
4. Direct Staff to place AB 361 findings on the November regular Board meeting agenda, so that the Board can at that point in time reconsider and make a determination regarding meetings for the next 30-day period.

E. General Manager’s Status Report(s)113

ACTION Information Item

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 pursuant to Government Code Section § 54957
 - Public Employee Performance Evaluation - Title: General Manager
- C. 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 this are present a unanimous vote.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
NOVEMBER 4, 2021

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

DRAFT

September 2, 2021

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on September 2, 2021, at 8:30 a.m. at 26880 Aliso Viejo Parkway, Aliso Viejo, California, and via Zoom. The following members of the Board of Directors were present in-person and via Zoom Meeting:

**DAN FERONS	Santa Margarita Water District	Director (in-person)	[arrived @ 8:44 a.m.]
*TONI ISEMAN	City of Laguna Beach	Director (Zoom)	[arrived @ 8:38 a.m.]
KATHRYN FRESHLEY	El Toro Water District	Director (in-person)	
MIKE DUNBAR	Emerald Bay Service District	Director (in-person)	
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director (in-person)	
KEVIN BURTON	Irvine Ranch Water District	Alternate Director (in-person)	
DAVE REBENSORF	City of San Clemente	Director (Zoom)	[arrived @ 8:39 a.m.]
SCOTT GOLDMAN	South Coast Water District	Director (in-person)	
HOWARD HART	City of San Juan Capistrano	Alternate Director (Zoom)	[arrived @ 8:36 a.m.]
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director (in-person)	
*DAVID SHISSLER	City of Laguna Beach	Alternate Director (in-person)	Due to intermittent connection to Zoom, Director Iseman exited at 8:53 a.m., and deferred to Alternate Director Shissler as representative of City of Laguna Beach.
**DON BUNTS	Santa Margarita Water District	Alternate Director (Zoom)	Alternate Director Bunts was in attendance for Roll Call representing Santa Margarita Water District.

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
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
BRAD NEUFELD	Varner & Brandt Law

1. CALL TO ORDER

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

2. PLEDGE OF ALLEGIANCE – Director Kathryn Freshley

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Agenda items 4E 4N, and 4O were pulled for further clarifications.

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Dunbar approved the remainder of the Consent Calendar Agenda items as follows:

(4A through 4D, and 4F through 4M)

- 4A. Minutes of Board Meeting August 5, 2021, approved
- 4B. Minutes of Finance Committee June 15, 2021, receive and file
- 4C1. Minutes of Engineering Committee May 13, 2021, receive and file
- 4C2. Minutes of Engineering Committee June 10, 2021, receive and file
- 4D. Minutes of Engineering Committee/PC 2 Committee July 13, 2021, receive and file
- 4F. Preliminary FY 2021-21 Cash Roll Forward as of June 30, 202, receive and file
- 4G. Actuarial Valuation Report on Retiree Health Program as of December 31, 2020, receive and file
- 4H. Approval of PC 23 Budget Adjustment for Legal Expenditures, Information Item
- 4I. PC 5 Budget Adjustment in the amount of \$24,000 for NPDES Permitting, approved
- 4J. July 2021 Operations Reports, receive and file
- 4K. Rockwell TechConnect Support Agreement Renewal (via OneSource Distributors, Inc.) \$51,411.21 [PC 2, 15, and 17], license renewal approved
- 4L. Capital Improvement Program Status Report, Information Item
- 4M. Capital Improvement Program Project Financial Status Report [PC 2 and 15], Change Order approvals:
 - PC 2 Olsson Construction Change Orders 22 and 23 for \$510,256 for the JBL Package B Project; and
 - PC-15 Filanc Change Orders 2 through 4 \$24,649 for the CTP Export Sludge Force Main Replacement Project

Motion to Approve Above Aye 9, Nay 0, Abstained 0, Absent 1
Consent Calendar carried:

Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Burton	Aye
Director Shissler	Aye
Director Bunts	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

4E. Preliminary Financial Reports for the Fiscal Year Ended June 30, 2021

Director Dopudja pulled agenda item 4E to check with legal counsel to weigh in regarding this item and any potential conflicts of interest.

Ms. Burnett, General Manager stated she could not verify at this moment what is in the disbursements.

Ms. Adriana Ochoa, general counsel, stated that out of an abundance of caution for prospective conflict of interest purposes, Director Dopudja can recuse himself from agenda item 4E of the Consent Calendar, but that it was likely unnecessary because this item is a receive and file item and not approval of any contract.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to receive and file the June 2021 disbursements for the period from June 1, 2021, through June 30, 2021, totaling \$2,157,842, and to receive and file the June 2021 Financial Reports as submitted.

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

- 4N. Coastal Treatment Plant Export Sludge Force Main Replacement Project Geotechnical Services During Construction Change Order [Project Committee 15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Shissler to approve the Ninyo & Moore change order in the amount of \$43,166 for a total revised contract amount of \$108,956 for the geotechnical services during construction for the Coastal Treatment Plant Export Sludge Force Main Replacement Project.

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

- 4O. Resolution No. 2021-06 Resolution of Commendation to Keith Bacon

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Ferons to adopt Resolution No. 2021-06 and authorize Chairman Collings to sign the Commendation on behalf of the Board of Directors of the South Orange County Wastewater Authority.

Motion carried: Aye 10, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
Director Burton Aye
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director Hart Aye
Director Rebensdorf Aye

5. GENERAL MANAGER’S REPORTS

- A. Small Capital JBL Digester Nos. 1 and 2 Manway Access Improvements General Manager Authorization [Project Committee 2]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Collings to establish a small capital project budget up to \$385,000 with a 10% contingency for a total budget of \$423,000 for Digester Nos. 1 and 2 Manway Access Improvements; and authorize the General Manager to award and execute contracts for the Digester Nos. 1 and 2 Manway Cutouts, Manway Frames and Covers Fabrication, Manway Installation and Grouting, and Digester Internal Coating Repairs.

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

- B. Board Workshop

1. Report of Ad Hoc Committee on Wastewater Alternatives

Ad Hoc Members: El Toro Water District
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District

Director Collings gave a PowerPoint presentation on the Evaluation of Wastewater Treatment Operational Structures attached herein.

This was an information item; no action was taken.

2. General Counsel Report – Update on JPA Revision Process

Ms. Adriana Ochoa of Procopio Law updated the Board on the current status of the revisions proposed to the JPA. She stated an All-Hands meeting will be scheduled in the near future for further discussion.

This was an information item; no action was taken.

3. IRWD Update on Withdrawal Request & Presentation

Mr. Burton gave an update of IRWD’s proposed actions to withdraw from SOCWA’s JPA. He shared IRWD’s proposed Draft Wastewater Capacity Agreement, Draft Withdrawal Agreement from South Orange County Wastewater Authority, and Term Sheet.

This was an information item; no action was taken.

4. SOCWA General Counsel Comments

No further comments were provided.

The Board convened to Closed Session at 11:31 a.m.
The Board reconvened to Open Session at 11:57 a.m.

6. CLOSED SESSION

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

There were no reportable actions out of Closed Session.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 11:57 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 September 2, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

Evaluation of Wastewater Treatment Operational Structures

Task Force Members:

El Toro Water District

Moulton Niguel Water District

Santa Margarita Water District

South Coast Water District

What are we looking to accomplish today?

- Background – How did we get here?
- What will the presentation cover?
- What are the next steps?
 - Request to SOCWA staff to work with task force
 - Provide regular updates to the SOCWA Board and Member Agencies
 - Bring back an evaluation of alternative options in early 2022



Why evaluate the alternative approaches now?

- Governing Agreements
 - 50-year old project agreements are expiring
 - Project agreements need to be extended/renegotiated
 - JPA agreement is currently up for discussion/review
- Member Agency changes impacting Organizational Structure
 - IRWD request to withdrawal
 - SJC annexation to SMWD
 - Varied needs moving forward

A brief history of wastewater treatment in South OC

- AWMA and SERRA were formed in the 1970s
- Purpose was to receive federal funding
 - Constructed Coastal, JB Latham, and Regional Treatment Plants in late 70s/early 80s
- AWMA assumed operations of Coastal and Regional in 1990s
- SOCRA was formed to support regional permitting for recycled water use
- In 2001, the three agencies were combined to form SOCWA to improve administrative efficiencies

What are potential operating structures?

- Option #1 – Maintain similar operating structure
 - Are there opportunities to increase efficiency?
- Option #2 – Transition operating requirements; Assets reside with Operating Agency
 - Similar to Baker WTP, JRWSS, Plant 3A
 - Project Agreement to define decision-making and operation
- Option #3– Transition operating requirements; Assets continue to reside with SOCWA:
 - Similar structure to previous AWMA
 - Joint Powers Authority would remain to define governance and operation
 - Will require operating agreement to define operating agency responsibility
 - Need to address alignment of ownership/cost and decision-making/risk

What is the anticipated process of the evaluation?

- Components would follow previous work product from task force presented to SOCWA Board
- Efforts would be led by interested parties
 - Working closely with SOCWA staff and task force members
 - Need to obtain data and information from SOCWA to develop evaluation
- Regular updates provided to the SOCWA Board
 - Opportunity for feedback or questions
- Potential for technical support by third parties, as identified
- Draft for discussion in early 2022
- Updated JPA and PC Agreements by June 2022



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

DRAFT

Executive Committee

August 30, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee Meeting was held on August 30, 2021 at 11:00 a.m. via teleconference and in person from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Executive Committee were present:

MATT COLLINGS	Moulton Niguel Water District	Director
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:

ADRIANA OCHOA	Procopio Law Firm
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1. Call Meeting to Order

Chairman Collings called the meeting to order at 11:04 a.m.

2. Public Comments

None.

3. CLOSED SESSION

A Closed Session Conference was held with Legal Counsel regarding – Public Employee Performance Evaluation – Title: General Manager pursuant to Government Code Section § 54957.

There were no reportable actions out of Closed Session.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 1:00 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 Executive Committee of August 30, 2021 and approved by the Executive Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

DRAFT

Project Committee No. 23

August 23, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 23 Meeting was held on August 23, 2021 at 1:00 p.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Project Committee 23 were present via Teams Meeting:

MIKE DUNBAR	Emerald Bay Service District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director

Staff Participation:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
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1. Call Meeting to Order

Chairman Dunbar called the meeting to order at 1:03 p.m.

2. Public Comments

None.

3. Open Session

a. 2020 Budget Adjustment for Legal and other NCI Expenses

ACTION TAKEN

Motion was made by Director Shissler and seconded by Director Dunbar to approve a budget adjustment in the amount of \$29,000 for legal and other NCI expenses for the close of Fiscal Year Ended June 30, 2021.

Motion carried:	Aye 2, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Shissler Aye

b. Intertie Agreement Update

Ms. Ochoa updated the PC 23 Members on the status of the draft agreement between PC 23 Committee and South Coast Water District proposed services agreement. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Dunbar adjourned the meeting at 1:55 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. 23 of August 23, 2021 and approved by the Project Committee No. 23 and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

Finance Committee

August 17, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on August 17, 2021 at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Teams Meeting:

DAN FERONS	Santa Margarita Water District	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
PAMELA ARENDS-KING	South Coast Water District	Alternate Director

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
TONI ISEMAN	City of Laguna Beach	Director

Staff Participation:

BETTY BURNETT	General Manager
AMBER BAYLOR	Director of Environmental Compliance
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
RONI YOUNG	Associate Engineer
JEANETTE COTINOLA	Contracts/Procurement Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
KATHRYN FRESHLEY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
SHERRY WANNINGER	Moulton Niguel Water District
GAVIN CURRAN	City of Laguna Beach
JASON HAYDEN	El Toro Water District

1. Call Meeting to Order

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

2. Public Comments

None

3. Approval of Minutes

- Finance Committee Meeting of June 15, 2021

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Arends-King to approve Finance Committee Meeting Minutes for June 15, 2021 as submitted.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 2
Director Ferons Aye
Director Iseman Absent
Director Farias Absent
Director Cafferty Aye
Director Collings Aye
Director Arends-King Aye

4. Preliminary Financial Reports for the Fiscal Year Ended June 30, 2021

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Collings to recommend to the Board of Directors to ratify the June 2021 disbursements for the period of June 1 through June 30, 2021, totaling \$2,157,842, and to receive and file the April 2021 Financial Reports as submitted.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 2
Director Ferons Aye
Director Iseman Absent
Director Farias Absent
Director Cafferty Aye
Director Collings Aye
Director Arends-King Aye

5. Preliminary FY 2020-21 Cash Roll Forward as of June 30, 2021

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to recommend to the Board of Directors to receive and file the Fiscal Year 2020-21 Cash Roll Forward as submitted.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 2
Director Ferons Aye
Director Iseman Absent
Director Farias Absent
Director Cafferty Aye
Director Collings Aye
Director Arends-King Aye

6. Actuarial Valuation Report on Retiree Health Program as of December 31, 2020

ACTION TAKEN

Motion was made by Director Arends-King and seconded by Director Collings to recommend to the Board of Directors to receive and file the report.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Ferons Aye
	Director Iseman Absent
	Director Farias Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

7. Other Post-Employment Benefits (OPEB) Trust Account Annual Review

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to recommend to the Board of Directors to receive and file the PARS report and request their agencies to review the Draft Investment Guidelines Document which revisions will be considered at the Finance Committee September meeting.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Ferons Aye
	Director Iseman Absent
	Director Farias Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

8. Draft GASB 68 Report for the Fiscal Year Ended 30, 2021

This was an information item and will be addressed prior to the Annual Financial Audit.

Adjournment

There being no further business, Chairman Ferons adjourned the meeting at 11:42 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 Finance Committee of August 17, 2021 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item

4.E.

Board of Directors Meeting

Meeting Date: October 7, 2021

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

Summary/Discussion

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

The reports included are as follows:

- a. Summary of Disbursements for July 2021 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- e. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

Fiscal impact

July 2021 cash disbursements were: \$ 6,771,917.

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

Recommended Action: The Finance Committee recommends to the Board of Directors to ratify the July 2021 disbursements for the period from July 1, 2021, through July 31, 2021, totaling \$6,771,917, and to receive and file the July 2021 Financial Reports as submitted.

Exhibit A

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

	<u>Actual¹</u>
General Fund	\$ (1,926,019)
PC 2 - Jay B. Latham Plant	(1,370,713)
PC 5 - San Juan Creek Ocean Outfall	(51,111)
PC 8 - Pretreatment Program	(11,669)
PC 12 SO - Water Reclamation Permits	(144,822)
PC 15 - Coastal Treatment Plant/AWT	(2,326,489)
PC 17 - Joint Regional Wastewater Reclamation	(899,510)
PC 21 - Effluent Transmission Main	(22,862)
PC 23 - North Coast Interceptor	(318)
PC 24 - Aliso Creek Ocean Outfall	(18,403)
Total	<u><u>\$ (6,771,917)</u></u>

¹ Disbursements increased \$4.6 million over the prior month, primarily due to the following:

CalPERS UAL payment of \$1.2 million for FY 21-22

PCL Construction, \$1.4 million

Olsson Construction, \$615 thousand

Filanc Construction, \$413 thousand.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of July 31, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$	1,271,925
L.A.I.F. FUNDS: (BEGINNING BAL.)		13,927,065
DEPOSITS, TRANSFERS & ADJUSTMENTS:		2,032,791
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION ¹		(6,771,917)
TOTAL CASH IN BANK	\$	10,459,864

¹ GL postings.

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

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

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

Betty Burnett
General Manager

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



PMIA/LAIF Performance Report as of 08/13/21



PMIA Average Monthly Effective Yields⁽¹⁾

Jul	0.221
Jun	0.262
May	0.315

Quarterly Performance Quarter Ended 06/30/21

LAIF Apportionment Rate ⁽²⁾ :	0.33
LAIF Earnings Ratio ⁽²⁾ :	0.0000897371743018
LAIF Fair Value Factor ⁽¹⁾ :	1.00008297
PMIA Daily ⁽¹⁾ :	0.22%
PMIA Quarter to Date ⁽¹⁾ :	0.30%
PMIA Average Life ⁽¹⁾ :	291

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 07/31/21 \$181.8 billion

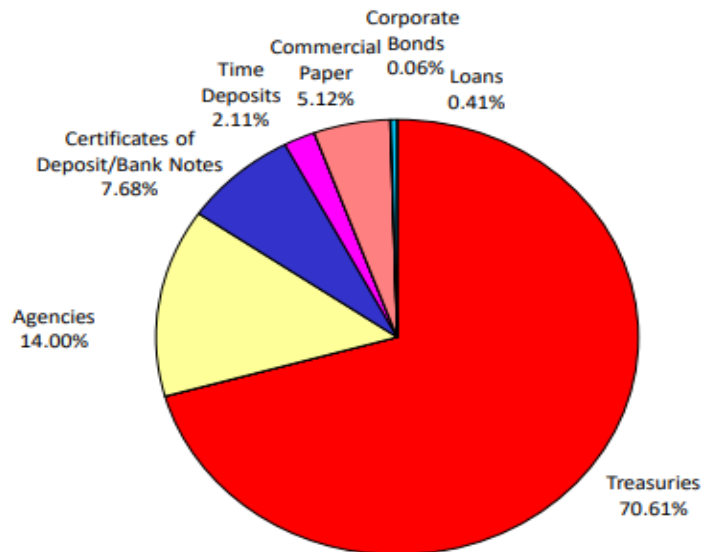


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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

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

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of July 31, 2021**

MVA	\$ 413,414	(A)
A/P Checking	1,420,184	(B)
Payroll Checking	26,901	(C)
State LAIF	8,599,365	(D)
Total Cash in Bank	\$ 10,459,864	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 10,461,464	
OPEB Trust	6,681,045	(F)
Total Cash and Investments	\$ 17,142,509	

Notes:

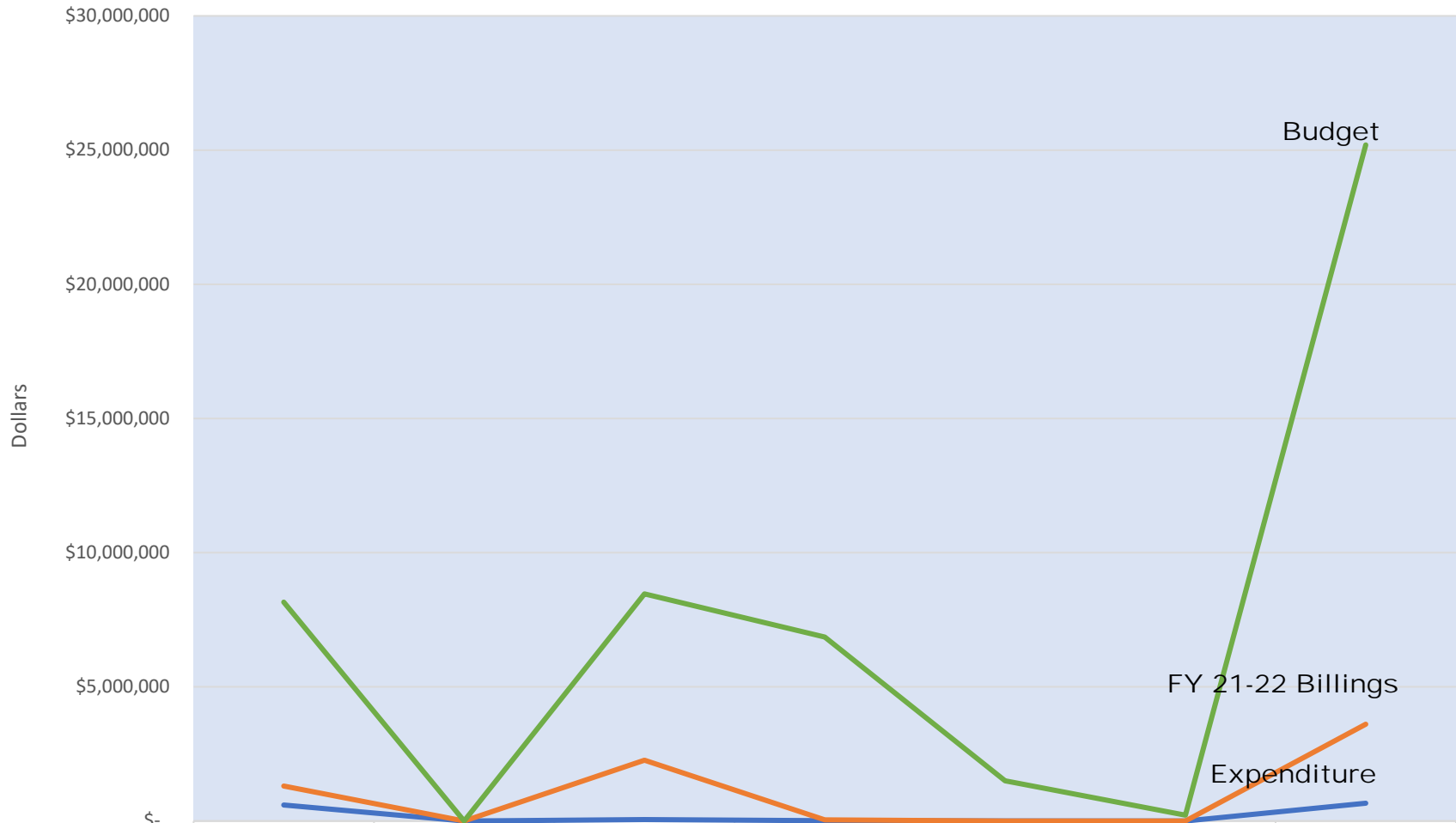
- (A) Interest bearing account; all cash receipts are deposited in this account and later moved to the LAIF account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account, as needed, from the LAIF account.
- (C) Payroll including payroll taxes and related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

