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

B. Burnett

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

AGENDA

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

To Be Held by Teleconference on:
August 6, 2020

Closed Session at 8:30 a.m.
Open Session at 9:00 a.m.
(or immediately following the Closed Session)

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST **SEVENTY-TWO** (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST **SEVENTY-TWO** (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN **SEVENTY-TWO** (72) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

FOR MEETING PARTICIPATION:

***OPEN SESSION* TELECONFERENCE PHONE NUMBER: 213-279-1455**
TELECONFERENCE ID: 817 635 745

1. CALL MEETING TO ORDER

2. PLEDGE OF ALLEGIANCE

3. REPORT OF THE NOMINATING COMMITTEE FOR SELECTION OF OFFICERS FOR THE BOARD OF DIRECTORS – FISCAL (FY) 2020/2021

   ACTION: The SOCWA Board of Directors to elect/appoint Officers to serve the Authority during FY2020/2021

4. CLOSED SESSION

A Closed Session conference with General Counsel Potential Litigation in one matter Pursuant to Government Code Section § 54956.9

5. RECONVENE BOARD REGULAR MEETING TO OPEN SESSION at 9:00 a.m., AND REPORT OUT OF CLOSED SESSION

6. 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

7. CONSENT CALENDAR

A. Minutes of Board of Directors Meeting 1
   1. Board of Directors Special Meeting May 14, 2020
   2. Board of Directors Budget Workshop May 21, 2020
   3. Board of Directors Regular Meeting June 4, 2020

ACTION The Board will be requested to approve subject Minutes

B. Minutes of Finance Committee Meeting 21
   1. Finance Committee Meeting April 21, 2020
   2. Finance Committee Meeting May 12, 2020

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

C. Minutes of Engineering Committee Meeting 29
   1. Engineering Committee Meeting February 13, 2020
   2. Engineering Committee Meeting March 12, 2020
   3. Engineering Committee Meeting June 11, 2020

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

D. Operational Reports – May 2020 41
   1. Monthly Operations Report – May 2020
   2. Ocean Outfall Discharges by Agency
   3. Beach Ocean Monitoring Report
   4. Recycled Water Report

ACTION: The Board will be requested to receive and file the May 2020 Operations Reports as submitted

E. Operational Reports – June 2020 78
   1. Monthly Operations Report Fiscal Year 2019/2020 – June 2020
   2. Ocean Outfall Discharges by Agency
   3. Fiscal Year Report on Key Operational Expenses
   4. Beach Ocean Monitoring Report

5. Recycled Water Report
6. Pretreatment Report – (June & July 2020)

ACTION: The Board will be requested to receive and file the June 2020 Operations Reports as submitted

F. Capital Improvement Program Status Report 127

ACTION: The Board will be requested to receive the reports as submitted

G. Capital Improvement Program Project Financial Status and Change Orders 142

ACTION: Staff recommends the Board of Directors to approve the following change orders:

1. Change orders 5 through 9 totaling $82,626 for the Olsson Contract for PC 2;
2. Changer orders 1 through 7 totaling $103,173 for the PCL contract for PC 15; and
3. Change orders 1 through 7 totaling $97,761 for the Filanc contract for PC 17

As shown in the Capital Improvement Program Project Financial Status Report.

8. GENERAL MANAGER'S REPORTS

A. FY 2019-2020 O&M Budget Update and Proposed Budget Amendments .....153 [PC 2, & PC 5]

ACTION: 1. Staff recommends that the PC-5 Board of Directors approve a FY 2019-2020 Budget Adjustment in the amount of $60,000.
2. Staff recommends that the PC-2 Board of Directors approve a FY2019-2020 Budget Adjustment in the amount of $140,000 (or amended amount).

B. Revised SOCWA Pretreatment Ordinance – Ordinance 2020-1; Revised SOCWA Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements – Diversion Policy 2020-1: First Readings..... 155

ACTION: 1. MOTION BY BOARD. That the Board of Directors conducts first readings of proposed Ordinance of Regulations for the Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area (Ordinance 2020-1) and Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements (Diversion Policy 2020-1)

2. CHAIRMAN RECITES COMPLETE TITLE OF ORDINANCE AND DIVERSION POLICY. "Ordinance 2020-1 – An Ordinance of Regulations for the Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area". "Diversion Policy 2020-1 - Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements".

3. MOTION BY BOARD. That the Board of Directors waives reading of the complete text of Ordinance 2020-1 and Diversion Policy 2020-1

4. MOTION BY BOARD. That the Board of Directors calls a public hearing to receive public comments on Ordinance 2015-1 and Diversion Policy 2020-1 for the next regular Board Meeting to be held on September 3, 2020, and directs Secretary and legal counsel to publish a Notice of Public Hearing one time in a newspaper of general circulation in the SOCWA service area, and post the Notice on SOCWA's website and the agenda posting board.

C. General Manager's Status Report.....215

ACTION: Information and Discussion

9. 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-this are present a unanimous vote.]

ADJOURNMENT

The next Regular SOCWA Board Meeting will be held on September 3, 2020 at 8:30 a.m.

Agenda Item 3

Board of Directors Meeting
Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

SUBJECT: Report of the Nominating Committee for Selection of Officers for the Board of Directors – Fiscal Year (FY) 2020/2021

Background

The annual election of officers for SOCWA is typically scheduled for the June Board meeting. The Chairman and Vice-Chairman are selected along with the Secretary/Treasurer and an Assistant Secretary of the Board of Directors. The General Manager is typically selected to serve as the Secretary/Treasurer and the Executive Assistant as the Assistant Secretary.

At the May Board Meeting Chairman Ferons appointed a Nominating Committee comprised of Director Collings and Director Dunbar to recommend nominees for each position. The table below specifies the Nominating Committee's recommendations for FY2020/21. The Nominating Committee is prepared to offer a recommendation to the Board of Directors for the election/appointment of officers to serve for FY2020/2021.

At the June Board Meeting, Director Collings and Director Dunbar requested additional time evaluate the Nominees, and they would give their recommendations at the next Board of Directors Meeting in August 2020.

NOMINATING COMMITTEE RECOMMENDATIONS – FY2020/2021

Officer	***Nominee***
Chairman	To be announced
Vice-Chairman	To be announced
Secretary/Treasure	Betty Burnett, General Manager
Assistant Secretary	Danita Hirsh, Executive Assistant

Recommended Action: The SOCWA Board of Directors to elect/appoint Officers to serve the Authority during FY2020/2021.

DRAFT

MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Board of Directors

May 14, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on May 14, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

DAN FERONS	Santa Margarita Water District	Director
DENNIS ERDMAN	South Coast Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director
RAY MILLER	City of San Juan Capistrano	Alternate Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
DAVE REBENSDORF	City of San Clemente	Director

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
RONI GRANT	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTINTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE CONTINOLA	Procurement & Contracts Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law Firm
DENNIS CAFFERTY	El Toro Water District
FERNANDO PALUDI	Trabuco Canyon Water District
TREVOR AGRELIUS	Moulton Niguel Water District
MARC SERNA	South Coast Water District

1. CALL TO ORDER

Chairperson Ferons called the meeting to order at 8:37 a.m.

2. PLEDGE OF ALLEGIANCE – Chairman Ferons

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Ms. Burnett noted a correction on agenda item 4.F. that the report to be filed is for March 2020, not February as specified on the agenda.

Ms. Burnett informed the Board on agenda item 4.J.4., noting the Operations Quarterly Report on Key Operational Expenses included orders that remained outstanding on the spending. She asked Mr. Burror to provide further details.

Mr. Burror stated on page 144 of the Board packet, noting on the pie chart that 54% of Small Internal Capital Costs is "in-process" due to an interruption of supply chains. He also stated that a lot of equipment orders had been placed, but not fulfilled as far back as November, and that there may be a need to carryover some of the Small Internal Capital Funds to FY2020/2021 so that there is money available to pay for the equipment when it arrives.

Director Erdman commented on the Excursion, Complaint, and Violation charts on pages 91, and 128. He commended SOCWA staff on behalf of the Board for their accomplishments of maintaining all 0's across the categories month by month.

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Dunbar to approve the Consent Calendar with the correction to Agenda Item 4.F. with the correction of the Board to receive and file the March 2020 Financial Reports not February 2020.