**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended July 31, 2021
(in dollars)**

FY 2021-22 Budget vs. Actual Spending								
<u>Description</u>	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Open Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 8,153,937	\$ 591,461	\$ 7,562,476	7.3%	\$ 1,303,750	\$ -	\$ 1,303,750	45.4%
PC 5-San Juan Creek Outfall	-	-	-	-	-	-	-	-
PC 15-Coastal	8,464,653	53,677	8,410,976	0.6%	2,264,999	67,611	2,197,388	2.4%
PC 17-Regional	6,851,959	12,899	6,839,060	0.2%	38,249	4,050	34,199	-
PC 21 Effluent Transmission	1,502,000	4,979	1,497,021	0.3%	-	-	-	-
PC 24 Aliso Creek Outfall	220,000	-	220,000	0.0%	-	-	-	-
Total Large Capital	\$ 25,192,549	\$ 663,016	\$ 24,529,533	2.6%	\$ 3,606,998	\$ 71,661	\$ 3,535,337	18.4%
Non-Capital Engineering	405,871	-	405,871	0.0%	25,000	746	24,254	0.0%
Non-Capital Misc Engineering	254,500	12,057	242,443	4.7%	6,000	1,260	4,740	200.9%
Small Internal Capital	2,061,000	122,206	1,938,794	5.9%	515,250	19,103	496,147	23.7%
Total Capital	\$ 27,913,920	\$ 797,278	\$ 27,116,642	2.9%	\$ 4,153,248	\$ 92,770	\$ 4,060,478	19.2%

Large Capital Projects Fiscal Year '21-22 Budget vs. Year-to-Date Expenditures & Billings as of 7/31/2021

Exhibit D-1



	PC 2-JB Latham	PC 5-San Juan Creek Outfall	PC 15-Coastal	PC 17-Regional	PC 21 Effluent Transmission	PC 24 Aliso Creek Outfall	Total Large Capital
Spent - YTD 7/31/21	\$591,461	-	\$53,677	\$12,899	\$4,979.18	-	\$663,016
FY 21-22 Billings	\$1,303,750	-	\$2,264,999	\$38,249	-	-	\$3,606,998
Capital Budget 21-22	\$8,153,937	-	\$8,464,653	\$6,851,959	\$1,502,000	\$220,000	\$25,192,549

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
 For the Period Ended July 31, 2021
 (in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
5000-*	Regular Salaries-O&M	4,847,168	369,092	4,478,076	7.6%
5001-*	Overtime Salaries-O&M	107,256	9,249	98,007	8.6%
5306-*	Scheduled Holiday Work	91,000	12,011	78,989	13.2%
5315-*	Comp Time - O&M	15,980	3,419	12,561	21.4%
5401-*	Fringe Benefits IN to PC's & Depts.	2,511,460	191,278	2,320,182	7.6%
5700-*	Standby Pay	67,600	5,720	61,880	8.5%
	Total Payroll Costs	7,640,464	590,769	7,049,695	7.7%
Other Expenses					
5002-*	Electricity	1,170,780	111,259	1,059,521	9.5%
5003-*	Natural Gas	226,008	24,569	201,439	10.9%
5004-*	Potable & Reclaimed Water	85,000	4,730	80,270	5.6%
5005-*	Co-generation Power Credit	(686,000)	(93,122)	(592,878)	13.6%
5006-*	Chlorine/Sodium Hypochlorite	502,008	53,630	448,378	10.7%
5007-*	Polymer Products	747,004	108,707	638,297	14.6%
5008-*	Ferric Chloride	588,004	49,122	538,882	8.4%
5009-*	Odor Control Chemicals	107,016	11,185	95,831	10.5%
5010-*	Other Chemicals - Misc.	2,004	-	2,004	-
5011-*	Laboratory Services	65,196	948	64,248	1.5%
5012-*	Grit Hauling	120,000	6,415	113,585	5.3%
5013-*	Landscaping	219,008	10,627	208,381	4.9%
5015-*	Management Support Services	475,000	1,347	473,653	0.3%
5016-*	Audit - Environmental	1,304	-	1,304	-
5017-*	Legal Fees	48,612	-	48,612	-
5018-*	Public Notices/ Public Relations	6,000	-	6,000	-
5019-*	Contract Services Misc.	277,016	-	277,016	-
5021-*	Small Vehicle Expense	23,080	1,483	21,597	6.4%
5022-*	Miscellaneous Expense	16,012	-	16,012	-
5023-*	Office Supplies - All	46,008	1,272	44,736	2.8%
5024-*	Petroleum Products	34,008	-	34,008	-
5025-*	Uniforms	70,996	5,671	65,325	8.0%
5026-*	Small Vehicle Fuel	22,656	65	22,591	0.3%
5027-*	Insurance - Property/Liability	317,684	14,624	303,060	4.6%
5028-*	Small Tools & Supplies	80,000	3,883	76,117	4.9%
5030-*	Trash Disposal	8,500	308	8,192	3.6%
5031-*	Safety Program & Supplies	119,344	10,099	109,245	8.5%
5032-*	Equipment Rental	7,004	1,509	5,495	21.6%
5033-*	Recruitment	2,500	-	2,500	-
5034-*	Travel Expense/Tech. Conferences	29,928	-	29,928	-
5035-*	Training Expense	47,996	4,056	43,940	8.5%
5036-*	Laboratory Supplies	124,400	7,773	116,627	6.2%
5037-*	Office Equipment	25,992	699	25,293	2.7%
5038-*	Permits	489,996	18,743	471,253	3.8%
5039-*	Membership Dues/Fees	17,872	687	17,185	3.8%
5044-*	Offshore Monitoring	151,000	3,339	147,662	2.2%
5045-*	Offshore Biochemistry - 20B	23,024	-	23,024	-
5046-*	Effluent Chemistry	70,000	52	69,948	0.1%
5047-*	Access Road Expenses	45,000	-	45,000	-
5048-*	Storm Damage	21,000	-	21,000	-
5049-*	Biosolids Disposal	1,470,000	97,801	1,372,199	6.7%
5050-*	Contract Services Generators - 29A	28,008	-	28,008	-
5052-*	Janitorial Services	101,004	8,278	92,726	8.2%
5053-*	Contract Serv - Digester Cleaning - 29E	60,000	7,993	52,007	13.3%
5054-*	Diesel Truck Maint	42,000	354	41,646	0.8%
5055-*	Diesel Truck Fuel	11,500	-	11,500	-
5056-*	Maintenance Equip. & Facilities (Solids)	366,000	87,781	278,219	24.0%
5057-*	Maintenance Equip. & Facilities (Liquids)	651,996	38,715	613,281	5.9%
5058-*	Maintenance Equip. & Facilities (Common)	90,008	12,208	77,800	13.6%
5059-*	Maintenance Equip. & Facilities (Co-Gen)	738,996	32,203	706,793	4.4%
5060-*	Maintenance Equip. & Facilities (AWT)	88,000	-	88,000	-
5061-*	Mileage	3,608	149	3,459	4.1%
5068-*	MNWD Potable Water Supplies & Svcs.	28,000	7,304	20,696	26.1%
5074-*	Education Reimbursement	1,996	-	1,996	-
5076-*	SCADA Infrastructure	86,596	15,000	71,596	17.3%
5077-*	IT Direct	5,508	-	5,508	-
5105-*	Co-Generation Power Credit - Offset	685,992	93,122	592,870	13.6%
5303-*	Group Insurance Waiver	14,392	1,218	13,174	8.5%
5305-*	Medicare Tax Payments for Employees	2,160	170	1,990	7.9%
5309-*	Operating Leases	26,000	2,896	23,104	11.1%
5705-*	Monthly Car Allowance	35,396	3,480	31,916	9.8%
5799-*	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	0	100.0%
6500-*	IT Allocations in to PC's & Depts.	610,540	31,568	578,972	5.2%
	Total Other Expenses	10,881,660	789,923	10,091,737	7.3%
	Total O&M Expenses	18,522,124	1,380,691	17,141,433	7.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-***.**	Regular Salaries-O&M	1,585,228	133,748	1,451,480	8.4%
02-5001-***.**	Overtime Salaries-O&M	37,904	6,676	31,228	17.6%
02-5306-***.**	Scheduled Holiday Work	36,600	4,390	32,210	12.0%
02-5315-***.**	Comp Time - O&M	8,264	1,793	6,471	21.7%
02-5401-***.**	Fringe Benefits IN to PC's & Depts.	821,352	69,299	752,053	8.4%
02-5700-***.**	Standby Pay	25,096	1,885	23,211	7.5%
	Total Payroll Costs	<u>2,514,444</u>	<u>217,792</u>	<u>2,296,652</u>	<u>8.7%</u>
Other Expenses					
02-5002-***.**	Electricity	506,564	40,047	466,517	7.9%
02-5003-***.**	Natural Gas	132,160	10,306	121,854	7.8%
02-5004-***.**	Potable & Reclaimed Water	25,000	2,476	22,525	9.9%
02-5006-***.**	Chlorine/Sodium Hypochlorite	8,000	-	8,000	-
02-5007-***.**	Polymer Products	305,000	55,414	249,586	18.2%
02-5008-***.**	Ferric Chloride	200,000	14,576	185,424	7.3%
02-5009-***.**	Odor Control Chemicals	21,004	-	21,004	-
02-5010-***.**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011-***.**	Laboratory Services	19,000	228	18,772	1.2%
02-5012-***.**	Grit Hauling	55,000	2,989	52,011	5.4%
02-5013-***.**	Landscaping	77,004	4,039	72,965	5.2%
02-5015-***.**	Management Support Services	30,008	-	30,008	-
02-5017-***.**	Legal Fees	4,996	-	4,996	-
02-5019-***.**	Contract Services Misc.	70,636	-	70,636	-
02-5021-***.**	Small Vehicle Expense	11,000	50	10,950	0.5%
02-5022-***.**	Miscellaneous Expense	8,000	-	8,000	-
02-5023-***.**	Office Supplies - All	29,000	914	28,086	3.2%
02-5024-***.**	Petroleum Products	11,004	-	11,004	-
02-5025-***.**	Uniforms	33,996	1,912	32,084	5.6%
02-5026-***.**	Small Vehicle Fuel	10,004	65	9,939	0.7%
02-5027-***.**	Insurance - Property/Liability	108,384	5,257	103,127	4.9%
02-5028-***.**	Small Tools & Supplies	38,000	862	37,138	2.3%
02-5030-***.**	Trash Disposal	3,000	95	2,905	3.2%
02-5031-***.**	Safety Program & Supplies	41,000	4,152	36,848	10.1%
02-5032-***.**	Equipment Rental	3,000	-	3,000	-
02-5033-***.**	Recruitment	348	-	348	-
02-5034-***.**	Travel Expense/Tech. Conferences	9,012	-	9,012	-
02-5035-***.**	Training Expense	16,976	1,385	15,591	8.2%
02-5036-***.**	Laboratory Supplies	21,004	608	20,396	2.9%
02-5037-***.**	Office Equipment	13,000	61	12,939	0.5%
02-5038-***.**	Permits	13,496	17,773	(4,277)	131.7%
02-5039-***.**	Membership Dues/Fees	4,516	96	4,420	2.1%
02-5049-***.**	Biosolids Disposal	620,000	35,679	584,321	5.8%
02-5050-***.**	Contract Services Generators - 29A	10,004	-	10,004	-
02-5052-***.**	Janitorial Services	47,000	4,264	42,736	9.1%
02-5053-***.**	Contract Serv - Digester Cleaning - 29E	60,000	7,993	52,007	13.3%
02-5054-***.**	Diesel Truck Maint	22,000	15	21,985	0.1%
02-5055-***.**	Diesel Truck Fuel - 37B	2,996	-	2,996	-
02-5056-***.**	Maintenance Equip. & Facilities (Solids)	155,000	27,482	127,518	17.7%
02-5057-***.**	Maintenance Equip. & Facilities (Liquids)	260,000	6,839	253,161	2.6%
02-5058-***.**	Maintenance Equip. & Facilities (Common)	29,000	9,662	19,338	33.3%
02-5059-***.**	Maintenance Equip. & Facilities (Co-Gen)	277,120	21,037	256,083	7.6%
02-5061-***.**	Mileage	2,104	57	2,047	2.7%
02-5076-***.**	SCADA Infrastructure	28,960	5,000	23,960	17.3%
02-5077-***.**	IT Direct	2,620	-	2,620	-
02-5303-***.**	Group Insurance Waiver	3,596	305	3,291	8.5%
02-5309-***.**	Operating Leases	26,000	2,091	23,909	8.0%
02-5705-***.**	Monthly Car Allowance	22,804	1,929	20,875	8.5%
02-5799-***.**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	0	100.0%
02-6500-***.**	IT Allocations in to PC's & Depts.	199,812	10,331	189,481	5.2%
	Total Other Expenses	<u>3,585,128</u>	<u>281,991</u>	<u>3,303,137</u>	<u>7.9%</u>
	Total Expenses	<u>6,099,572</u>	<u>499,782</u>	<u>5,599,790</u>	<u>8.2%</u>

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000-***.**	Regular Salaries-O&M	146,556	10,664	135,892	7.3%
05-5001-***.**	Overtime Salaries-O&M	72	-	72	-
05-5306-***.**	Scheduled Holiday Work	416	44	372	10.5%
05-5401-***.**	Fringe Benefits IN to PC's & Depts.	75,928	5,526	70,402	7.3%
	Total Payroll Costs	222,972	16,234	206,738	7.3%
Other Expenses					
05-5015-***.**	Management Support Services	212,500	459	212,041	0.2%
05-5017-***.**	Legal Fees	2,008	-	2,008	-
05-5026-***.**	Small Vehicle Fuel	500	-	500	-
05-5027-***.**	Insurance - Property/Liability	9,668	433	9,235	4.5%
05-5031-***.**	Safety Supplies	1,052	-	1,052	-
05-5033-***.**	Recruitment	556	-	556	-
05-5034-***.**	Travel Expense/Tech. Conferences	1,512	-	1,512	-
05-5035-***.**	Training Expense	1,952	-	1,952	-
05-5036-***.**	Laboratory Supplies	35,000	3,302	31,698	9.4%
05-5038-***.**	Permits	228,968	-	228,968	-
05-5039-***.**	Membership Dues/Fees	216	-	216	-
05-5044-***.**	Offshore Monitoring	75,496	-	75,496	-
05-5045-***.**	Offshore Biochemistry - 20B	11,512	-	11,512	-
05-5046-***.**	Effluent Chemistry	35,000	26	34,974	0.1%
05-5058-***.**	Maintenance Equip. & Facilities (Common)	1,004	-	1,004	-
05-6500-***.**	IT Allocations in to PC's & Depts.	18,464	954	17,510	5.2%
	Total Other Expenses	635,408	5,174	630,234	0.8%
	Total Expenses	858,380	21,407	836,973	2.5%
08 - Pre Treatment					
Salary and Fringe					
08-5000-***.**	Regular Salaries-O&M	117,772	10,427	107,345	8.9%
08-5306-***.**	Scheduled Holiday Work	-	-	-	-
08-5315-***.**	Comp Time - Environment	-	-	-	-
08-5401-***.**	Fringe Benefits IN to PC's & Depts.	61,016	5,402	55,614	8.9%
	Total Payroll Costs	178,788	15,829	162,959	8.9%
Other Expenses					
08-5011-***.**	Laboratory Services	3,200	295	2,905	9.2%
08-5016-***.**	Audit - Environmental	1,304	-	1,304	-
08-5017-***.**	Legal Fees	2,596	-	2,596	-
08-5018-***.**	Public Notices/ Public Relations	6,000	-	6,000	-
08-5021-***.**	Small Vehicle Expense - 31A	1,076	-	1,076	-
08-5022-***.**	Miscellaneous Expense	2,008	-	2,008	-
08-5026-***.**	Small Vehicle Fuel - 37A	1,148	-	1,148	-
08-5027-***.**	Insurance - Property/Liability	3,024	135	2,889	4.5%
08-5028-***.**	Small Tools & Supplies	3,000	41	2,959	1.4%
08-5034-***.**	Travel Expense/Tech. Conferences	2,732	-	2,732	-
08-5035-***.**	Training Expense	-	150	(150)	-
08-5038-***.**	Permits and Fines	3,132	-	3,132	-
08-6500-***.**	IT Allocations in to PC's & Depts.	14,832	767	14,065	5.2%
	Total Other Expenses	44,052	1,388	42,664	3.2%
	Total Expenses	222,840	17,217	205,623	7.7%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-***.**	Regular Salaries-O&M	44,808	10,879	33,929	24.3%
12-5401-***.**	Fringe Benefits IN to PC's & Depts.	23,208	5,637	17,571	24.3%
	Total Payroll Costs	68,016	16,516	51,500	24.3%
Other Expenses					
12-5015-***.**	Management Support Services	-	-	-	-
12-5017-***.**	Legal Fees	2,000	-	2,000	-
12-5027-***.**	Insurance - Property/Liability	5,164	231	4,933	4.5%
12-5034-***.**	Travel Expense/Tech. Conferences	920	-	920	-
12-5038-***.**	Permits	12,044	-	12,044	-
12-5039-***.**	Membership Dues/Fees	68	-	68	-
12-6500-***.**	IT Allocations in to PC's & Depts.	5,640	292	5,348	5.2%
	Total Other Expenses	25,836	523	25,313	2.0%
	Total Expenses	93,852	17,039	76,813	18.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-***.**	Regular Salaries-O&M	1,083,504	62,063	1,021,441	5.7%
15-5001-***.**	Overtime Salaries-O&M	19,208	-	19,208	-
15-5306-***.**	Scheduled Holiday Work	15,584	2,533	13,051	16.3%
15-5315-***.**	Comp Time - O&M	2,000	-	2,000	-
15-5401-***.**	Fringe Benefits IN to PC's & Depts.	561,396	33,060	528,336	5.9%
15-5700-***.**	Standby Pay	16,504	130	16,374	0.8%
	Total Payroll Costs	1,698,196	97,786	1,600,410	5.8%
Other Expenses					
15-5002-***.**	Electricity	202,348	17,429	184,919	8.6%
15-5003-***.**	Natural Gas	2,872	35	2,837	1.2%
15-5004-***.**	Potable & Reclaimed Water	25,000	1,965	23,035	7.9%
15-5006-***.**	Chlorine/Sodium Hypochlorite	94,004	5,123	88,881	5.4%
15-5007-***.**	Polymer Products	1,004	-	1,004	-
15-5008-***.**	Ferric Chloride	58,000	5,548	52,452	9.6%
15-5009-***.**	Odor Control Chemicals	51,004	4,021	46,983	7.9%
15-5011-***.**	Laboratory Services	20,000	80	19,920	0.4%
15-5012-***.**	Grit Hauling	23,000	1,662	21,338	7.2%
15-5013-***.**	Landscaping	57,000	-	57,000	-
15-5015-***.**	Management Support Services	10,000	-	10,000	-
15-5017-***.**	Legal Fees	30,000	-	30,000	-
15-5019-***.**	Contract Services Misc.	91,732	-	91,732	-
15-5021-***.**	Small Vehicle Expense	4,004	813	3,191	20.3%
15-5022-***.**	Miscellaneous Expense	1,000	-	1,000	-
15-5023-***.**	Office Supplies - All	4,004	58	3,946	1.5%
15-5024-***.**	Petroleum Products	3,000	-	3,000	-
15-5025-***.**	Uniforms	9,000	705	8,295	7.8%
15-5026-***.**	Small Vehicle Fuel	2,000	-	2,000	-
15-5027-***.**	Insurance - Property/Liability	47,112	2,108	45,004	4.5%
15-5028-***.**	Small Tools & Supplies	9,000	-	9,000	-
15-5030-***.**	Trash Disposal	2,996	145	2,851	4.8%
15-5031-***.**	Safety Supplies	35,000	3,111	31,889	8.9%
15-5032-***.**	Equipment Rental	1,000	-	1,000	-
15-5033-***.**	Recruitment	312	-	312	-
15-5034-***.**	Travel Expense/Tech. Conferences	5,244	-	5,244	-
15-5035-***.**	Training Expense	11,632	1,260	10,372	10.8%
15-5036-***.**	Laboratory Supplies	14,000	223	13,777	1.6%
15-5037-***.**	Office Equipment	2,996	61	2,935	2.0%
15-5038-***.**	Permits	4,820	481	4,339	10.0%
15-5039-***.**	Membership Dues/Fees	4,960	298	4,662	6.0%
15-5047-***.**	Access Road Expenses	45,000	-	45,000	-
15-5048-***.**	Storm Damage	21,000	-	21,000	-
15-5050-***.**	Contract Services Generators - 29A	5,000	-	5,000	-
15-5052-***.**	Janitorial Services	12,004	1,033	10,971	8.6%
15-5054-***.**	Diesel Truck Maint - 31B	1,000	-	1,000	-
15-5055-***.**	Diesel Truck Fuel - 37B	504	-	504	-
15-5057-***.**	Maintenance Equip. & Facilities (Liquids)	149,996	12,740	137,256	8.5%
15-5058-***.**	Maintenance Equip. & Facilities (Common)	23,000	545	22,455	0.02
15-5060-***.**	Maintenance Equip. & Facilities (AWT)	38,000	-	38,000	-
15-5061-***.**	Mileage	500	-	500	-
15-5076-***.**	SCADA Infrastructure	28,952	5,000	23,952	17.3%
15-5077-***.**	IT Direct	264	-	264	-
15-5303-***.**	Group Insurance Waiver	3,600	305	3,295	8.5%
15-5305-***.**	Medicare Tax Payments for Employees	2,160	170	1,990	7.9%
15-5705-***.**	Monthly Car Allowance	4,196	355	3,841	8.5%
15-6500-***.**	IT Allocations in to PC's & Depts.	136,476	7,057	129,419	5.2%
	Total Other Expenses	1,299,696	72,332	1,227,364	5.6%
	Total Expenses	2,997,892	170,118	2,827,774	5.7%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

	FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended	
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000-***.**	Regular Salaries-O&M	1,718,916	130,087	1,588,829	7.6%
17-5001-***.**	Overtime Salaries-O&M	49,452	4,302	45,150	8.7%
17-5306-***.**	Scheduled Holiday Work	38,136	5,000	33,136	13.1%
17-5315-***.**	Comp Time - O&M	5,716	1,640	4,076	28.7%
17-5401-***.**	Fringe Benefits IN to PC's & Depts.	890,632	67,402	823,230	7.6%
17-5700-***.**	Standby Pay	26,000	3,705	22,295	14.3%
	Total Payroll Costs	2,728,852	212,136	2,516,716	7.8%
Other Expenses					
17-5002-***.**	Electricity	461,868	53,783	408,085	11.6%
17-5003-***.**	Natural Gas	90,976	14,229	76,747	15.6%
17-5004-***.**	Potable & Reclaimed Water	35,000	290	34,710	0.8%
17-5005-***.**	Co-generation Power Credit	(686,000)	(93,122)	(592,878)	13.6%
17-5006-***.**	Chlorine/Sodium Hypochlorite	400,004	48,507	351,497	12.1%
17-5007-***.**	Polymer Products	441,000	53,293	387,707	12.1%
17-5008-***.**	Ferric Chloride	330,004	28,998	301,006	8.8%
17-5009-***.**	Odor Control Chemicals	35,008	7,164	27,844	20.5%
17-5010-***.**	Other Chemicals - Misc.	1,004	-	1,004	-
17-5011-***.**	Laboratory Services	22,996	345	22,651	1.5%
17-5012-***.**	Grit Hauling - 21A	42,000	1,764	40,236	4.2%
17-5013-***.**	Landscaping	85,004	6,587	78,417	7.7%
17-5015-***.**	Management Support Services	9,996	-	9,996	-
17-5017-***.**	Legal Fees	5,004	-	5,004	-
17-5019-***.**	Contract Services Misc.	96,312	-	96,312	-
17-5021-***.**	Small Vehicle Expense	7,000	620	6,380	8.9%
17-5022-***.**	Miscellaneous Expense	5,004	-	5,004	-
17-5023-***.**	Office Supplies - All	13,004	300	12,704	2.3%
17-5024-***.**	Petroleum Products	20,004	-	20,004	-
17-5025-***.**	Uniforms	28,000	3,054	24,946	10.9%
17-5026-***.**	Small Vehicle Fuel	9,004	-	9,004	-
17-5027-***.**	Insurance - Property/Liability	135,628	6,070	129,558	4.5%
17-5028-***.**	Small Tools & Supplies	30,000	2,980	27,020	9.9%
17-5030-***.**	Trash Disposal	2,504	67	2,437	2.7%
17-5031-***.**	Safety Supplies	41,248	2,837	38,411	6.9%
17-5032-***.**	Equipment Rental	3,004	1,509	1,495	50.2%
17-5033-***.**	Recruitment	728	-	728	-
17-5034-***.**	Travel Expense/Tech. Conferences	8,996	-	8,996	-
17-5035-***.**	Training Expense	15,480	1,260	14,220	8.1%
17-5036-***.**	Laboratory Supplies	24,392	339	24,053	1.4%
17-5037-***.**	Office Equipment	9,996	577	9,419	5.8%
17-5038-***.**	Permits	10,612	488	10,124	4.6%
17-5039-***.**	Membership Dues/Fees	7,892	293	7,599	3.7%
17-5049-***.**	Biosolids Disposal	850,000	62,123	787,877	7.3%
17-5050-***.**	Contract Services Generators - 29A	13,004	-	13,004	-
17-5052-***.**	Janitorial Services	42,000	2,981	39,019	7.1%
17-5054-***.**	Diesel Truck Maint	19,000	339	18,661	1.8%
17-5055-***.**	Diesel Truck Fuel	8,000	-	8,000	-
17-5056-***.**	Maintenance Equip. & Facilities (Solids)	211,000	60,299	150,701	28.6%
17-5057-***.**	Maintenance Equip. & Facilities (Liquids)	242,000	19,136	222,864	7.9%
17-5058-***.**	Maintenance Equip. & Facilities (Common)	36,000	2,001	33,999	5.6%
17-5059-***.**	Maintenance Equip. & Facilities (Co-Gen)	461,876	11,166	450,710	2.4%
17-5060-***.**	Maintenance Equip. & Facilities (AWT) 41-E	50,000	-	50,000	-
17-5061-***.**	Mileage	1,004	92	913	9.1%
17-5068-***.**	MNWD Potable Water Supplies & Svcs.	28,000	7,304	20,696	26.1%
17-5074-***.**	Education Reimbursement	1,996	-	1,996	-
17-5076-***.**	SCADA Infrastructure	28,684	5,000	23,684	17.4%
17-5077-***.**	IT Direct	2,624	-	2,624	-
17-5105-***.**	Co-Generation Power Credit - Offset	685,992	93,122	592,870	13.6%
17-5303-***.**	Group Insurance Waiver	7,196	609	6,587	8.5%
17-5309-***.**	Operating Leases	-	805	(805)	-
17-5705-***.**	Monthly Car Allowance	8,396	1,195	7,201	14.2%
17-6500-***.**	IT Allocations in to PC's & Depts.	216,520	11,195	205,325	5.2%
	Total Other Expenses	4,655,964	419,600	4,236,364	9.0%
	Total Expenses	7,384,816	631,736	6,753,080	8.6%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

	FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended	
21 - Effluent Transmission Main					
Salary and Fringe					
21-5000-***.**	Regular Salaries-O&M	1,088	-	1,088	-
21-5401-***.**	Fringe Benefits IN to PC's & Depts.	564	-	564	-
	Total Payroll Costs	1,652	-	1,652	-
Other Expenses					
21-5019-***.**	Contract Services Misc.	18,336	-	18,336	-
21-5027-***.**	Insurance - Property/Liability	-	-	-	-
	Total Other Expenses	18,336	-	18,336	-
	Total Expenses	19,988	-	19,988	-
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-***.**	Regular Salaries-O&M	149,296	9,481	139,815	6.4%
24-5001-***.**	Overtime Salaries-O&M	620	-	620	-
24-5306-***.**	Scheduled Holiday Work	264	44	220	16.6%
24-5401-***.**	Fringe Benefits IN to PC's & Depts.	77,364	4,951	72,413	6.4%
	Total Payroll Costs	227,544	14,476	213,068	6.4%
Other Expenses					
24-5015-***.**	Management Support Services	212,496	888	211,608	0.4%
24-5017-***.**	Legal Fees	2,008	-	2,008	-
24-5027-***.**	Insurance - Property/Liability	8,704	390	8,314	4.5%
24-5031-***.**	Safety Supplies	1,044	-	1,044	-
24-5033-***.**	Recruitment	556	-	556	-
24-5034-***.**	Travel Expense/Tech. Conferences	1,512	-	1,512	-
24-5035-***.**	Training Expense	1,956	-	1,956	-
24-5036-***.**	Laboratory Supplies	30,004	3,302	26,702	11.0%
24-5038-***.**	Permits	216,924	-	216,924	-
24-5039-***.**	Membership Dues/Fees	220	-	220	-
24-5044-***.**	Offshore Monitoring	75,504	3,339	72,166	4.4%
24-5045-***.**	Offshore Biochemistry - 20B	11,512	-	11,512	-
24-5046-***.**	Effluent Chemistry	35,000	26	34,974	0.1%
24-5058-***.**	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	-
24-6500-***.**	IT Allocations in to PC's & Depts.	18,796	972	17,824	5.2%
	Total Other Expenses	617,240	8,916	608,324	1.4%
	Total Expenses	844,784	23,392	821,392	2.8%
	Total O&M Expenses	18,522,124	1,380,691	17,141,433	7.5%

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

For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	175,927	11,706	164,221	6.7%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	91,154	6,065	85,089	6.7%
	Total Payroll Costs	267,081	17,772	249,310	6.7%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	-	3,184	-
01-5023-03-00-00	Office Supplies - All	208	-	208	-
01-5031-03-00-00	Safety Supplies	306	-	306	-
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,439	-	6,439	-
01-5035-03-00-00	Training Expense	2,244	-	2,244	-
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	-	1,377	-
01-5061-03-00-00	Mileage	510	-	510	-
01-5309-03-00-00	Operating Leases	9,300	-	9,300	-
01-5705-03-00-00	Monthly Car Allowance	4,200	355	3,845	8.5%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,293	2,834	51,459	5.2%
	Total Other Expenses	82,781	3,190	79,591	3.9%
	Total Engineering Expenses	349,863	20,962	328,901	6.0%

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

For the Period Ended July 31, 2021

(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT	998,424	57,399	941,025	5.7%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	-	10,000	-
01-6315-04-00-00	Comp Time - Admin	5,000	129	4,871	2.6%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	517,316	29,740	487,576	5.7%
	Total Payroll Costs	1,530,740	87,268	1,443,472	5.7%
Other Expenses					
01-6018-04-00-00	Public Notices/Public Relations	3,270	-	3,270	-
01-6101-04-00-00	HR Recruitment & Employee Relations	24,350	1,379	22,971	5.7%
01-6102-04-00-00	Subscriptions	2,081	1,261	820	60.6%
01-6103-04-00-00	Contract Labor	50,000	315	49,685	0.6%
01-6200-04-00-00	Management Support Services	90,000	-	90,000	-
01-6201-04-00-00	Audit	46,000	12,500	33,500	27.2%
01-6202-04-00-00	Legal	220,000	9,110	210,890	4.1%
01-6204-04-00-00	Postage	1,500	18	1,482	1.2%
01-6223-04-00-00	Office Supplies - Admin	4,500	787	3,713	17.5%
01-6224-04-00-00	Office Equipment Admin or IT	1,200	221	979	18.4%
01-6234-04-00-00	Memberships & Trainings	88,000	3,488	84,512	4.0%
01-6239-04-00-00	Travel & Conference	11,000	-	11,000	-
01-6241-04-00-00	Education Reimbursement	1,500	-	1,500	-
01-6310-04-00-00	Miscellaneous	18,000	1,296	16,704	7.2%
01-6311-04-00-00	Mileage	1,236	-	1,236	-
01-6317-04-00-00	Contract Services Misc	5,722	-	5,722	-
01-6500-04-00-00	IT Allocations in to PC's & Depts.	125,761	6,502	119,258	5.2%
01-6601-04-00-00	Shipping/Freight	3,815	1,237	2,578	32.4%
01-6705-04-00-00	Monthly Car Allowance	12,000	1,015	10,985	8.5%
	Total Other Expenses	709,934	39,130	670,804	5.5%
	Total Admin Expenses	2,240,674	126,398	2,114,276	5.6%

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
 For the Period Ended July 31, 2021
 (in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	100,076	5,689	94,387	5.7%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	51,852	2,948	48,904	5.7%
	Total Salary & Fringe	151,928	8,637	143,291	5.7%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	200	800	20.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	-
01-6224-05-00-00	Office Equipment Admin or IT	600	-	600	-
01-6234-05-00-00	Memberships & Trainings	2,750	-	2,750	-
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	-
01-6300-05-00-00	Software Maintenance Agreements	41,026	860	40,166	2.1%
01-6301-05-00-00	Hardware Maintenance Agreements	14,726	-	14,726	-
01-6302-05-00-00	Cloud Subscriptions (Internet)	177,328	8,190	169,138	4.6%
01-6303-05-00-00	Telecommunications	165,582	8,560	157,022	5.2%
01-6305-05-00-00	IT Professional Services	92,400	2,331	90,069	2.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	40,985	498	40,487	1.2%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	28,968	3,928	25,040	13.6%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	7,702	56,471	12.0%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
	Total Other Expenses	639,198	32,268	606,930	5.0%
	Total Expenses before Allocation	791,126	40,905	750,221	5.2%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(791,126)	(40,905)	(750,221)	5.2%
	Total IT Allocations (Out) to PC's & Depts	(791,126)	(40,905)	(750,221)	5.2%

Agenda Item

4.F.

Board of Directors Meeting

Meeting Date: October 7, 2021

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

Summary/Discussion

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

1) Monthly Operational Report

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

2) SOCWA Ocean Outfall Discharges by Agency

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

3) Beach Ocean Monitoring Report

4) Recycled Water Report

5) Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report August, 2021

Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	1(1)	0	0	1
Noise	1(2)	0	0	1
Spills	0	0	0	0
Violations	0	0	0	0
Others	0	0	0	0

(1) The odor complaint was associated with an open house lateral not CTP.

(2) The noise complaint was associated with a failing compressor motor at CTP.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (3)	2.74	7.50	6.07	0.99	17.30
Effluent (mgd)	1.74	1.30	6.07	2.33	11.44
Peak Flow (mgd)	9.40	18.27	8.79	8.20	44.66
Influent BOD (mg/l)	359	257	299	330	
Influent TSS (mg/l)	557	324	656	398	
Effluent BOD (mg/l)	6.3	3.4	6.7	7.3	
Effluent TSS (mg/l)	8.0	5.5	6.8	9.2	
Effluent Turbidity (NTU)	4.7	3.2	2.5	5.3	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	1.61	6.20		7.82
Days of Operation (days)	31	31		
Total Flow (million gallons)	50.0	192.2		242.3
Plant Irrigation (million gallons)	0.00	0.10	0.27	
AWT Time Online (%)	100.0	96.0		

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 August, 2021 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		761.2	0.0	761.2
Nursery Products (tons)		352.2	640.8	993.0
Prima Deshecha (tons)		15.3	263.2	278.5
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,128.7	904.0	2,032.7

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	252	472	1,192	1,916
Corrective Maintenance	6	33	107	146

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	1	0	8	9
Member Agency	1	0	0	1
Residents	0	0	0	0
Others	0	1	11	12
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	6.0	25.9	36.4	68.3

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	NA	0.0
Utility Power Purchase (kWh)	187,109	44,022	137,706	368,837
Cogen Power (kWh)		611,906	456,366	1,068,272
Natural Gas (Dth)	NA	2,015	1,501	3,516
Digester Gas to Engine (scfm)		8,690,292	5,676,047	14,366,339
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		158,651	246,785	405,436
Digester Gas Power Savings		\$ 98,274		

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 August, 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	1.524	52.60%				1.52
EBS	0.069	2.37%				0.07
SCWD	1.304	45.02%		1.705	24.14%	3.01
MNWD	0.000	0.00%	7.50	1.400	19.83%	8.90
CSJC				2.359	33.40%	2.36
SMWD				1.598	22.63%	1.60
Total	2.897	100.00%	7.50	7.061	100.00%	17.45

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.52	28.35%	1.52	
EBS				0.07	1.28%	0.07	
SCWD	2.09	20.87%		0.02	0.31%	2.11	Includes Desalters
MNWD	1.46	14.55%		1.30	24.09%	2.76	
ETWD				1.19	22.11%	1.19	Direct Outfall Only
CSJC	2.81	28.03%				2.81	Includes Desalter
SMWD	1.61	16.06%				1.61	Includes Chiquita
CSC	2.06	20.49%				2.06	Direct Outfall Only
IRWD				1.28	23.86%	1.28	Direct Outfall Only
Total	10.04	100.00%	8.98	5.38	100.00%	15.41	