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Dopudja	Aye
	Director Collings	Aye
	Director Reinhart	Aye
	Director Shissler	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Miller	Aye
	Director Rebensdorf	Aye

5. GENERAL MANAGER'S REPORT

A. Small Capital Fixed Gas Detector Purchases from MSA, Inc. for $271,595 (plus shipping and tax) [PC-2, PC-15, PC-17]

Mr. Burror reported that request for the gas detectors and strobe lights are to be installed in 37 locations throughout the JBL, CTP, and RTP Treatment Plants. He noted the items would be installed at very specific locations that the fire code identifies as having potentially atmospheric hazardous conditions. Such areas where there is raw sewage like the headworks or areas where there might be explosive gas, such as, a digester or digester building. He also noted that they are part of the Fire Code regulatory requirements.

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Dunbar to authorize the General Manager to purchase the 37 fixed gas detectors, associated explosion-proof housings, 26 strobe lights, and instrument calibrations at a cost of $271,595, including shipping and tax costs that will be determined at the time the units are shipped.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Collings	Aye
	Director Shissler	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Miller	Aye

B. Resolution 2020-06, A Resolution of the Board of Directors of South Orange County Wastewater Authority Adopting the Designation of Applicant's Agent Resolution of Non-State Agencies

ACTION TAKEN
Motion was made by Director Collings and seconded by Director Dopudja to approve Resolution No. 2020-06, A Resolution Adopting the Designation of Applicant's Agent Resolution of Non-State Agencies.

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Dopudja	Aye
	Director Collings	Aye
	Director Reinhart	Aye
	Director Shissler	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Miller	Aye
	Director Rebensdorf	Aye

C. Appointment of Nominating Committee for Selection of Officers for the Board of Directors – Fiscal Year 2020/2021

After the Board discussion, Director Collings, and Director Dunbar volunteered for the Nominating Committee for the recommendation of Selection of Officers for the Board of Directors for FY 2020-2021.

The Committee will provide their recommendation of Officers at the next Board of Directors Meeting in June.

No action was taken.

D. General Manager's Report

This was an information item; no action was required.

6. OTHER MATTERS

Director Ferons noted the Board Budget Workshop is scheduled for May 21, 2020.

Ms. Burnett noted the Finance Committee would not be meeting on May 19, 2020 as previously scheduled. She stated that all questions and comments were addressed regarding the pre-budget meetings for the proposed FY2020-2021 Budget.

The Board of Directors convened to Closed Session at 9:11 a.m.

7. CLOSED SESSION

A Closed Session Conference with Labor Negotiators Pursuant to Government Code Section § 54957 was conducted.

8. RECONVENE OPEN SESSION

The Board of reconvened to Open Session at 9:53 a.m., and took action on the following agenda items:

a. RESOLUTION NO. 2020-04: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Modification to Employee Manual For SOCWA Employees In The Bargaining Unit Regarding 3/12+4 Shifts

ACTION TAKEN
Motion was made by Director Dunbar and seconded by Director Freshley to approve Resolution No. 2020-04, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Modification to Employee Manual for SOCWA Employees In The Bargaining Unit Regarding 3/12+4 Shifts.

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Dopudja	Aye
	Director Collings	Aye
	Director Reinhart	Aye
	Director Shissler	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Miller	Aye
	Director Rebensdorf	Aye

b. RESOLUTION NO. 2020-05: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Modification To Employee Manual and Memorandum of Understanding To Allow For One Time Carry-Over Of Personal Days For SOCWA Employees

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Rebensdorf to approve Resolution No. 2020-05, A Resolution of the Board of Directors of the South Orange County Wastewater Authorigy Approving Modification to Employee Manual and Memorandum of Understanding to Allow for One Time Carry-Over of Personal Days for SOCWA Employees.

Motion carried:	Aye 9, Nay 1, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Nay
	Director Dopudja	Aye
	Director Collings	Aye
	Director Reinhart	Aye
	Director Shissler	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Miller	Aye
	Director Rebensdorf	Aye

ADJOURNMENT

There being no further business, Director Ferons adjourned the meeting at 10:01 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on May 14, 2020 and approved 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

Board of Directors

May 21, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on May 21, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

DAN FERONS	Santa Margarita Water District	Director
DENNIS ERDMAN	South Coast Water District	Director [exited @ 9:35 a.m.]
TONI ISEMAN	City of Laguna Beach	Director [exited @ 10:45 a.m.]
RAY MILLER	City of San Juan Capistrano	Alternate Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director [exited @ 10:31 a.m.]
MIKE DUNBAR	Emerald Bay Service District	Director
DAVE REBENSDORF	City of San Clemente	Director

Absent:

DOUG REINHART	Irvine Ranch Water District	Director

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI GRANT	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTINTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE CONTINOLA	Procurement & Contracts Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law Firm
KYLE RHORER	Carollo Engineer
DAN BAKER	Carollo Engineer
JULIO MORALES	UFI Financial Solutions
DENNIS CAFFERTY	El Toro Water District
FERNANDO PALUDI	Trabuco Canyon Water District
DAVE SHISSLER	City of Laguna Beach
TREVOR AGRELIUS	Moulton Niguel Water District
MARC SERNA	South Coast Water District
EILEEN LIN	Irvine Ranch Water District
PAMELA ARENDS-KING	South Coast Water District
JOE McDIVITT	South Coast Water District
ROBB GRANTHAM	Santa Margarita Water District

1. Call to Order

Chairperson Ferons called the meeting to order at 8:34 a.m.

2. Public Comments

None

3. SOCWA Performance Measurement Study Results

Mr. Kyle Rhorer and Mr. Dan Baker of Carollo Engineering gave a presentation to the Board of Directors on the Performance Measurement Study benchmarking SOCWA's performance with comparable agencies on pages 4 thru 31 of the packet. An open discussion ensued.

Director Erdman commented that he was appreciative of the staff work to bring the information to the Board and hoped a more detailed discussion of the study results could be had in the future.

This was an information item; no action was taken.

4. Budget Workshop – Review of Proposed SOCWA FY 2020-21 Total Operating Budget

A. Update on Finance Committee Review

Ms. Burnett reported the Finance Committee held budget development meetings for the FY 2020-2021 Budget in March, April, and May 2020. Ms. Burnett noted the Finance Committee accepted all recommendations with exception of the usage of the PARS savings account therefore, proposing the FY 2020-2021 Total Budget at $21,721,077. An open discussion ensued.

This was an information item; no action was taken.

B. Budget Overview & Key Assumptions Proposed Budget $21,721,077

(i) Operations, Maintenance, including Environmental and Safety
(iii) Administration
(iv) General Fund

Ms. Carey gave a presentation highlighting budget changes that increased the FY 2020-2021 proposed budget over FY 2019-2020 on pages 35 thru 49 (slides 2 -16) of the Board Budget packet. She noted due to economic hardship, staff identified deferrals and other reductions in the amount of $1.1 million to the budget. An open discussion ensued.

Mr. Julio Morales gave a presentation on the Member UAL payments based on the FY 2018-2019 Board approved percentages on pages 51 thru 54 (slides 18 - 21) of the Board Budget packet. An open discussion ensued.

Director Collings commented that going forward with a plan would require a policy level agreement and asked if other agencies had had an opportunity to review any options.

Ms. Carey responded that she met with El Toro Water District and presented the same information as was given at the Budget Workshop. She noted that South Coast Water

District was scheduled to meet at the end of June after they've concluded their budget approval.

Ms. Burnett stated that other agencies had received the information through telephone communications, and that staff will continue to follow-up with the Finance Committee's recommendation to meet with all the member agencies.

Director Ferons state a policy level discussion was need once all the member agencies have been met with and understand the information presented.

Director Collings noted he agreed with Director Ferons on having a policy level discussion. He also noted what each member agency does compared to SOCWA may be different because SOCWA in not looking to get credit ratings that could have an impact. He stated there could be different goals associated with agency to agency because of the nature of trying to issue debt and the credit rating objectives and goals associated with that.

This was an information item; no action was taken.