SOCWA Operational Report August, 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%	2.140	24.41%	2.359	33.40%	2.36	33.24%
MNWD	3.00	23.08%	1.400	15.97%	1.400	19.83%	1.40	19.73%
SCWD	3.75	28.85%	1.805	20.59%	1.705	24.14%	1.72	24.26%
SMWD	2.25	17.31%	3.421	39.03%	1.598	22.63%	1.62	22.77%
Total	13.00	100.00%	8.766	100.00%	7.061	100.00%	7.10	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%	6,046	22.86%	6,871	23.60%	6,191	24.99%
MNWD	8,340	21.62%	5,612	21.22%	7,497	25.74%	6,197	25.01%
SCWD	7,715	20.00%	6,238	23.59%	6,196	21.28%	6,050	24.42%
SMWD	10,946	28.38%	8,548	32.32%	8,556	29.38%	6,336	25.57%
Total	38,573	100.00%	26,444	100.00%	29,120	100.00%	24,774	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	16.63%	13.300	16.63%	2.057	20.49%	2.191	21.68%
CSJC	11.08%	8.860	11.08%	2.813	28.03%	2.825	27.95%
MNWD(3)	15.51%	12.410	15.51%	1.460	14.55%	1.441	14.26%
SCWD	12.46%	9.970	12.46%	2.095	20.87%	2.017	19.96%
SMWD	44.32%	35.460	44.33%	1.611	16.06%	1.633	16.16%
Total	100.00%	80.000	100.00%	10.036	100.00%	10.108	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 August, 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%	1.599	56.52%	1.524	52.60%	1.559	52.71%
EBSD	0.20	2.99%	0.080	2.83%	0.069	2.37%	0.072	2.44%
SCWD	2.00	29.85%	1.150	40.65%	1.304	45.02%	1.326	44.85%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.829	100.00%	2.897	100.00%	2.957	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	0.00776	0.0993%	0.0000	0.0117	0.0117	0.1546%	0.0132	0.1737%
EBSD	0.00001	0.0001%	0.0000	0.0005	0.0005	0.0070%	0.0006	0.0081%
SCWD	0.00345	0.0442%	0.0000	0.0101	0.0101	0.1323%	0.0112	0.1477%
ETWD	0.01472	0.1884%	0.0000	0.0162	0.0162	0.2132%	0.0140	0.1846%
MNWD	7.78597	99.6679%	7.4965	0.0630	7.5595	99.4929%	7.5478	99.4860%
Total	7.81191	100.0000%	7.4965	0.1016	7.5980	100.0000%	7.5868	100.0000%

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

SOCWA Operational Report August, 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%	5,133	14.82%	134,888	11.57%	146,907	12.56%
EBS	295	0.59%	320	0.92%	6,087	0.52%	6,807	0.58%
SCWD	4,480	8.96%	2,803	8.09%	115,446	9.90%	124,934	10.68%
ETWD	10,200	20.41%	5,282	15.25%	185,945	15.95%	157,267	13.44%
MNWD	29,395	58.82%	21,107	60.92%	723,789	62.07%	733,912	62.74%
Total	49,975	100.00%	34,645	100.00%	1,166,154	100.00%	1,169,827	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.00%	5.500	11.00%	1.524	28.35%	1.559	30.13%
EBS	0.78%	0.390	0.78%	0.069	1.28%	0.072	1.39%
ETWD	16.30%	8.151	16.30%	1.188	22.11%	1.204	23.27%
IRWD	15.76%	7.880	15.76%	1.283	23.86%	1.254	24.24%
MNWD	43.85%	21.924	43.85%	1.295	24.09%	1.097	21.19%
SCWD	12.31%	6.155	12.31%	0.017	0.31%	-0.011	-0.22%
Total	100.00%	50.000	100.00%	5.376	100.00%	5.175	100.00%

SOCWA Operational Report August, 2021 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Replaced failing Dezurik valve and housing for Digester #3.
Repaired Secondary Tank #12 flights and adjusted timing and chain tension.
Replaced failing TWAS Pump #1.
Rebuilt the failing clay valve and drain line on the potable water tank and repaired erosion damage.
Rigged and installed Centrifuge #2 after 8k hour offsite overhaul and rebalancing.
Performed planned overhaul of the Blower Room Foul Air Fan.

CTP - PC15

Replaced failing North DAFT Recirculation Pump including concrete pad and associated piping.
Replaced failing aeration gate between East and West Influent Channels.
Jetted out Scrubber drain line, which had become completely clogged with chemical precipitate.
Cleaned out Scrubber Stage 2/3 Pump suction screen, which had become completely clogged with chemical precipitate.
Installed new scrubber drain line cleanout to ease future chemical buildup de-clogging.

RTP - PC17

Replaced brackets in the Influent Channel for suspended solids and turbidity probes.
Cleaned and treated diesel fuel for all 3 Emergency Interstage Pumps.
Replaced flowmeters due to troubleshooting high WAS flow.
Rehabilitated and restored SET Recirculation Pump with leaking mechanical seal.
Replaced AWT 2 Dezurik Waste Valve, which had failed due to corrosion.
Prepared stainless fittings for future bypass work on Digester #3 and Flame Arrestor replacement.

Support Services - ALL PC'S

Replaced failed cooling fan inside Cogeneration Control Panel at RTP.
Replaced failed pressure transducer for Digesters #3 and #4 at RTP.
Replaced shorted-out mixing motor for AWT Chlorine Analyzer at RTP.
Troubleshooted defective hour meter on the 2W Control Panel at RTP.
Replaced failed control wiring and conduit for TSS probe on Effluent Channel at RTP.
Replaced failed starter coil on Waste Oil Pump control panel at RTP.
Replaced failed lighting in Building #40 Upstairs hallway at RTP.
Troubleshooted TWAS #3 auto function, which failed due to loose wiring at RTP.
Replaced selector switch contacts on Polymer Mixer 2 motor at RTP.
Troubleshooted shorted-out motor for the 9-Side Scrubber Recirculation Pump at JBL.
Replaced failed conduit for Digester #3 Gas Blower motor at JBL.
Replaced failing data cable between SCADA server and Admin Building at JBL.
Repaired old flex conduit off junction box for Centrifuge #2 at JBL.
Troubleshooted and adjusted overload trip setting for Polymer Pump #1 at JBL.
Reconfigured DPS flowmeter to read correct flow rate at CTP.

SOCWA Operational Report August, 2021 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Wired the new motor for North DAF Recirculation Pump at CTP.

Replaced failing wiring and circuit breaker for maintenance shop air compressor at CTP.

Adjusted datalogger of the effluent flowmeter at CTP.

Overhauled failing Cogeneration Building Exhaust Fan 1 bearings, shaft, and motor at RTP.

Replaced failed Steuler Air Compressor belts which had become worn at JBL.

Troubleshoot unexpected Engine shutdowns with a contractor at JBL.

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

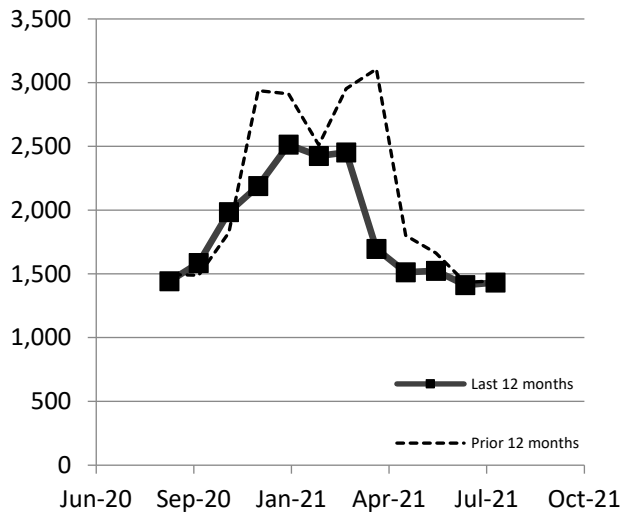
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report August, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.52	28.35%	1.52
EBSB			0.07	1.28%	0.07
SCWD	2.09	20.87%	0.02	0.31%	2.11
MNWD	1.46	14.55%	1.30	24.09%	2.76
ETWD			1.19	22.11%	1.19
CSJC	2.81	28.03%			2.81
SMWD	1.61	16.06%			1.61
CSC	2.06	20.49%			2.06
IRWD			1.28	23.86%	1.28
Total	10.04	100.00%	5.38	100.00%	15.41
or Acre-Feet per year equivalent					17,261

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

Aug-21	1,433
Jul-21	1,412
Jun-21	1,523
May-21	1,512
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	1,443
Total	22,170



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

August 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	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	MGD	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
08/01/21	No Flow				1.822	10.4		<0.1	0.630	4.5	2.0	<0.1	1.803	11.1	9.0	0.1	0.777	0.484	0.106	5.622	0.00
08/02/21	No Flow				1.200	10.4		0.1	1.16	4.3	3.0	<0.1	1.711	9.7	5.0	<0.1	0.775	0.484	0.128	5.458	0.00
08/03/21	No Flow				0.826	17.2	5.1	0.5	0.670	3.2	3.0	<0.1	1.489	8.8	7.0	<0.1	0.452	0.435	0.139	4.011	0.00
08/04/21	No Flow				0.969	28.7	6.6	0.5	0.630	4.7	3.0	0.1	1.368	7.7	6.0	0.1	0.397	0.484	0.168	4.016	0.00
08/05/21	No Flow				1.748	31.0	7.9	0.6	0.610	4.9	2.0	0.1	1.690	2.0	3.0	<0.1	0.414	0.480	0.121	5.063	0.00
08/06/21	No Flow				0.703	30.7	8.0	0.4	0.620	4.7	3.0	0.1	1.509	13.3	7.0	0.3	0.634	0.482	0.124	4.072	0.00
08/07/21	No Flow				0.938	26.7	7.3	0.2	0.610	4.7	3.0	0.1	1.167	9.1	6.0	0.2	0.839	0.503	0.141	4.198	0.00
08/08/21	No Flow				0.782	9.8		0.1	0.730	4.4	6.0	<0.1	0.753	8.2	8.0	0.1	0.838	0.497	0.099	3.699	0.00
08/09/21	No Flow				1.285	9.2		<0.1	1.540	8.4	4.0	<0.1	1.892	1.4	4.0	<0.1	0.839	0.494	0.100	6.150	0.00
08/10/21	No Flow				1.192	11.3	3.9	<0.1	1.010	5.6	6.0	<0.1	1.814	10.0	8.0	0.1	0.839	0.492	0.105	5.452	0.00
08/11/21	No Flow				1.094	9.0	3.4	<0.1	0.770	8.2	4.0	<0.1	1.351	4.5	4.0	1.0	0.838	0.490	0.139	4.682	0.00
08/12/21	No Flow				1.315	10.0	3.7	<0.1	0.700	6.2	6.0	<0.1	1.457	11.0	6.0	<0.1	0.838	0.488	0.160	4.958	0.00
08/13/21	No Flow				0.715	9.0	3.3	<0.1	0.690	5.3	4.0	0.1	1.784	11.5	6.0	0.1	0.837	0.491	0.129	4.646	0.00
08/14/21	No Flow				1.242	15.0	5.2	<0.1	0.850	4.9	3.0	0.1	1.127	9.1	6.0	0.3	0.838	0.624	0.138	4.819	0.00
08/15/21	No Flow				1.152	12.2		0.1	0.960	4.1	4.0	<0.1	1.733	4.5	4.0	0.1	0.837	0.630	0.135	5.447	0.00
08/16/21	No Flow				1.554	12.0		<0.1	3.360	8.8	3.0	<0.1	2.828	4.6	4.0	0.1	0.838	0.626	0.135	9.341	0.00
08/17/21	No Flow				1.175	8.2	4.3	0.1	3.670	5.8	3.0	<0.1	2.124	7.5	5.0	<0.1	0.837	0.622	0.118	8.546	0.00
08/18/21	No Flow				0.905	12.7	3.5	<0.1	1.290	6.9	4.0	0.1	1.280	4.7	5.0	0.1	0.838	0.619	0.136	5.068	0.00
08/19/21	No Flow				0.933	9.7	3.3	<0.1	0.900	4.3	3.0	<0.1	2.466	9.2	7.0	0.2	0.838	0.609	0.139	5.885	0.00
08/20/21	No Flow				0.771	10.0	2.5	<0.1	0.810	4.3	3.0	0.1	1.531	7.1	4.0	0.1	0.837	0.653	0.139	4.741	0.00
08/21/21	No Flow				1.545	9.3	2.8	<0.1	0.700	4.8	2.0	0.1	2.158	13.3	6.0	0.2	0.838	0.654	0.131	6.026	0.01
08/22/21	No Flow				1.157	8.4		<0.1	2.610	5.4	4.0	<0.1	0.996	5.1	5.0	0.1	0.837	0.653	0.134	6.387	0.00
08/23/21	No Flow				1.796	8.8		<0.1	4.550	12.6	5.0	<0.1	1.940	8.9	7.0	0.1	0.838	0.650	0.133	9.907	0.00
08/24/21	No Flow				1.719	7.7	2.0	<0.1	2.090	4.4	3.0	<0.1	0.912	3.6	4.0	<0.1	0.756	0.649	0.110	6.236	0.00
08/25/21	No Flow				1.229	8.0	1.8	<0.1	0.910	4.8	2.0	0.1	1.300	19.9	11.0	0.1	0.747	0.632	0.167	4.985	0.00
08/26/21	No Flow				1.517	7.0	2.1	<0.1	0.860	5.1	2.0	0.1	1.831	9.8	8.0	<0.1	0.533	0.625	0.121	5.487	0.00
08/27/21	No Flow				0.779	8.8	2.3	<0.1	0.820	4.2	2.0	<0.1	1.523	8.4	7.0	0.1	0.767	0.445	0.134	4.468	0.00
08/28/21	No Flow				1.350	13.0	3.0	<0.1	0.670	4.1	3.0	0.1	1.322	8.7	7.0	0.2	0.763	0.388	0.136	4.629	0.00
08/29/21	No Flow				0.873	8.6		<0.1	0.900	3.5	3.0	0.1	1.853	4.1	9.0	0.1	0.763	0.363	0.098	4.850	0.00
08/30/21	No Flow				1.490	5.8		<0.1	2.120	7.1	5.0	<0.1	1.781	3.9	8.0	0.1	0.763	0.363	0.136	6.653	0.00
08/31/21	No Flow				1.066	6.4	2.1	<0.1	1.710	5.5	3.0	<0.1	1.406	6.5	9.0	<0.1	0.510	0.361	0.118	5.171	0.00
AVG	No Flow				1.188	12.4	4.0	<0.2	1.295	5.5	3.4	<0.1	1.610	8.0	6.3	<0.2	0.751	0.531	0.130	5.506	
TOTAL	No Flow				36.84				40.15				49.90				23.30	16.47	4.017	170.67	0.01

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 701

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	08/02/21	750	<10	10	<2	None	None	None	None	Green	69	Clear		
S4	08/02/21	1020	<10	<10	<2	None	None	None	None	Green		Clear		
S5	08/02/21	1005	<10	<10	<2	None	None	None	None	Green		Clear		
S6	08/02/21	950	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	08/02/21	945	<10	<10	<2	None	None	None	None	Green		Clear		
S7	08/02/21	935	20	<10	<2	None	None	None	None	Green		Clear		
S8	08/02/21	925	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	08/02/21	910	40	10	12	None	None	None	None	Green		Clear		
ACM1	08/02/21	855	10	<10	2	None	None	None	None	Green		Clear		
S10	08/02/21	840	<10	<10	<2	None	None	None	None	Green		Clear		
S11	08/02/21	830	<10	<10	2	None	None	None	None	Green		Clear		
S12	08/02/21	820	10	<10	4	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.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 1116

Weather: Clear

COMMENTS: 1 Harbor Seal and 3 Dogs at S11

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	08/09/21	1100	<10	<10	<2	None	None	None	None	Green		Clear		
S4	08/09/21	1032	<10	<10	<2	None	None	None	None	Green		Clear		
S5	08/09/21	1014	<10	<10	<2	None	None	None	None	Green		Clear		
S6	08/09/21	950	<10	<10	2	None	None	None	None	Green	69	Clear		
WEST	08/09/21	948	<10	<10	<2	None	None	None	None	Green		Clear		
S7	08/09/21	942	<10	<10	<2	None	None	None	None	Green		Clear		
S8	08/09/21	930	<10	<10	2	None	None	None	None	Green		Clear		
S9	08/09/21	902	<10	<10	<2	None	None	None	None	Green	68	Slightly Turbid		
ACM1	08/09/21	900	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S10	08/09/21	835	<10	<10	<2	None	None	None	None	Green	70	Clear		
S11	08/09/21	825	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		10
S12	08/09/21	810	130	70	4	None	None	None	None	Blue		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 645

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	08/17/21	835	10	<10	<2	None	None	None	None	Green	68	Clear		
S4	08/17/21	1045	10	<10	<2	None	None	None	None	Green		Clear		
S5	08/17/21	1030	10	20	4	None	None	None	None	Green		Clear		
S6	08/17/21	1010	10	10	2	None	None	None	None	Green		Clear		
WEST	08/17/21	1005	<10	<10	2	None	None	None	None	Green		Clear		
S7	08/17/21	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S8	08/17/21	955	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	08/17/21	945	20	<10	<2	None	None	None	None	Green		Clear		
ACM1	08/17/21	940	<10	<10	10	None	None	None	None	Green		Clear		
S10	08/17/21	920	<10	<10	<2	None	None	None	None	Green		Clear		
S11	08/17/21	905	<10	<10	<2	None	None	None	None	Green		Clear		
S12	08/17/21	855	210	10	20	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 0646

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	08/23/21	1015	10	<10	4	None	None	None	None	Green	66	Slightly Turbid		
S4	08/23/21	0945	<10	<10	<2	None	None	None	None	Green		Turbid		
S5	08/23/21	0930	<10	<10	4	None	None	None	None	Green		Turbid		
S6	08/23/21	0915	100	<10	4	None	None	None	None	Green		Slightly Turbid		
WEST	08/23/21	0910	<10	<10	<2	None	None	None	None	Green		Turbid		
S7	08/23/21	0905	<10	<10	4	None	None	None	None	Green		Turbid		
S8	08/23/21	0900	<10	<10	2	None	None	None	None	Green		Turbid		
S9	08/23/21	0845	<10	<10	<2	None	None	None	None	Green		Turbid		
ACM1	08/23/21	0845	<10	<10	<2	None	None	None	None	Green		Turbid		
S10	08/23/21	0820	10	<10	4	None	None	None	None	Green		Turbid		
S11	08/23/21	0815	<10	<10	2	None	None	None	None	Green		Turbid		
S12	08/23/21	0810	40	20	<2	None	None	None	None	Green		Turbid		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 7:43

Weather: Rain

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	08/31/21	0729	<10	<10	2	None	None	None	None	Green	63	Turbid		
S4	08/31/21	0745	<10	<10	10	None	None	None	None	Green		Turbid		
S5	08/31/21	0800	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S6	08/31/21	0814	10	<10	10	None	None	None	None	Green	64	Slightly Turbid		
WEST	08/31/21	0818	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	08/31/21	0819	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	08/31/21	0824	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	08/31/21	0918	10	<10	4	None	None	None	None	Green		Slightly Turbid		
ACM1	08/31/21	0914	<10	<10	3	None	None	None	None	Green		Slightly Turbid		
S10	08/31/21	0835	<10	<10	<2	None	None	None	None	Green	64	Slightly Turbid		
S11	08/31/21	0852	<10	<10	10	None	None	None	None	Green		Slightly Turbid		
S12	08/31/21	0859	10	10	<2	None	None	None	None	Green		Clear		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: August 2021

REPORT DUE: October 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 1213

Sta 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	08/26/21	<2	<2	<2	807	0	0	
A-1	Mid depth	08/26/21	10	<10	10				
A-2	Surface	08/26/21	<2	<2	<2	757	0	0	
A-2	Mid depth	08/26/21	<10	<10	<10				
A-3	Surface	08/26/21	<2	<2	<2	801	0	0	
A-3	Mid depth	08/26/21	<10	<10	<10				
A-4	Surface	08/26/21	<2	<2	<2	811	0	0	
A-4	Mid depth	08/26/21	<10	<10	10				
A-5	Surface	08/26/21	<2	<2	<2	804	0	0	
A-5	Mid depth	08/26/21	<10	<10	<10				
B-1	Surface	08/26/21	<2	<2	<2	748	0	0	
B-1	Mid depth	08/26/21	<10	<10	<10				
B-2	Surface	08/26/21	<2	2	<2	818	0	0	
B-2	Mid depth	08/26/21	<10	10	<10				
N1	Surface	08/26/21	<2	<2	<2	834	0	0	
N2	Surface	08/26/21	<2	2	<2	832	0	0	
N3	Surface	08/26/21	<2	2	2	831	0	0	
N4	Surface	08/26/21	4	<2	<2	830	0	0	
N5	Surface	08/26/21	<2	4	<2	829	0	0	
N6	Surface	08/26/21	2	<2	<2	828	0	0	
N7	Surface	08/26/21	2	<2	<2	826	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 during this monitoring period.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