(ii) Capital Programs (Small Internal and Large Capital), and Engineering

Mr. Manning stated he wanted to clarify some information to the Board based on prior questions throughout the meeting. He noted at the April 21 Finance Committee meeting as of March 31, we are holding $23.5 million in capital in the Capital Program. $11.3 million of this amount is for the three major current construction projects that are ongoing. $7.6 million is for planned or in-progress projects. The largest of those is the Sludge Force Main that runs between the Coastal Plant and the Regional Treatment Plant. $2.4 million is for other projects that staff is currently doing a deeper dive into to determine if there are some additional funds that may be returned to the member agencies. He also noted as presented at the Finance Committee meeting, $2.3 million are projects that were closed out and those funds are being returned to the member agencies.

Mr. Manning summarized that almost 50% of the funds are committed to current construction projects, and the remaining 32% is committed to existing projects that are either in-progress or planned to be completed in the coming year. He stated the proposed budget had also been shared with the Engineering Committee and had received a lot of good comments and feedback on the CIP metrics. An open discussion ensued.

Mr. Manning gave a presentation on the Two Year Capital Program to the Board of Directors on pages 56 thru 61 (slides 23-28) of the Board Budget packet. He noted the information could also be found on page 75 of the draft FY 2020-2021 budget book. An open discussion ensued.

This was an information item; no action was taken.

Chairman Ferons, thanked staff for all of their work efforts in providing all of the information that was presented on behalf of the Budget Workshop. He was given the direction to go forward with preparing for potential approval at the Board of Directors meeting on June 4, 2020.

ADJOURNMENT

There being no further business, Director Ferons adjourned the meeting at 11:41a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on May 21, 2020 and approved by the Board of Directors of the South Orange County Wastewater Authority.

_____

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

MINUTES OF REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

DRAFT

Board of Directors

June 4, 2020

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on June 4, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

DAN FERONS	Santa Margarita Water District	Director
DENNIS ERDMAN	South Coast Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
TROY BOURNE	City of San Juan Capistrano	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
DAVE REBENSDORF	City of San Clemente	Director
DOUG REINHART	Irvine Ranch Water District	Director [exited at 10:54 a.m.]

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI GRANT	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTINTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE CONTINOLA	Procurement & Contracts Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law Firm
GREG MOSER	Procopio Law Firm
BRAD NEUFELD	Varner & Brandt LLP
JULIO MORALES	UFI Financial Solutions
DENNIS CAFFERTY	El Toro Water District
FERNANDO PALUDI	Trabuco Canyon Water District
DAVE SHISSLER	City of Laguna Beach
TREVOR AGRELIUS	Moulton Niguel Water District
MARC SERNA	South Coast Water District
EILEEN LIN	Irvine Ranch Water District
PAMELA ARENDS-KING	South Coast Water District
JOE McDIVITT	South Coast Water District
ROBB GRANTHAM	Santa Margarita Water District

1. **CALL TO ORDER**

Chairperson Ferons called the meeting to order at 8:31 a.m.

2. **PLEDGE OF ALLEGIANCE** – Director Troy Bourne

3. **CLOSED SESSION**

A Closed Session Conference with Labor Negotiators Pursuant to Government Code Section § 54957.6 was conducted.

4. **REPORT OUT OF CLOSED SESSION**

There were no reportable items.

5. **RECONVENE BOARD REGULAR MEETING TO OPEN SESSION AT 9:30 a.m.**

The Board of Directors reconvened to Open Session at 9:48 a.m.

6. **ORAL COMMUNICATIONS**

There were no public comments

7. **CONSENT CALENDAR**

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

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Dopudja	Aye
	Director Collings	Aye
	Director Reinhart	Aye
	Director Iseman	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye
	Director Rebensdorf	Aye

8. **GENERAL MANAGER'S REPORTS**

A. Report of the Nominating Committee for Selection of Officers for the Board of Directors – Fiscal Year (FY) 2020/2021

Director Dunbar and Director Collings reported they would need additional time to discuss nominations for the Selection of Officers.

Chairman Ferons stated the agenda item would be brought back to the next Board meeting and would be considered as a first item of business to allow the new Chairperson to transition into conducting the remainder of the meeting.

This was an information item; no action was taken.