August 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
08/01/21	6.600	12.5	9.2	0.1	1.389				0.034				0.014	5.2	4.6	ND	0.485	0.203	8.820	0.00
08/02/21	6.780	17.3	12.1	<0.1	1.980	4.2	6.0	<0.1	0.015	5.2	6.0	<0.1	0.015	7.2	5.2	ND	0.489	0.202	8.700	0.00
08/03/21	6.630	7.5	6.7	<0.1	1.995	4.0	7.0	<0.1	0.007	2.6	6.8	<0.1	0.013	7.8	6.1	ND	0.297	0.183	9.570	0.00
08/04/21	6.310	7.7	6.0	0.1	1.874	3.8	4.0	<0.1	0.019	2.6	4.1	<0.1	0.018	8.8	7.0	ND	0.160	0.159	9.220	0.00
08/05/21	6.380	7.8	4.9	<0.1	1.859	3.6	5.0	<0.1	0.011	4.0	4.2	<0.1	0.010	7.6	6.2	ND	0.459	0.203	8.760	0.00
08/06/21	6.340	9.4	7.4	0.2	1.798	4.3	5.0	<0.1	0.011	3.1	4.3	<0.1	0.010	7.6	6.0	ND	0.461	0.208	8.920	0.00
08/07/21	6.330	8.0	8.6	0.2	2.059				0.011				0.010				0.458	0.204	8.880	0.00
08/08/21	6.370	8.7	8.4		2.136				0.009				0.022				0.456	0.204	9.100	0.00
08/09/21	6.170	7.9	7.4	<0.1	2.393	4.2	6.0	<0.1	0.011	5.8	8.5	<0.1	0.014	8.4	7.1	ND	0.464	0.209	9.160	0.00
08/10/21	6.320	6.1	6.0	<0.1	2.097	3.6	6.0	<0.1	0.007	3.6	6.4	<0.1	0.037	7.8	5.9	ND	0.467	0.203	9.510	0.00
08/11/21	6.190	6.1	5.0	0.1	2.379	4.1	5.0	<0.1	0.015	3.2	5.3	<0.1	0.098	9.8	7.0	ND	0.467	0.203	9.370	0.00
08/12/21	6.110	7.3	5.7	0.2	1.609	4.4	6.0	<0.1	0.008	4.1	4.0	<0.1	0.084	9.0	7.3	ND	0.465	0.208	9.830	0.00
08/13/21	6.270	9.4	6.1	0.3	1.881	5.7	5.0	<0.1	0.020	3.8	4.3	<0.1	0.036	9.4	7.1	ND	0.486	0.204	8.860	0.00
08/14/21	6.190	7.0	5.3		1.353				0.012				0.071				0.477	0.203	8.440	0.00
08/15/21	6.430	7.9	5.7	0.2	1.709				0.012				0.066				0.471	0.188	8.660	0.00
08/16/21	6.500	8.4	6.0	0.1	1.688	4.4	6.0	<0.1	0.007	4.5	7.8	<0.1	0.070	8.8	6.5	ND	0.472	No Flow	8.900	0.00
08/17/21	6.630	7.9	5.4	<0.1	2.115	4.9	7.0	<0.1	0.006	2.6	8.1	<0.1	0.057	8.6	6.5	ND	0.472	0.430	9.390	0.00
08/18/21	6.470	7.4	6.7	0.2	1.692	4.8	4.0	<0.1	0.095	3.5	4.4	0.1	0.071	11.0	5.4	ND	0.472	3.230	9.340	0.00
08/19/21	6.360	4.7	5.9	0.1	1.860	4.4	6.0	<0.1	0.005	3.2	4.1	0.1	0.057	9.8	6.8	ND	0.470	2.990	8.820	0.00
08/20/21	6.820	5.0	4.5	<0.1	2.045	9.6	7.0	<0.1	0.017	3.8	5.1	<0.1	0.068	8.4	6.2	ND	0.473	0.205	10.220	0.00
08/21/21	6.610	5.6	5.6	0.3	2.003				0.000				0.076				0.473	0.208	10.270	0.01
08/22/21	6.510	6.9	7.0	0.1	2.538				0.000				0.074				0.471	0.203	9.570	0.00
08/23/21	7.080	8.2	9.7	<0.1	2.990	4.5	8.0	<0.1	0.004	5.0	8.5	<0.1	0.114	7.6	5.1	ND	0.390	0.208	9.910	0.00
08/24/21	7.120	3.6	4.8	<0.1	2.226	4.8	8.0	<0.1	0.005	3.5	6.8	<0.1	0.089	10.0	7.4	ND	0.483	0.203	10.350	0.00
08/25/21	6.970	5.3	6.2	0.1	2.665	4.6	7.0	<0.1	0.009	3.1	4.1	0.1	0.068	12.2	9.4	ND	0.485	0.203	9.650	0.00
08/26/21	7.690	5.9	6.4	0.1	1.993	5.1	5.0	<0.1	0.010	4.0	4.6	<0.1	0.088	10.6	8.2	ND	0.482	0.209	9.510	0.00
08/27/21	6.920	8.0	5.0	0.2	2.140	4.5	4.0	<0.1	0.007	4.0	4.8	<0.1	0.065	5.4	4.8	ND	0.480	0.204	9.080	0.00
08/28/21	6.920	7.8	9.8	0.3	1.989				0.018				0.083				0.480	0.209	9.010	0.00
08/29/21	7.070	7.3	12.1		2.128				0.027				0.081				0.478	0.203	9.030	0.00
08/30/21	6.750	8.8	10.8	<0.1	2.404	4.9	7.0	<0.1	0.006	6.0	8.1	<0.1	0.085	11.4	7.4	ND	0.478	0.195	9.320	0.00
08/31/21	6.770	5.7	6.3	0.1	2.766	5.4	7.0	<0.1	0.007	3.5	5.6	<0.1	0.203	11.2	8.7	ND	0.461	0.199	9.780	0.00
AVG	6.600	7.6	7.0	<0.1	2.057	4.7	6.0	<0.1	0.014	3.9	5.7	<0.1	0.060	8.9	6.6	ND	0.454	0.390	9.289	
TOTAL	204.610				63.753				0.425				1.867				14.082	12.083	287.950	0.01

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 801

Weather: Clear

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	08/03/21	830	<20	<20	<2	None	None	None	None	Green	66	Slightly Turbid		
S1	08/03/21	835	<20	20	<2	None	None	None	None	Green		Slightly Turbid		
S2	08/03/21	740	20	<20	8	None	None	None	None	Brown		Slightly Turbid		
DSB5	08/03/21	735	<20	<20	12	None	None	None	None	Brown		Slightly Turbid		
S3	08/03/21	840	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	08/03/21	845	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S5	08/03/21	850	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB1	08/03/21	855	<20	<20	2	None	None	None	None	Green		Turbid		
SJC1	08/03/21	745	100	<100	<10	None	None	None	None	Green	Slightly Turbid			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 0537

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	08/11/21	0805	<20	<20	<2	None	None	None	None	Green		Slightly Turbid			
S1	08/11/21	0815	<20	<20	<2	None	None	None	None	Green	67	Slightly Turbid			
S2	08/11/21	0800	<20	40	6	None	None	None	None	Green		Slightly Turbid			
DSB5	08/11/21	0750	160	60	16	None	None	None	None	Green		Clear			
S3	08/11/21	0815	<20	<20	<2	None	None	None	None	Green		Slightly Turbid			
DSB4	08/11/21	0816	<20	<20	<2	None	None	None	None	Green		Turbid			
S5	08/11/21	0820	<20	<20	<2	None	None	None	None	Green		Turbid			
DSB1	08/11/21	0825	<20	<20	<2	None	None	None	None	Green		Turbid			
SJC1	08/11/21	0805	20	<20	<10	None	None	None	None	Green		Turbid			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 748

Weather: Drizzle

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	08/18/21	1205	2,000	20	2	None	None	None	None	Green	67	Slightly Turbid		
S1	08/18/21	1215	<20	<20	8	None	None	None	None	Green		Slightly Turbid		
S2	08/18/21	1130	800	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB5	08/18/21	1120	40	<20	6	None	None	None	None	Brown		Slightly Turbid		
S3	08/18/21	1220	<20	20	10	None	None	None	None	Green		Slightly Turbid		
DSB4	08/18/21	1225	40	<20	4	None	None	None	None	Green		Slightly Turbid		
S5	08/18/21	1235	200	<20	6	None	None	None	None	Green		Slightly Turbid		
DSB1	08/18/21	1245	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	08/18/21	1200	500	<100	<10	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2021
 REPORT DUE: October 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 1111

Weather: Clear

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	08/24/21	820	20	<20	4	None	None	None	None	Green	65	Slightly Turbid		
S1	08/24/21	830	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	08/24/21	805	<20	<20	6	None	None	None	None	Green		Slightly Turbid		
DSB5	08/24/21	755	400	1,200	200	None	None	None	None	Brown		Turbid		
S3	08/24/21	835	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	08/24/21	840	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S5	08/24/21	850	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB1	08/24/21	905	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	08/24/21	810	<100	<100	<10	None	None	None	None	Green	Slightly Turbid			

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



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: August 2021

REPORT FREQUENCY: Monthly

REPORT DUE: October 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 1213

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	08/26/21	<2	<2	<2	928	0	0	0 - None
A-1	Mid depth	08/26/21	<10	<10	<10				1 - Mild
A-2	Surface	08/26/21	<2	<2	<2	934	0	0	2 - Moderate
A-2	Mid depth	08/26/21	<10	<10	<10				3 - Severe
A-3	Surface	08/26/21	<2	<2	<2	938	0	0	
A-3	Mid depth	08/26/21	<10	<10	<10				
A-4	Surface	08/26/21	<2	<2	<2	944	0	0	
A-4	Mid depth	08/26/21	<10	<10	<10				
A-5	Surface	08/26/21	<2	<2	<2	941	0	0	
A-5	Mid depth	08/26/21	10	<10	<10				
B-1	Surface	08/26/21	<2	<2	<2	918	0	0	
B-1	Mid depth	08/26/21	<10	<10	<10				
B-2	Surface	08/26/21	<2	<2	<2	951	0	0	
B-2	Mid depth	08/26/21	<10	10	<10				
N1	Surface	08/26/21	<2	<2	<2	914	0	0	
N2	Surface	08/26/21	<2	<2	<2	911	0	0	
N3	Surface	08/26/21	<2	<2	2	909	0	0	
N4	Surface	08/26/21	<2	<2	<2	904	0	0	
N5	Surface	08/26/21	<2	<2	<2	902	0	0	
N6	Surface	08/26/21	<2	<2	<2	900	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 monitoring period.							

Recycled Water Report

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	0.00	1.73	0.00	0.02					6.75
CSJC 2	Chiquita/SMWD	18.21	22.92	28.95	33.86	33.68	40.39	45.33	45.29					268.63
CSJC 3	Non-Domestic Well	0.00	0.00	0.05	15.85	35.83	33.63	43.44	38.39					167.19
ETWD	Region 8	53.03	75.50	79.89	171.14	198.26	224.63	235.18	241.07					1278.71
IRWD														
4	IRWD - 8	66.48	39.90	59.73	129.00	147.62	174.11	200.63	207.97					1025.45
4	IRWD - 9	23.71	19.32	36.02	78.54	78.94	97.80	103.78	105.81					543.93
SCWD	SOCWA CTP	68.70	42.73	52.98	106.27	98.15	114.17	147.38	191.90					822.27
MNWD	JRP	151.70	275.99	386.65	551.51	567.82	536.90	625.01	589.96					3685.53
	3-A Plant	59.99	0.00	0.00	5.83	143.27	142.88	150.43	148.30					650.70
5	CTP	29.42	2.50	2.92	10.48	6.02	26.07	10.17	20.90					108.49
SMWD	Oso Creek	148.61	121.98	141.01	126.41	145.30	141.66	149.28	150.23					1124.48
	Chiquita	438.61	284.46	285.90	454.13	507.69	472.52	477.73	485.13					3406.16
	Nichols	1.61	1.50	1.71	1.67	1.89	2.00	2.24	1.98					14.60
TCWD	RRWRP	50.41	43.87	52.48	49.01	46.43	43.01	47.15	46.90					379.25
TOTALS		1110.47	930.66	1129.30	1737.71	2010.88	2051.50	2237.76	2273.85					13482.13

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

Pretreatment Report

Agenda Item

4.F.

Legal Counsel Review: No

Meeting Date: October 7, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

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

Summary of Program Activities

SOCWA adopted Pretreatment Ordinance 2020-1 on October 1, 2020. Member agencies (MAs) continue the process of amending their individual pretreatment ordinances. CSC Staff confirmed plans to adopt the changes during its September City Council meeting. Once finalized, all SOCWA MAs will have updated Pretreatment Ordinances.

SCWD is in process of updating its District Policy of *Acceptance of Dry Weather Diversions (Urban Runoff) into the South Coast Water District Sewer Collection System*. The Policy mirrors SOCWA's *Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Wastewater Collection, Treatment and Disposal System* ("Nuisance Flow Diversion Policy). SOCWA Staff will be reaching out to other MAs to discuss development and adoption of similar individual policies.

On August 13, 2021, SOCWA received copy of the Report for findings associated with the Pretreatment Compliance Inspection (PCI) performed by video on June 15, 2020. The virtual PCI included an interview and file review. The virtual PCI did not include a half-day of inspections per normal procedures. The Report includes five requirements and five recommendations for program improvement. All requirements are related to permit language and required facility documentation and do not require substantial program changes. Staff has until November 11, 2021, 90-days from issuance, to provide response to State Staff. Staff will distribute copy of the Report and SOCWA Response letter to MA Staff.

The 2020 PCI report included a recommendation for SOCWA to reach out to dental facilities which have not yet submitted to SOCWA a One-Time Report in compliance with the EPA Dental Amalgam Rule which took effect in July of 2017. The deadline for existing facilities to submit this report was October 2020. Out of approximately 500 surveyed dental facilities, SOCWA has received less than 100 Reports. Therefore, SOCWA has dedicated short-term Staff to call each surveyed non-compliant facility and increase its reporting percentage.

On August 24, 2021, State Staff, and its contractors from PG Environmental performed an in-person PCI. The in-person PCI lasted one day and include a half-day of interview and file review and a half-day of inspections. Which files to review and which sites to inspect are chosen at the

discretion of the Audit Staff inspectors. Additionally, Audit Staff requested to continue to review files electronically beyond the one-day timeframe. The final exit meeting was performed virtually on September 22, 2021. All findings and recommendations relate to required permit language. SOCWA expects to receive the written report 30-days from the exit meeting, October 22, 2021.

Staff continues to utilize the CA Manufacturers Directory, submitted will serve notices, and business licensing data to identify industrial users (IUs) and update each MA industrial waste survey (IWS) spreadsheet. Specifically, Staff is working to cross reference recent licensing information received for City of Laguna Beach and update the related IWS spreadsheet.

Permit Related Activities

The following Wastewater Discharge (WD) Permits, Special Wastewater Discharge (SWD) Permits, Nuisance Water-Special Wastewater Discharge (NSWD) Permits, Non-Industrial Wastewater Discharge (NIWD) forms, and BMP letters were issued or are in the process of being drafted for issuance:

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.

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.

MNWD/SMWD – SWD Permit No. SOCWA-4-006 – US Alliance Holden Forbes – US Alliance submitted a permit application on June 23, 2021 requesting to discharge groundwater, associated with construction trenching efforts, to sewer facilities (specifically the Oso-Trabuco trunkline). Staff issued a two-year term permit with an effective date of September 7, 2021 and expiration date of September 6, 2023.

SMWD – WD Permit No. SMWD-2-005-09-26 – Glas Werk – Glas Werk submitted a renewal permit application on August 12, 2021. Staff re-issued a five-year permit with an effective date of September 27, 2021 and an expiration date of September 26, 2026.

CSC – WD Permit No. CSC-2-004 – Flavorchem – Staff issued renewal WD Permit No. CSC-2-004-09-96 for Flavorchem, located at 271 Calle Pintoresco, San Clemente, CA 92672, on September 16, 2021. The permit has an effective date of September 20, 2021 and expires September 19, 2026.

CSC – Prima Deshecha Landfill (PDL) – On August 26, 2021, SOCWA received a WD Permit Application submitted on behalf of Orange County Waste & Recycling (OCWR) for proposed

discharge from a treatment system for landfill gas condensate stream produced at PDL. Staff is in process of reviewing and preparing a response and request for additional information.

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.

Staff attended a virtual Pretreatment/Reuse Workgroup meeting on September 27, 2021, hosted by NACWA and featuring a case study by Nancy Nye.

Staff attended a virtual training titled “Inspector Safety in a Pandemic World” on September 28, 2021, from 8:00 am to 12:00 pm hosted by California Hazardous Materials Investigators Association (CHMIA).

Inspections

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

SMWD – On September 8, 2021, Staff inspected Glas Werks (WD Permit #SMWD-2-005) prior to permit renewal. The inspection verified no changes at the facility.

SMWD – On September 8, 2021, Staff inspected Alloy Products, located at 1320 Calle Avanzado, San Clemente, CA 92673 in response to an environmental assessment and public records request. The inspection verified that the site does not discharge process wastewater to sewer facilities and acts strictly as a distribution center.

Summary of IWS Activities in SOCWA’s Service Area - YTD through September 22, 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	1	1597
CSJC (S)	1	3	27	59	137	1666	38	0	1	1930
ETWD (M)	2	4	87	0	262	132	84	0	0	568
EBSU (U)	2	1	0	0	0	0	0	0	0	1
IRWD (S)	4	4	51	21	63	937	24	0	1	1100
MNWD (S)	95	4	121	39	632	2093	202	17	0	3089
SMWD (S)	65	6	19	20	210	801	79	9	0	1135
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	175	62	376	169	1641	7249	537	26	3	10006

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

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

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

Agenda Item

4.G.

Board of Directors Meeting

Meeting Date: October 7, 2021

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

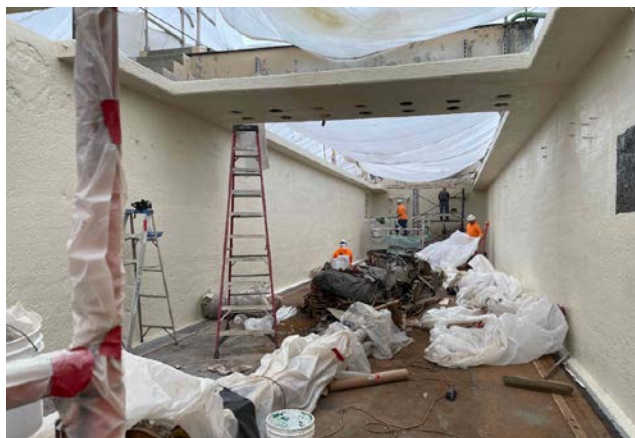
The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages.

Below are photos of the 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:

Work continues in the Plant 1 Primary Tanks (left) and work nears completion on DAFT No. 2 (right)



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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:

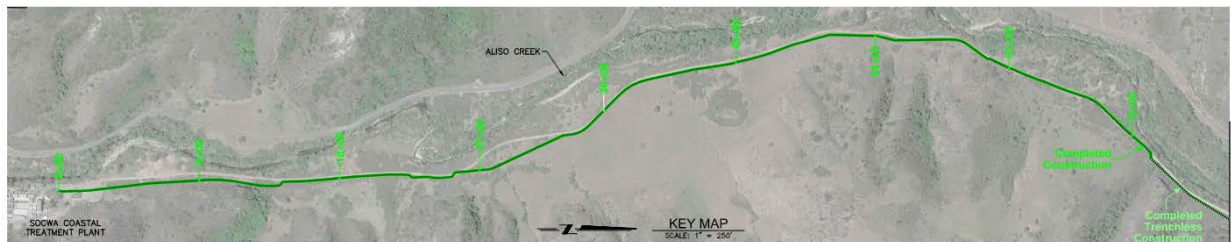
The new ferric chloride system is near completion after final controls are installed (left & right).



Coastal Treatment Plant Sludge Force Main Replacement

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

Export Sludge Force Main Construction Progress as of September 13, 2021



Newly installed encased pipe near existing rip-rap section of creek (left). Potholing and locating of existing dual 4-inch export sludge lines (right).



SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant												
3220/3231/3287	Facility Improvements B	\$ 7,050,000	\$ -	In Construction	C	C	C	C				
32225C/S	Energy Building Upgrades	\$ 1,580,000	\$ 2,370,000	In Design	D	D	D	D	B&A	C	C	C
32226L	Effluent Pump Station Upgrades	\$ 375,000	\$ 2,125,000	In Design	D	D	D	D	B&A	C	C	C
32223C	Drainage Pump Station Reconstruction	\$ 133,937	\$ 44,646			D	C	C	C			
42221C	Site Storage Evaluation	\$ 60,975	\$ -			P	P	P				
42222C	Electrical Conduit and Cable Master Plan	\$ 60,975	\$ -		P	P						
52222C	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
52223C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
52221C	Arc Flash 5-Year Update	\$ 8,000	\$ -				P					
42232C	Chlorine Building and Storm Water Pump Station Condition Assessment	\$ -	\$ 50,223						CA	CA		
32233L	Plant 1 Grit Handling	\$ -	\$ 50,703								CA	CA
42231L	Influent Flow Metering Evaluation	\$ -	\$ 50,922						CA	CA		
42233C	Buried Utility Master Plan	\$ -	\$ 152,438								P	P
3285-000	Main Plant Drain Line Reconstruction (2018)	\$ -	\$ 223,136							D	D	B&A
32231S	Gas Flare Replacement	\$ -	\$ 263,384									D
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehabilitation	\$ -	\$ 331,471						D	B&A	C	C
PC 5 - San Juan Creek Ocean Outfall												
562210	Outfall Port Cleaning	\$ 45,000	\$ -			ENV	ENV					
362210	Surge System Air Valve Replacement	\$ -	\$ 39,062							C		
462110	Land Outfall Facility Condition Assessment	\$ -	\$ 52,326							CA	CA	
462210	Marine Outfall Core Sample and Condition Assessment	\$ -	\$ 90,000								CA	CA

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 15 - Coastal Treatment Plant												
3541-000	Export Sludge System Construction (2020)	\$ 3,248,233	\$ 1,392,100	In Construction	C	C	C	C	C	C		
3539-000	Facility Construction Improvements	\$ 2,500,000	\$ -	In Construction	C							
35228L	Aeration Blower System Upgrades	\$ 1,600,000	\$ 6,400,000	Diffusers purchased for installation in FY22. Blower design in FY23.	D	B&A	C	C	D	B&A	C	C
3522CL	West Basin Scum Collection System	\$ 400,000	\$ -		D	B&A	C	C				
3522AL	Drainage Pump Station	\$ 175,000	\$ -			CA	CA					
3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -	In Design		B&A	C	C				
3522BL	Headworks Upgrades	\$ 125,000	\$ -		P	P						
35221L	Auxiliary Blower and Maintenance Building Roofs	\$ 100,000	\$ 100,000			P	P	B&A	C	C		
35229L	Foul Air System	\$ 76,422	\$ -			P						
35220L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -			B&A	C	C				
45212L	Site Storage Evaluation	\$ 50,000	\$ -			P	P	P				
45226L	Consequence of Failure Analysis	\$ 50,000	\$ -			P	P					
55222L	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
35221A	Contact Basin Gate	\$ 25,000	\$ 225,000					D	B&A	C		
55221L	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
35231L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 85,000						C	C		
35232L	South Embankment Protection	\$ -	\$ 175,000						B&A	C	C	
35233L/36L	Scum Pump Station and Wet Well	\$ -	\$ 289,284						B&A	C	C	
35234L	RAS/WAS Pump Station	\$ -	\$ 83,705					D	D			
35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ -	\$ 36,719								D	
35237L	Electrical Manhole/Cable Project	\$ -	\$ 85,000							CA	CA	

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 17 - Regional Treatment Plant												
3758-000	AWT No.2 Reconstruction (2020)	\$ 2,271,932	\$ -			B&A	C	C				
3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,750,000	\$ -	In Construction	C	C						
3722CL	Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 4,615,000				D	D	B&A	C	C	C
37222C	SCADA System Upgrade Project	\$ 387,131	\$ -		P	P	C	C				
3759-000	AWT No.2 Electrical Upgrades (2020)	\$ 348,070	\$ -			B&A	C	C				
37227C	Energy Building Upgrades	\$ 312,500	\$ 312,500			CA	CA	D	B&A	C	C	
3773-000	Co-Generation System Modifications (2020)	\$ 290,689	\$ -		P	P	C	C				
3722BL	Mixed Liquor Channel	\$ 284,154	\$ -			D	D	D				
3776	Effluent Pond Gate Replacement	\$ 249,885	\$ -			B&A	C	C				
47212C	Site Storage Evaluation	\$ 81,300	\$ -			P	P	P				
37229C	Laboratory Reconstruction	\$ 76,500	\$ -			P	P	P				
47222L	Secondary Effluent Conveyance Evaluation	\$ 52,621	\$ -		P	P						
37220L	Interstage Pump Station	\$ 52,346	\$ -				D	D				
37228C	West Side Storm Channel Reconstruction	\$ 50,000	\$ 200,000			D	D	B&A	C	C		
47224C	Consequence of Failure Analysis	\$ 50,000	\$ -				P	P				
37221C	West Slope Protection	\$ 39,000	\$ 156,000			D	D	B&A	C	C		
57221C	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
3756-000	Secondary Clarifier Safety Repairs (2020)	\$ 29,750	\$ 55,250				D	D	B&A	C	C	C
57222C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -					P				
3722AL/C/S	MCC A, C, G, H Replacement	\$ -	\$ 1,527,741	In Design					B&A	C	C	C
37230C	Admin. Bldg. Door and Window Repair	\$ -	\$ 132,748							B&A	C	C
37232L/C	Site Lighting Upgrades	\$ -	\$ 797,923							C	C	C
37237C	Instrumentation Plan	\$ -	\$ 100,446								P	P
37233L	Secondary Scum Pump Station Reconstruction	\$ -	\$ 645,542						D	D	B&A	C
37234L	RAS System Upgrades	\$ -	\$ 55,803							CA	CA	
37235L	Primary Sedimentation Collectors and Gates	\$ -	\$ 100,898									D
37238L	Grit Handling	\$ -	\$ 63,145						D	D		
37231S	Solids Area Overhaul Plan	\$ -	\$ 100,446							P	P	
37239S	Digester System Condition Assessment	\$ -	\$ 94,865								CA	CA

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 21 - Effluent Transmission Main												
3107-000 (B/C/D)	Air Valve Replacement Construction (D) (2021)	\$ 377,778	\$ -	In Design		B&A	C	C				
31221B	Trail Bridge Crossing (D)	\$ 360,000	\$ 840,000			D	D	D				
31222B	Aliso ETM Reach B/C Techite Replacement	\$ 292,000	\$ 292,000				P	P	P			
3108-000 (E)	Air Valve Replacement Construction (E) (2021)	\$ 472,222	\$ -	In Design		B&A	C	C				
PC 24 - Aliso Creek Ocean Outfall												
3480-000	Internal Seal Replacement	\$ 175,000	\$ -			B&A	C	C				
34222O	Golf Course Road	\$ 45,000	\$ -			CA	CA					
54221O	Outfall Port Cleaning	\$ 45,000	\$ -				ENV	ENV				
34231O	Metering and Sampling	\$ -	\$ 66,964							C	C	
34232O	Creek Section Pipeline Replacement	\$ -	\$ 50,703							P	P	

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

Agenda Item

4.H.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: PC-2 & PC-15 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]

Summary/Discussion

The attached CIP Report shows the financial status of the major construction projects as well any potential and Engineering Committee reviewed change orders. Please note that there are five new change orders for PC 2 J.B. Latham Package B Project totaling \$104,554.

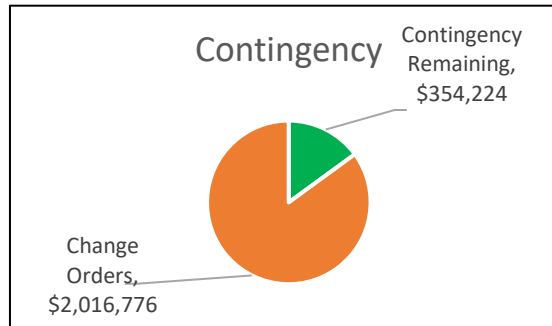
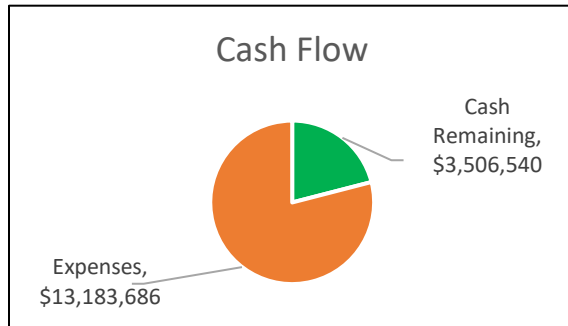
Recommended Action: The Engineering Committee recommends to the PC-2 Board of Directors to approve Olsson Construction Change Order 24 for \$67,839, Change Order 25 for \$4,958, Change Order 26 for \$8,444, Change Order 27 for \$15,470, and Change Order 28 for \$7,843 for a total of \$104,554 and a revised contract price of \$18,501,444 for the JBL Package B Project.

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

September 23, 2021



Cash Flow

Collected	\$16,690,226
Expenses	\$13,183,686

Project Completion

Schedule	72%
Budget	57%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 1,176,444	\$ 18,501,444	\$ 9,985,577
Butier	13647	\$ 895,727	\$ 612,715	\$ 1,508,442	\$ 970,272
Carollo	13616	\$ 846,528	\$ 227,617	\$ 1,074,145	\$ 991,551
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		\$ 19,161,255	\$ 2,016,776	\$ 21,178,031	\$12,029,237

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 591,544	\$ 25,256	95.9%
Common	3231-000	\$ 96,800	\$ 67,205	\$ 29,595	69.4%
Solids	3287-000	\$ 1,657,400	\$ 1,358,026	\$ 299,374	81.9%
		\$ 2,371,000	\$ 2,016,776	\$ 354,224	85.1%

Summary of New Change Orders

Change Order No	CSJC	MNWD	SCWD	SMWD	Amount
24	\$20,352	\$14,668	\$13,568	\$19,252	\$67,839
25	\$1,487	\$1,072	\$992	\$1,407	\$4,958
26	\$2,598	\$1,949	\$2,436	\$1,461	\$8,444
27	\$4,760	\$3,570	\$4,462	\$2,677	\$15,470
28	\$2,353	\$1,696	\$1,569	\$2,226	\$7,843
Grand Total	\$31,550	\$22,954	\$23,026	\$27,023	\$104,554

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	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	0	\$4,725
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	Approved by Board of Directors	6/4/2020	0	\$6,343
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	Approved by Board of Directors	6/4/2020	11	\$37,970
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	Approved by Board of Directors	6/4/2020	3	\$24,002
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	Approved by Board of Directors	8/6/2020	28	\$16,370
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	Approved by Board of Directors	8/6/2020	90	\$41,994

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	Approved by Board of Directors	8/6/2020	3	\$7,413
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	Approved by Board of Directors	8/6/2020	0	-\$1,829
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	0	\$18,678
10	Olsson	3287-000	Duct bank J Interferences	Approved by Board of Directors	12/17/2020	18	\$73,639
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	Approved by Board of Directors	12/17/2020	5	\$20,869
12	Olsson	3220-000	Duct bank K Interferences	Approved by Board of Directors	12/17/2020	0	\$15,567
13	Olsson	3287-000	Digester 3/4 PLC Relocation	Approved by Board of Directors	12/17/2020	14	\$41,368
14	Olsson	3287-000	Digester 4 Additional Tank Repair	Approved by Board of Directors	12/17/2020	18	\$33,643
15	Olsson	3220-000	Duct bank O Interferences	Approved by Board of Directors	12/17/2020	0	\$1,687
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	Approved by Board of Directors	2/4/2021	0	\$42,780
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Approved by Board of Directors	5/6/2021	0	\$34,392

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
18	Olsson	3287-000	Integrator Additional Site Visits	Approved by Board of Directors	5/6/2021	0	\$7,572
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	Approved by Board of Directors	6/3/2021	0	\$29,417
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	Approved by Board of Directors	6/3/2021	0	\$62,114
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	Approved by Board of Directors	6/3/2021	0	\$42,923
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	Approved by Board of Directors	9/2/2021	0	\$28,965
23	Olsson	3287-000	MCC-F1 Design Change	Approved by Board of Directors	9/2/2021		\$481,290
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	Within Contingency, reviewed by Engineering Committee	9/9/2021		\$67,839
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	Within Contingency, reviewed by Engineering Committee	9/9/2021		\$4,958

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	Within Contingency, reviewed by Engineering Committee	9/9/2021		\$8,444
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	Within Contingency, reviewed by Engineering Committee	9/9/2021		\$15,470
28	Olsson	3287-000	MCC-F1 Lighting Changes	Within Contingency, reviewed by Engineering Committee	9/9/2021		\$7,843
1CM Common	Butier	3231-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$48,995
1CM Liquids	Butier	3220-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$294,125
1CM Solids	Butier	3287-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$269,595
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$18,210
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$109,256
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$100,151

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 002	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)		-\$1,000
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)		\$5,000
PCO 005	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)		\$50,000
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1 and Relocation of MCC-F1	Potential Change	(blank)		\$350,000
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

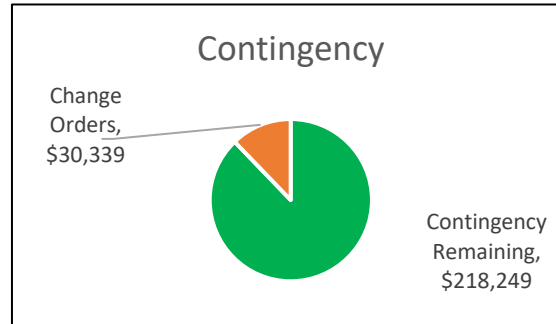
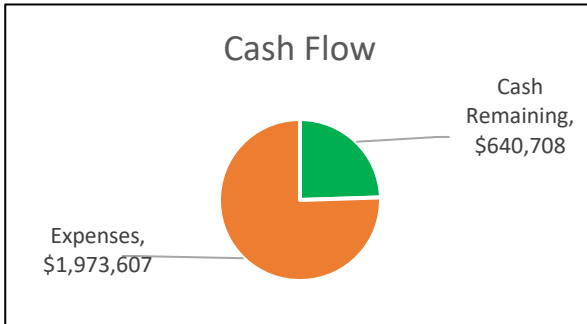
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	Potential Change	12/10/2020		\$10,000
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020		\$5,000
PCO 043	Olsson	3220-000	Telescoping Valve Pipe Support	Potential Change	(blank)		\$3,754
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020		\$27,884
PCO 066	Olsson	3287-000	DAFT 1 and 2 Repairs	Potential Change	(blank)		\$232,161
PCO 083	Olsson	3220-000	Plant 1 Primary Basins Additional Repairs and Replacement	Potential Change	(blank)		\$126,000
PCO 088	Olsson	3220-000	Plant 1 Primary Existing Coating Removal	Potential Change	(blank)		\$36,000
PCO 998	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	Potential Change	(blank)		-\$800,000
PCO 999	Olsson	3223-000	Energy Building Modifications Descope (F1-F4, G1-G2, & H1-H2)	Potential Change	(blank)		-\$600,000
Grand Total						190	\$1,543,023

Project Financial Status

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

Data Last Updated

September 23, 2021



Cash Flow

Collected	\$2,614,315
Expenses	\$1,973,607

Project Completion

Schedule	75%
Budget	46%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15949	\$ 3,107,346	\$ 30,339	\$ 3,137,685	\$ 1,491,244
Butier	16164	\$ 226,100	\$ -	\$ 226,100	\$ 105,105
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ 40,275
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ 190,459
Ninyo & Moore	16268	\$ 65,790	\$ 43,166	\$ 108,956	\$ 60,772
		\$ 4,064,354	\$ 73,505	\$ 4,137,859	\$1,887,855

Filanc Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ 30,339	\$ 218,249	12.2%
		\$ 248,588	\$ 30,339	\$ 218,249	12.2%

Summary of New Change Orders

Change Order No	CLB	EBSD	MNWD	SCWD	Amount
Grand Total					

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	Filanc	3541-000	Alternative Fiber Optic Conduit Installation at Jack and Bore	Approved by Board of Directors	6/3/2021	0	\$ 5,690
2	Filanc	3541-000	HDPE Pipe Price Adjustment	Approved by Board of Directors	9/2/2021	0	\$ 15,615
3	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	Approved by Board of Directors	9/2/2021	0	\$ 6,666
4	Filanc	3541-000	18-Inch VCP Sewer Line Conflicts	Approved by Board of Directors	9/2/2021	0	\$ 2,368

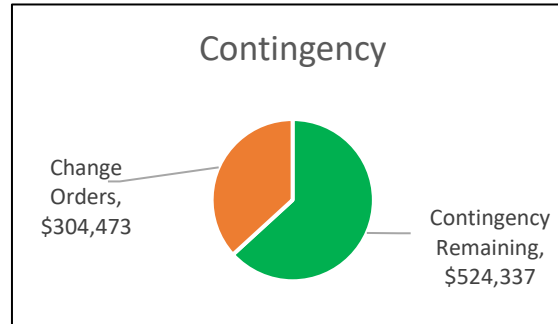
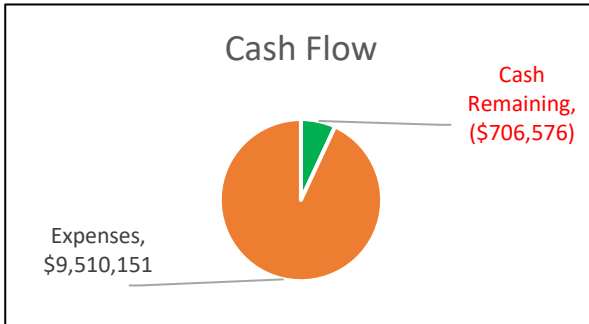
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 007	Filanc	3541-000	Lost Production with Equipment Movement	Potential Change	(blank)		\$ 21,552
PCO 008	Filanc	3541-000	Abandoned 4" PVC Water Line Interference	Potential Change	(blank)		\$ -
PCO 009	Filanc	3541-000	Wider Trench in Low Cover	Potential Change	(blank)		\$ 36,000
PCO 012	Filanc	3541-000	Jack and Bore Conflict	Potential Change	(blank)		\$ 110,000
PCO 013	Filanc	3541-000	Nesting Bird Restrictions	Potential Change	(blank)		\$ -
PCO 014	Filanc	3541-000	Abandoned 12" PVC Interference	Potential Change	(blank)		\$ 5,462
PCO 015	Filanc	3541-000	18-Inch VCP Sewer Line Conflict at Sta. 96+55	Potential Change	(blank)		\$ 6,199
PCO 016	Filanc	3541-000	ACWHEP Unknown Buried Concrete	Potential Change	(blank)		\$ 30,000
PCO 017	Filanc	3541-000	Encasement at Sta. 88+90 to 89+90	Potential Change	(blank)		\$ 3,516
Grand Total						0	\$ 243,068

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

September 23, 2021



Cash Flow

Collected	\$8,803,575
Expenses	\$9,510,151

Project Completion

Schedule	98%
Budget	96%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ (895,715)	\$ 8,313,285	\$ 8,106,713
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 812,228
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 284,376
		\$ 10,511,772	\$ (895,715)	\$ 9,616,057	\$9,203,317

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 304,473	\$ 524,337	36.7%
		\$ 828,810	\$ 304,473	\$ 524,337	36.7%

Summary of New Change Orders

Change Order No	CLB	EBS	MNWD	SCWD	Amount
Grand Total					

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	PCL	3539-000	Additional Potholing	Approved by Board of Directors	8/6/2020	0	\$ 22,936
2	PCL	3539-000	Gas Line Replacement	Approved by Board of Directors	8/6/2020	0	\$ 41,006
3	PCL	3539-000	Main Switchgear Building Underground	Approved by Board of Directors	8/6/2020	0	\$ 8,683
4	PCL	3539-000	Mud Valve Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 6,577
5	PCL	3539-000	Additional Anchor Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 15,271
6	PCL	3539-000	Slide Gate Concrete Repair	Approved by Board of Directors	8/6/2020	0	\$ 3,396
7	PCL	3539-000	Sludge Collector Wear Strips	Approved by Board of Directors	8/6/2020	0	\$ 5,304
8	PCL	3539-000	SCE Transformer Slab Box	Approved by Board of Directors	9/3/2020	0	\$ 4,378
9	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Approved by Board of Directors	10/1/2020	0	\$ 32,224
10	PCL	3539-000	Telescoping Valve Modifications	Approved by Board of Directors	10/1/2020	0	\$ 36,067
11	PCL	3539-000	Secondary Effluent Channel	Approved by Board of Directors	12/17/2020	0	\$ 5,153
12	PCL	3539-000	Portable Generator Tap Enclosures in Buildings 2 & 15	Approved by Board of Directors	12/10/2020	0	\$ 18,356

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
13	PCL	3539-000	Conduit, wiring, and mounting of LL1 fixtures	Approved by Board of Directors	12/10/2020	0	\$ 5,001
14	PCL	3539-000	MCC Feeder Credit	Approved by Board of Directors	2/4/2021	0	\$ (8,803)
15	PCL	3539-000	Switchgear Building Concrete	Approved by Board of Directors	3/11/2021	0	\$ 40,144
16	PCL	3539-000	Sludge Collector Mounting Plate	Approved by Board of Directors	3/11/2021	0	\$ 10,623
17	PCL	3539-000	Basin Leaking Crack Repair in East Secondaries	Approved by Board of Directors	3/11/2021	0	\$ 1,863
18	PCL	3539-000	Additional Spall Repair - Grit Channels	Approved by Board of Directors	3/11/2021	0	\$ 26,405
19	PCL	3539-000	Mixed Liquor Channel Remobilization	Approved by Board of Directors	3/11/2021	0	\$ 5,323
20	PCL	3539-000	Building 10 Roof Repairs	Approved by Board of Directors	3/11/2021	0	\$ 2,245
21	PCL	3539-000	Building 8 Gas Line Rerouting	Approved by Board of Directors	3/11/2021	0	\$ 717
22	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Approved by Board of Directors	6/3/2021	0	\$ 9,722
23	PCL	3539-000	Grit Chamber Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 3,888
24	PCL	3539-000	1/2" Ferric Line Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 784

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
25	PCL	3539-000	Helical Skimmer Wiring	Approved by Board of Directors	8/5/2021	0	\$ 1,072
26	PCL	3539-000	MCC 15 Unmarked Wire Chasing	Approved by Board of Directors	8/5/2021	0	\$ 6,138
27	PCL	3539-000	Unilateral Descope of Drainage Pump Station, East Basin RAS Channel, and West Secondary Sludge Collection Equipment	Approved	6/11/2021	0	\$ (1,200,188)
28	PCL	3539-000	Unilateral for 21 calendar days for weather and COVID-19 delays	Approved	6/16/2021	21	\$ -
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 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 032	PCL	3539-000	DAF Stair Railing	Potential Change	(blank)		\$ (500)
PCO 038	PCL	3539-000	Aeration Channel Conflicts	Potential Change	(blank)		\$ 8,000
PCO 044	PCL	3539-000	Building 10 Wall Repair	Potential Change	(blank)		\$ 2,638

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 047	PCL	3539-000	West Telescoping Valve Improvements	Potential Change	(blank)		\$ 12,168
PCO 048	PCL	3539-000	West Secondary Effluent Channel	Potential Change	(blank)		\$ 20,000
PCO 050	PCL	3539-000	RAS Box Leaks	Potential Change	(blank)		\$ -
PCO 051	PCL	3539-000	Grit Grating Modifications	Potential Change	(blank)		\$ -
PCO 053	PCL	3539-000	West Grit Channel Unforeseen Conflicts	Potential Change	(blank)		\$ 10,294
PCO 055	PCL	3539-000	Extra Work in Generator Building	Potential Change	(blank)		\$ 3,000
PCO 056	PCL	3539-000	Wire Size for Storm Water Pump Panel	Potential Change	(blank)		\$ 3,714
PCO 057	PCL	3539-000	Power for Bldg 15 HVAC	Potential Change	(blank)		\$ 2,301
PCO 058	PCL	3539-000	Wiring for West Secondary Basins	Potential Change	(blank)		\$ 5,000
PCO 059	PCL	3539-000	Telescoping Valve Stand Modifications	Potential Change	(blank)		\$ 5,000
PCO 060	PCL	3539-000	Headworks Roofing Additions	Potential Change	(blank)		\$ 3,500
PCO 061	PCL	3539-000	Headworks bypass	Potential Change	(blank)		\$ 20,000
PCO 062	PCL	3539-000	Additional Ferric Area Work	Potential Change	(blank)		\$ 10,000
PCO 065	PCL	3539-000	SCE XFMR Slab Box	Potential Change	(blank)		\$ 20,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 066	PCL	3539-000	Ferric Tank LIT	Potential Change	(blank)		\$ 5,000
Grand Total						21	\$ (722,600)

Agenda Item

4.I.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Second GFOA Award for Excellence in Financial Reporting for the Comprehensive Annual Financial Report for Fiscal Year ended June 30, 2020

Summary/Discussion

Government Finance Officers Association of the United States and Canada (GFOA) has awarded the Certificate of Achievement for Excellence in Financial Reporting to South Orange County Wastewater Authority for its comprehensive annual financial report for the fiscal year ended June 30, 2020. The report has been judged by an impartial panel to meet the high standards of the program, which includes demonstrating a constructive “spirit of full disclosure” to clearly communicate its financial story and motivate potential users and user groups to read the report.

The Certificate of Achievement is the highest form of recognition in the area of governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management.

Recommended Action: Staff recommends to the Board of Directors to receive and file the document as an informational item.



Government Finance Officers Association

Certificate of
Achievement
for Excellence
in Financial
Reporting

Presented to

**South Orange County Wastewater Authority
California**

For its Comprehensive Annual
Financial Report
For the Fiscal Year Ended

June 30, 2020

Christopher P. Morill

Executive Director/CEO



**The Government Finance Officers Association of
the United States and Canada**

presents this

AWARD OF FINANCIAL REPORTING ACHIEVEMENT

to

Finance Department

South Orange County Wastewater Authority, California



The Award of Financial Reporting Achievement is presented by the Government Finance Officers Association to the department or individual designated as instrumental in the government unit achieving a Certificate of Achievement for Excellence in Financial Reporting. A Certificate of Achievement is presented to those government units whose annual financial reports are judged to adhere to program standards and represents the highest award in government financial reporting.

Executive Director

Christopher P. Morrill

Date: 8/26/2021

Agenda Item

5.A.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: J.B. Latham Treatment Plant Package B Liquids Contingency
[Project Committee 2]

Overview

As reported in the most recent Capital Improvement Construction Report and in Table 1 below, the Liquids portion of the Package B project is nearly out of contingency. In order to prevent delays, we are requesting the approval of additional contingency for the Liquids portion of the project. We are requesting an additional \$300,000 of contingency and budget for the J.B. Latham Package B Liquids (3220-000), bringing the total Liquids contingency to \$916,800 and the total project contingency to \$2,671,000 (15.4% of the original construction contract of \$17,325,000).

Table 1 – Current Package B Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$616,800	\$591,544	\$25,256	95.9%
Common	3231-000	\$96,800	\$67,205	\$29,595	69.4%
Solids	3287-000	\$1,657,400	\$1,358,026	\$299,374	81.9%
Total		\$2,371,000	\$2,016,776	\$354,224	85.1%

We currently have an estimated \$198,638 in potential change orders for the Liquids portion of the project as shown in Table 2.

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Table 2 – Potential Change Orders for Package B Liquids

PCO 039	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	\$5,000
PCO 045	3220-000	Telescoping Valve Pipe Support	Potential Change	\$3,754
PCO 050	3220-000	Telescoping Valves Rework	Potential Change	\$27,884
PCO 083	3220-000	Plant 1 Primary Basins Additional Repairs and Replacement	Potential Change	\$126,000
PCO 088	3220-000	Plant 1 Primary Existing Coating Removal	Potential Change	\$36,000
Total				\$198,638

The two major potential change orders are the Plant 1 Primary Basins Additional Repair and Replacement (PCO 083) and Plant 1 Primary Existing Coating Removal (PCO 088).

Fiscal Impact

As stated above, the current estimate for potential change orders is \$198,638. Because of the nature of this project, there may be additional change orders not yet identified and the cost of identified potential change orders may vary as we progress. We are therefore requesting an additional \$300,000 of contingency for the J.B. Latham Package B Liquids (3220-000), bringing the Liquids contingency to \$916,800 and the total project contingency to \$2,671,000 (15.4% of the original construction contract of \$17,325,000). Any change orders against the contingency will be presented to the Engineering Committee and the Board for approval. The additional contingency will allow us to continue to direct work to be completed without causing delay to construction.

Table 3 – Agency Allocation for the Requested Contingency

Member Agency	3220-000 Facility Improvements B – Liquids Area Improvements
CSJC	\$92,310.00
MNWD	\$69,240.00
SCWD	\$86,520.00
SMWD	\$51,930.00
Total	\$300,000.00

The recently approved Fiscal Year 2021/22 Capital Improvement Program Budget currently has \$2,850,000 for the Package B Liquids Project (3220-000) and the increase in contingency would also increase the FY 21/22 project budget by \$300,000 to \$3,150,000

As a reminder, we are also working through descoping several items that will reduce the construction contract amount for both Liquids and Common portions of the project. We are still working through the exact amount of the contract reduction but are currently estimating a conservative \$1,400,000 for the overall Package B Project. The items being descoped have already been identified in separate projects in the Fiscal Year 2021/22 CIP Budget.

Recommended Action: The Engineering Committee recommends to the PC 2 Board of Directors to approve the addition of \$300,000 of contingency to the J.B. Latham Package B Liquids Project (3220-000) for a total Liquids contingency of \$916,800 and to increase the project budget by \$300,000 to \$3,150,000 for the 21/22 FY.

Agenda Item

5.B.

Board of Directors Meeting

Meeting Date: October 7, 2021

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

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

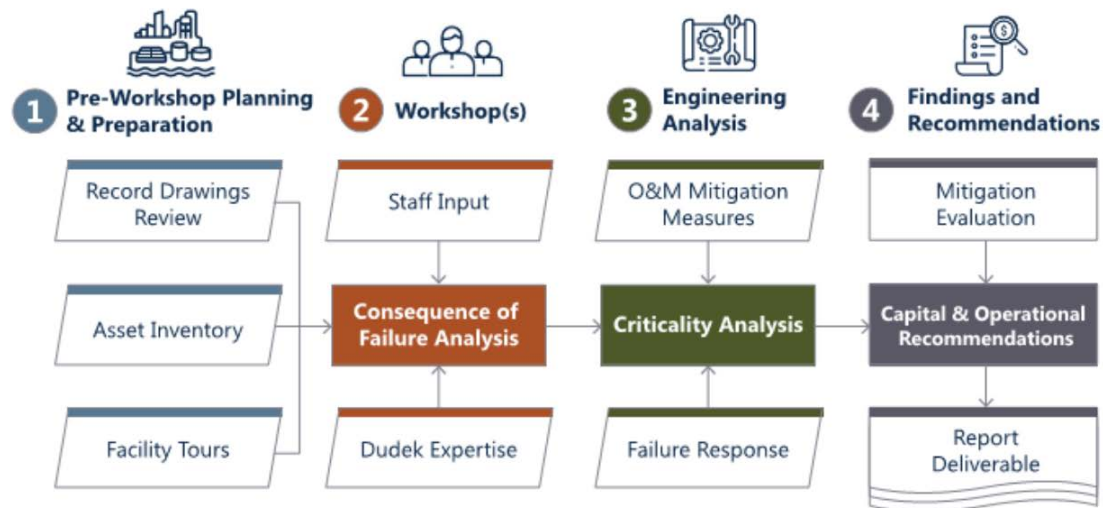
SUBJECT: Consequence of Failure Analysis for the Coastal Treatment Plant
[Project Committees 2, 15, and 17]

Overview

The Engineering Committee and SOCWA Staff are requesting approval to complete the Consequence of Failure Analysis (CoFA) for the Coastal Treatment plant for a fee of \$49,970. A CoFA was completed for the J.B. Latham Treatment Plant earlier this year and staff plan to complete a CoFA for the Regional Treatment Plant early next year. The total fee for completing the CoFA at all three plants is expected to be around a total \$150,000.

Last year SOCWA conducted a series of workshops with Dudek to identify and rank key components of the J.B. Latham Treatment Plant in a consequence of failure analysis (CoFA). The results will be used to update the Ten Year Plan and to provide clear direction on future projects and their timing. The CoFA process uses a scoring system to identify the consequence of a failure, the probability of that failure, and a weighting factor for specific categories. The end result is a risk designation for each item analyzed.

Figure 1 – Consequence of Failure Analysis Flow Chart



The final report for the J.B. Latham Treatment Plant was presented to the Engineering Committee in September 2021.

The same format for the CoFA is planned be completed for the Coastal Treatment Plant starting later this year and early next year SOCWA staff plan on doing the same process for the Regional Treatment Plant. Once all three plants are completed, this information will be used in the Ten Year Plan to help adjust the priority for identified projects.

Financial Status

The J.B. Latham CoFA was completed for a fee of \$49,510. The CoFA for the Coastal Treatment Plant and the Regional Treatment Plant are budgeted for the current fiscal year under projects 45226L and 47224C respectively for each plant for \$50,000 each. The proposal for the Regional Treatment Plant will be presented separately. The total fee for completing all three plants is expected to be around a total of \$150,000.

Table 1 – Cost Allocation for Project 45226L-000 Consequence of Failure Analysis

Agency	Dudek CoFA	Budget
CLB	\$18,943.85	\$18,955.22
EBS	\$1,491.64	\$1,492.54
MNWD	\$14,618.09	\$14,626.87
SCWD	\$14,916.42	\$14,925.37
Total	\$49,970.00	\$50,000.00

Recommended Action: The Engineering Committee recommends to the PC 15 Board of Directors to approve the award to Dudek for the Coastal Treatment Plant Consequence of Failure Analysis (45226L-000) for a total fee of \$49,970.

Agenda Item

6.A.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Approval of SOCWA Vendors for Purchasing by SOCWA Staff

Summary/Discussion

The SOCWA Finance Committee met on September 21, 2021 and at that meeting discussed revisions to the Uniform Purchasing Policy and Procedures (“Policy”) to authorize at the level of the Board items of spending where the vendor or supplier has cumulated more than \$50,000 in orders over time since 2016. The purpose of the discussion was to allow for Board input to the list of vendors. SOCWA staff approaches small purchases from the standpoint of availability of the supply, quality of the materials, consistency in delivery or performance history with SOCWA and selection of competitive pricing in alignment with Section VI.2. of the Policy. Based on the existing policy specific item pricing is compared for single item purchases where the item is valued over \$5,000 or more.

Staff has reviewed its open requisitions for the period September 21, 2021 to September 29, 2021 and attached is a list of small value purchases from vendors which the Board may consider to be serial or like in nature. The Policy directs that “serial purchase orders may not be used to make expenditures for the same discretionary item where in total the amounts exceed the spending authorization limit.” Since the expenditure limit for the General Manager is capped at \$50,000, staff has assembled for the small value purchases list those vendors who have received orders over time that, in total, would be greater than \$50,000. In order to meet the expectations of the Board, staff is seeking authorization to continue purchasing from the identified vendors for the type of supplies and services identified in the attached list using the procedures outlined in the Policy. Staff is requesting authorization to spend in alignment with the overall budget at the Project Committee level for these services, supplies, equipment and acquisitions from the listed vendors.

As requisitioning for services and supplies happens on a daily basis related to SOCWA ongoing operations and work, an updated list current through the October 7, 2021 Board meeting will be provided at the meeting. In summary, the vendors staff seeks approval to utilize for requisitioning are:

- Mariposa Landscaping, for individual tree removal and trimming services not within the existing contract (previously approved by the Board).
- Crown Facility Solutions, for janitorial supplies not within the existing contract (previously approved by the Board).
- South Coast Distributing and Staples, for janitorial, kitchen and paper product supplies, office supplies and equipment.
- Applied Industrial Technologies, Inc. for electrical parts.
- McMaster-Carr, Grainger and Pacific Mechanical Supply for equipment, tools, general supplies, PPE, other goods utilized for operations and maintenance.
- Microtech Scientific and MCR Technologies for laboratory supplies, consumables and equipment.

- Charles P. Crowley and Vaughan Industrial Repair for items related to specific required replacement parts from original equipment manufacturers. These two vendors may also provide repair services from time to time, as an example WemCo Pump Repairs.
- CDW Government, Inc. for IT equipment, software and services.
- Mesa International for EPA certified calibration gas, parts and services for specific original equipment manufactured and in use at SOCWA, as an example calibration equipment for the continuous emissions monitoring system for the CoGen Engines.
- Dudek & Associates, on call engineering services support.

Into the future, staff is requesting general authorization to continue to operate and maintain its facilities and services and staff seeks approval to deliver to the Board each month a list of requisitions for supplies, parts, services, equipment, tools, PPE, safety items, and other frequently utilized items for vendor approval by the Board. Staff also seeks approval, where necessary to continuing operations, to purchase items from vendors and report at the next Board meeting for vendor approval.

Over the next month, staff will also be preparing a list of sole source vendors where SOCWA has made a commitment by the purchase of manufactured equipment that requires utilization of the services, supplies and maintenance by specific vendors in support of existing facilities. Staff will be seeking at the November Board meeting authorization to continue utilization of the sole source vendors.

Recommended Action: Board of Directors authorizes the General Manager to:

1. Utilize the listed vendors for the acquisition of supplies, parts, services, equipment, tools, PPE, safety items and other frequently utilized items where the same may be serial or like in nature.
2. As a general authorization, the General Manager may continue to operate and maintain SOCWA facilities and services and staff is allowed to seek ratification by delivering to the Board each month a list of requisitions for supplies, parts, services, equipment, tools, PPE, safety items, and other frequently utilized items for Board approval of the continuing use of the identified vendor.
3. Where necessary to continuing operations, staff may continue purchases and report at the next following regular Board meeting for vendor ratification or approval.

Open Vendor Requests from 9-20-2021 through 9-29-2021

Vendor	Item	Contract Value	Req#	Dept
Mariposa Landscapes, Inc	RTP removal of Pine Tree	\$2,825.13	9627	O&M
Crown Facility Solutions	Antibacterial hand soap 4-1 gallon bottles	\$50.70	9626	Admin
South Coast Distributing Co. Inc	9" Paper Plates #GG-P9	\$36.90	9625	Admin
	FOLGERS REGULAR COFFEE PACKETS #COFPK	\$35.90	9625	Admin
	DISINFECTANT, LYSOL SPRAY, 19-OZ. CAN	\$83.90	9625	Admin
	LIQUID SOAP, DIAL 4/1-GAL	\$58.90	9625	Admin
	MULTIFOLD TOWELS	\$33.90	9625	Admin
	Spoons for dispensers	\$38.90	9625	Admin
	Forks for dispensers	\$38.90	9625	Admin
Applied Industrial Technologies, Inc.	DODGE TAIM MOTOR MOUNT ASSY	\$401.29	9624	O&M
	BIJUR DELIMON LUBESI-U1103A 45 DEG 1/8 MALE NPT X 1/8 FEMALE	\$64.90	9606	O&M
	BIJUR DELIMON LUBESI-20-6 45 DEG 1/8 FEMALE NPT X1/4-28 MALE	\$75.10	9606	O&M
McMaster-Carr	Air-Powered Hydraulic-Fluid and Air Evacuator	\$199.73	9620	O&M
	Rope Compression Sleeve for 1/16" diameter #3633T2	\$26.65	9602	O&M
	Multidiameter Compression Tool #3582T1	\$234.21	9602	O&M
Microtech Scientific Inc	QP-00403-EA MNWD White 63-400 Unlined Polypropylene Caps ea	\$0.30	9619	Lab
	NPF Blue Large Nitrile Latex-Free Powder-Free gloves 100/bx	\$20.23	9619	Lab
	Nitrile Gloves BLUE Powder Free SM Textured 5.5 mil	\$20.23	9619	Lab
	EC STANDARD 1413US, CONDUCTIVITY TDS SOLUTION, 500mL	\$21.39	9619	Lab
	Evolution One™ MED Latex Gloves, Microflex	\$22.82	9619	Lab
	BUFFER STANDARD, pH7, YELLOW, 4L	\$34.34	9619	Lab
	GLASS FIBER FILTERS, 47mm, 100/PK	\$48.51	9619	Lab
	DPD Total Chlorine Reagent, SwifTest™ Refill Vial	\$56.20	9619	Lab
	PIPET, SEROLOGICAL GLASS, DISPOSABLE 10mL, IND. WRAPPED	\$280.79	9619	Lab
	Aluminum Weighing Dishes, 63mm, 12pk/cs	\$340.81	9619	Lab
	ACETATE BUFFER pH4, CHLORINE 20L	\$360.81	9619	Lab
	pipet, serological glass, disposable 5mL 500	\$376.00	9619	Lab
	Medline 50mL Centrifuge Tubes 500/cs	\$227.32	9600	Lab
	Nuclease-Free Water Ultrapure Thermo Scientific 1L ea	\$60.42	9600	Lab
	Aluminum Weighing Dishes, 63mm, 12pk/cs	\$340.81	9594	Lab
Charles P. Crowley Company Inc.	AC DRIVE 1/2HP, 115V. PART #NP530509-000 FOR BLEACH PUMP #3.	\$1,050.00	9618	O&M
	BARKSDALE DIAPHRAGM PRESSURE SWITCH Single Set Point	\$299.00	9609	O&M
CDW Government, Inc.	4 Ergonomic Wireless Keyboard and Mouse	\$368.81	9617	O&M
MESA INTERNATIONAL Technologies, Inc.	A030-166018PM2NE 18 PPM NITRIC OXIDE GAS #D2 45 PPM CO2	\$645.00	9612	O&M
	A030-16605PM1NE 5 PPM NITRIC OXIDE 12.5 PPM CARBON MONOXIDE	\$580.00	9612	O&M
	A030-166077PM1NE 77 PPM NITRIC OXIDE GAS #D3 324 PPM CARB	\$645.00	9612	O&M
	REPAIR MULTITEC 540 -LABOR - TROUBLESHOOT AND REPAIR	\$350.00	9611	O&M
Dudek & Associates	CTP AWMA Road Repair	\$19,000.00	9610	Eng
Pacific Mechanical Supply	6" 150# swing check valve Kennedy	\$2,605.34	9605	O&M
	VLV10 INCH DEZURIK PLUG GS-6-HD12	\$3,580.00	9601	O&M
	2.2 TUB GRUVLOK XTREME LUBRICANT CLEAR SILICONE (6)	\$1,239.60	9596	O&M
Grainger, Inc.	12V DC Lifting Electric Winch, Item#: 55HA58	\$827.40	9603	O&M
Vaughan's Industrial Repair, Inc.	APPLIED PUMP #1. PUMP REBUILD.	\$11,134.50	9597	O&M
MCR Technologies, Inc.	60-6700-062 Pump tubing for 5800/4700 and 6700 Series/Avala (5)	\$680.00	9591	Lab
	60-6700-062 Pump tubing for 5800/4700 and 6700 Series/Avala (10)	\$1,360.00	9588	Lab
Staples Advantage	Post-it Durable Tabs, 2" 867132 (10)	\$57.90	9589	Admin

Agenda Item

6.B.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: AdHoc Committee for Alternative Wastewater Delivery

The General Manager attended an AdHoc Committee meeting for Alternative Wastewater Delivery held on Tuesday, September 28, 2021 at the offices of the Moulton Niguel Water District. The meeting was attended in person by Ms. Burnett, Director Collings and Alternate Director Cafferty with Director Ferons and Marc Serna of the South Coast Water District staff joining by phone. Directors Collings and Ferons explained their effort to identify the data they would need to prepare their proposal. They explained that data will be requested from SOCWA staff and a list is being prepared and will be provided on October 1, 2021.

Examples were provided as to the type of data and information needed from SOCWA, including: (i) plant operations information such as the “how and why” as to SOCWA’s approach to plant operations, (ii) specific wastewater characteristics (BOD, TSS), (iii) use of chemicals in the treatment process, (iv) deployment and use of SCADA systems, (v) qualifications and distribution of staffing across work sites, (vi) concepts for new approaches.

SCWD representative Marc Serna requested that for items of data asked to be developed by SOCWA staff, that the requests identify the purpose for asking for the data.

Ms. Burnett indicated SOCWA staff will fully cooperate to provide any and all information requested as soon as it is possible for the staff to assemble a response.

In order to keep the Board informed of the progress of the Committee Ms. Burnett asked that Director Collings provide a regular update to the SOCWA Board.

With the concurrence of the Board Ms. Burnett plans to present a summary of the data provided to the Committee at each Board meeting as the data is developed and delivered.

Recommended Action: Board to receive reports as follows:

1. Update of Board Chair
2. GM update – Requests for Information to SOCWA staff

Board discussion and direction.

Agenda Item

6.C.

Budgeted: No
Budget Amount: N/A
Legal Counsel Review: N/A
Meeting Date: 10/7/2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: Utility Partnership Coordination for Evidence Based Science Decisions

Summary

On November 5, 2020, SOCWA staff presented the science and regulatory actions that are driving recycled water and NPDES permitting costs to the SOCWA Board of Directors. At that SOCWA Board meeting, SOCWA Board Member, Dan Ferons, submitted a statement to SOCWA Board Chair Dennis Erdman noting the opportunity to review the regulatory common interests. In the intervening period, competing demands across regulated entities for point and nonpoint sources have been identified and significant work is underway for the development of scientific tools to address water quality objectives. This work includes oversight by a collaborative group of science advisors coordinating with SOCWA.

Acknowledging the need to resolve competing regulatory demands, the San Juan Basin Project Collaboration Forum (herein referred to as, Forum) has developed to serve as an additional avenue to further enhance research actions to ensure that developing projects can move through regulatory hurdles across the San Juan Watershed. At the September 2021 San Juan Basin Authority (SJBA) meeting and through discussion with the SJBA Administrator, a list of potential research projects is in development. The SDRWQCB recently passed Resolution R9-2021-0007, updating their practical vision ‘to bring the best ‘evidence based’ science, analysis, and objective advice to its decisions to restore and maintain the chemical, physical, and biological integrity of the Region’s waters”. Evidence based science was included by Vice Chair Olson during the comment period at the September 2021 Board meeting. A potential model would be to utilize the SJBA Forum and SOCWA developed science project list for the formulation of a Utility Partnership focused on developing science.

As a regional and responsible agency for administration of the NPDES and Recycled Water Master permits and fifty-eight stormwater diversions oversight, SOCWA is well positioned to facilitate the development of science-based policy needs. A needs assessment and detailed articulation of projects managed at SOCWA and concepts for additional evaluation and participation of state and local initiatives will be provided at the November SOCWA Board meeting in coordination with the SJBA. Through this effort, the SOCWA Board may desire to appoint a spokesperson for regional scientific and engineering issues. Advocacy would focus on areas that drive regulatory costs.

Recommended Action: This is an information item; comments and questions are appreciated.

Agenda Item

6.D.

Board of Directors Meeting

Meeting Date: October 7, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Passage of AB 361 – Allowing for Virtual Meetings - Findings and Approval to continue virtual meetings

BACKGROUND

On March 4, 2020, the Governor declared a state of emergency arising from the Covid-19 pandemic. Shortly thereafter, the Governor issued Executive Order N-29-20, which suspended certain Brown Act meeting requirements, and allowed for virtual or telephonic meetings. Governor Newsom’s most recent Executive Order N-08-21 established a September 30, 2021 end date on the ability to hold virtual or telephonic public meetings under N-29-20. Thereafter, public meetings would be required to fully comply with the Brown Act which would return meetings to an in-person format with the option for attendees to participate via teleconference, subject to various agenda, accessibility and noticing requirements. In light of the recent passing of AB 361, discussed more fully below, this item provides an update from General Counsel and staff’s recommendation to continue with virtual Board meetings until the Board declares that the state of emergency no longer impacts the ability of the members to meet safely in person, or until state and local officials no longer impose or recommend measures to promote social distancing, or both.

DISCUSSION

Assembly Bill No. 361 passed on September 10, 2021 and was signed by the Governor on September 15, 2021. The bill included an urgency clause, which means that the new law became effective immediately upon being signed by the Governor. AB 361 amends the Brown Act and allows for public organizations to continue using virtual meetings through January 1, 2024 if any of the following circumstances are met:

- (A) The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
- (B) The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
- (C) The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

In accordance with AB No. 361, when a board wants to continue holding virtual meetings because a state of emergency continues, the board must make findings every 30 days that 1) the Board has reconsidered the circumstances of the state of emergency and 2) the state of emergency

continues to directly impact the ability of the members to meet safely in person or state or local officials continue to impose or recommend measures to promote social distancing.

THEREFORE, STAFF RECOMMENDS THE BOARD OF DIRECTORS:

1. Reconsider the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
2. Declare that the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. Approve for the upcoming 30-day period, October 7, 2021 to November 4, 2021 regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with Public Notice and Public Participation requirements.
4. Direct Staff to place AB 361 findings on the November regular Board meeting agenda, so that the Board can at that point in time reconsider and make a determination regarding meetings for the next 30-day period.

Agenda Item

6.E.

Board of Directors Meeting

Meeting Date: October 7, 2021

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

ENVIRONMENTAL

Use Audit

The annual use audit raw data and tables were reviewed by Engineering Committee on August 12, 2021 and September 9, 2021. The use audit was programmed into Hach WIMS to improve efficiencies through automated reporting this year. At the September 9, 2021 Engineering Committee, the usage data was accepted with a few clean up comments provided by Engineering Committee members. Contained herein are the tables for each project committee to be utilized in the reconciliation of the use audit for FY 20-21.

Table 1: PC2 Distribution

PC2 - JB Latham Plant				
Liquids Summary (mgd)				
	2020-2021			Percent Distribution (%)
Member Agency	Budgeted Flow (mgd)	Budgeted (%)	Total	
CSJC	2.07	33.06%	2.208	31.15%
MNWD (1)	1.40	22.36%	1.400	19.76%
SCWD	1.69	27.01%	1.684	23.76%
SMWD (1)	1.10	17.57%	1.795	25.33%
Total	6.26	100.00%	7.087	100.00%

(1) Please refer to the MNWD & SMWD Agreement from 2018 for flow/solids splitting in the Oso-Trabuco line. The MNWD agreed upon flow was 1.4 MGD. The Oso Trabuco line includes flow from SMWD and MNWD from upstream facilities. The flow difference between the 1.4 MGD constant for SMWD is subtracted from the total Oso-Trabuco flow to obtain the flow attributed to SMWD.

Solids Summary Loading (pounds)				
	2020-2021			Percent Distribution (%)
Member Agency	Budgeted (Pounds)	Budgeted (%)	Billing Flow (mgd)	
CSJC	5706	27.34%	6318	24.08%
MNWD (2)	3859	18.49%	4006	15.27%
SCWD	5181	24.83%	6035	23.00%
SMWD (2)	6122	29.34%	9882	37.66%
Total	20868	100.00%	26242	100.00%

(2) Please refer to the MNWD & SMWD Agreement from 2018 for solids splitting. Total solids for SMWD calculated by total flow in the Oso Trabuco line (3.195 mgd) multiplied by the average of TSS and BOD loading then subtracting the constant based MNWD loading from the total.

Table 2: PC12 Distribution

PC 12 Recycled Water		
Master Recycled Water Permit		
FY 2020-2021		
Member Agency	Region 9 Recycled Production (af)	% RW Produced
CSJC	417	2.65
MNWD	6562	41.72
SCWD	1088	6.92
SMWD	7084	45.03
TCWD	579	3.68
Total	15731	100.00

Table 3: PC15 Distribution

PC 15 Actual Flows		
FY 2020-2021		
Coastal Treatment Plant		
Member Agency	Plant Flows (MGD)	Plant Flow (%)
CLB	1.566	58.11
EBSD	0.078	2.89
SCWD	1.051	38.99
MNWD	0.00	0.00
Total	2.69	100.00

Table 4: PC17 Distribution

PC 17 Liquids				
Regional Treatment Plant				
FY 2020-2021				
Member Agency	Plant Flow (MGD)	Centrate Flow (MGD)	Total Flow (MGD)	Liquid Flow (%)
CLB	0.00	0.01307	0.00759	0.09802
EBSD	0.00	0.00066	0.00002	0.00025
SCWD	0.00	0.00870	0.00339	0.04376
ETWD	0.00	0.01529	0.01529	0.19737
MNWD	7.66	0.06623	7.72220	99.66060
Total	7.66	0.10395	7.74850	100.00

PC 17 Solids		
Regional Treatment Plant		
FY 2020-2021		
Member Agency	Pounds/ Day	Pounds (%)
CLB	4514.39	12.46
ETWD	5329.55	14.71
EBSD	223.74	0.62
MNWD	23154.71	63.90
SCWD	3016.21	8.32
Total	36238.61	100.00

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Salt and Nutrient Management Plan

On August 19, 2021 SOCWA submitted the updated and final Salt and Nutrient Management Plan (SNMP) to the San Diego Regional Water Quality Control Board (SDRWQCB). The SDRWQCB has six months from time of receipt to take board action on the submitted plan. The Board can either reject or accept the SNMP as required by the 2018 Recycled Water Policy. SOCWA also provided a letter of support on August 19, 2021 for the Triennial Review to update water quality objectives related to the Middle San Juan and Middle Trabuco Hydraulic SubAreas as identified in the SNMP.

Water Quality Fee Increases

On September 15, 2021, the State Water Resources Control Board approved increases in fee structures for programs under their authority. There are several categories that affect SOCWA fees: the NPDES permit fee, the Waste Discharge Requirements permit fee, the Stormwater Permit fees, and the ELAP Laboratory Certification fee. The NPDES Wastewater unit was reported to have a \$4.3 million deficit translating to an average increase of 11.9 percent. The NPDES Stormwater program was reported to have a \$6.1 million deficit translating to a 17.9 percent increase. The WDR program was reported to have a \$6.0 million deficit translating to a 16.8 percent increase. The ELAP program was reported to have a \$4.35 million deficit, translating to a 15.9 percent increase. The table below provides a summary of the projected increases which are expected to be approximately \$58,243 2021-2022 FY. This may require a budget adjustment for PC 5, 24, and 12 before the close of the Fiscal Year.

PC & Fee Category		Increased Fee (%)	Total Increase (\$)	Projected Budget FY 22-23
NPDES				
PC5	\$ 228,970.00	11.9	\$ 27,247.43	\$ 256,217.43
PC24	\$ 216,921.00	11.9	\$ 25,813.60	\$ 242,734.60
Stormwater				\$ -
PC2	\$ 1,400.00	17.9	\$ 250.60	\$ 1,650.60
PC17	\$ 1,400.00	17.9	\$ 250.60	\$ 1,650.60
PC15	\$ 1,400.00	17.9	\$ 250.60	\$ 1,650.60
WDR				\$ -
PC12	\$ 20,362.00	16.8	\$ 3,420.82	\$ 23,782.82
ELAP				\$ -
All PCs	\$ 6,352.00	15.9	\$ 1,009.97	\$ 7,361.97
Average % Increase & Totals		15.7%	\$ 58,243.61	\$ 535,048.61

Summary Table of Increases

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Report of Waste Discharge

Order No. R9-2012-0012 (NPDES CA0107417) regulates the discharge of wastewater from the San Juan Creek Ocean Outfall (SJCOO) to the Pacific Ocean from SOCWA and its member agencies. SOCWA originally submitted an RWD in application for renewal of NPDES CA0107417 on November 28, 2016. An Amended RWD was submitted by SOCWA to the RWQCB on May 30, 2018. The May 2018 Amended RWD addressed co-mingling up to 9.4 mgd of brine from the proposed Doheny Desalination Project (DDP) in the SJCOO. Subsequent revised versions of the Amended RWD were submitted to the San Diego Regional Water Quality Control Board (SDRWQCB) on March 13, 2020 and December 14, 2020. The RWQCB responded to these submittals in comment letters dated:

- December 30, 2016,
- January 30, 2017,
- July 11, 2018,
- May 26, 2020,
- March 26, 2021,
- June 7, 2021, and
- August 9, 2021.

On November 7, 2019, the SOCWA Board approved inclusion of the Doheny Desal project in the RWD. The subsequent submittals included addressing the brine mixing zone, dilution rate based on discharge, Ocean Plan compliance, additional monitoring program parameters, and the inclusion of a list of supplemental environmental projects as requested by the SDRWQCB. The following list of potential projects was included in the final submittal on September 29, 2021:

- Kelp Forest Restoration
- Aliso Creek Estuary Restoration
- Buena Vista Lagoon Enhancement Project
- Batiquitos Lagoon Restoration
- San Elijo Lagoon
- San Dieguito Lagoon Wetland Acquisition
- San Juan Creek Estuary Restoration Opportunities Assessment
- Los Penasquitos Lagoon Restoration Design and Feasibility Study
- Marine Protected Area (MPA) Management and Protection Support

The SCWD would fund the supplemental environmental project. The NPDES is scheduled for adoption in either December of 2021 or February of 2022 providing member agencies an opportunity to advocate for projects that may be mutually beneficial. SOCWA will include a support letter for consideration through the public adoption process.

PFAS

SOCWA completed PFAS sampling and report submittal for four quarters of required sampling as required by Order 2020-2015-0015-DWQ pursuant to Water Code sections 13267 and 13383. There were over one hundred reports uploaded to the Geotracker database during this time. The trend in treatment plant data remained generally consistent across all ten facilities. The final portion of the special study is to complete summary reports of the results of the sampling events. Results of the PFAS investigation will be provided to Engineering Committee.