B. Contract Extension Award to Miles Chemical for Ferric Chloride [PC 2, PC 15 & PC 17]

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Collings to approve a 1-year contract extension to Miles Chemical, Inc. for Ferric Chloride at a rate of $610.00 per dry ton for full loads (40,000+ dry tons), $710 per dry ton for loads of 20,000 to <40,000 dry tons and $825.00 per dry ton for loads of 10,000 to <30,000 dry ton.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Collings	Aye
	Director Iseman	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye

C. Landscaping Contract Extension with BrightView Landscape Services at JBL [PC 2]

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Ferons to authorize the General Manager to provide up to one (1) year contract extension to BrightView Landscape Services for Landscaping services at JBL (PC-2), for an amount not to exceed $36,470.88.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0	
	Director Collings	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye

D. Landscaping Contract Extension with BrightView Landscape Services at RTP [PC 17]

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Ferons to authorize the General Manager to provide up to one (1) year contract extension to BrightView Landscape Services for Landscaping services at RTP (PC-17), for an amount not to exceed $79,048.32.

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

E. Investment Policy for Public Funds Annual Review

ACTION TAKEN
Motion was made by Director Dunbar and seconded by Director Collings to receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

Motion carried: Aye 10, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Erdman	Aye
Director Bourne	Aye
Director Rebensdorf	Aye

F. Approval of FY 2020-21 Budget

1. General Fund Budget

Approval of the FY 2020/21 General Fund Budget. Approval of the General Fund Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Dunbar approving the General Fund Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried: Aye 10, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Erdman	Aye
Director Bourne	Aye
Director Rebensdorf	Aye

2. Project Committee Operating Budgets

a. Approval of the FY 2020/21 Administration Budget (inclusive of project committee administration expenses, residual engineering, and IT). Approval of the FY 2020/21 Administration Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget

Director Collings noted Moulton Niguel is not in support of the Administration Budget. He states the Administration Budget is not consistent with the Joint Powers Agreement, and therefore maintains a "no" vote on the Administration Budget.

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Bourne approving the FY 2020/21 Administration Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

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

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

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Ferons approving the Project Committee ("PC") 2 Operations and Maintenance Budget and PC 2 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0	
	Director Collings	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye

c. Approval of the Project Committee ("PC") 17 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 17 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital). Approval of the Project Committee ("PC") 17 Operations and Maintenance Budget and PC 17 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in

excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Collings approving the Project Committee ("PC") 17 Operations and Maintenance Budget and PC 17 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

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

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

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Dunbar ~~a~~approving the Project Committee ("PC") 15 Operations and Maintenance Budget and PC 15 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried:	Aye 3, Nay 1, Abstained 0, Absent 0	
	Director Dunbar	Aye
	Director Collings	Nay
	Director Iseman	Aye
	Director Erdman	Aye

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

ACTION TAKEN
Motion was made by Director Collings and seconded by Director Bourne approving the Project Committee ("PC") 5 Operations and Maintenance Budget and PC 5 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 0	
	Director Collings	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye
	Director Rebensdorf	Aye

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

ACTION TAKEN
Motion was made by Director Dunbar and seconded by Director Freshley approving the Project Committee ("PC") 24 Operations and Maintenance Budget and PC 24 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Collings	Aye
	Director Reinhart	Absent
	Director Iseman	Aye
	Director Erdman	Aye

g. Approval of the Project Committee ("PC") 21 (ETM) Operations and Maintenance Budget, UAL and OPEB and PC 21 Capital Expenditures Budget (inclusive of large capital and non-capital engineering). Approval of the Project Committee ("PC") 21 (ETM) Operations and Maintenance Budget and PC 21 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget

ACTION TAKEN
Motion was made by Director Collings and seconded by Director Freshley approving of the Project Committee ("PC") 21 (ETM) Operations and Maintenance Budget and PC 21 Capital Expenditures Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget.

Motion carried:	Aye 2, Nay 0, Abstained 0, Absent 1	
	Director Freshley	Aye
	Director Collings	Aye
	Director Reinhart	Absent

h. Approval of the Project Committee ("PC") 8 (Pretreatment) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, UAL and OPEB). Approval of the Project Committee ("PC") 8 (Pretreatment) Operations and Maintenance Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approved the allocation of expenses with approval of the Budget

ACTION TAKEN
Motion was made by Director Collings and seconded by Director Dunbar approving the Project Committee ("PC") 8 (Pretreatment) Operations and Maintenance Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

Motion carried:	Aye 8, Nay 0, Abstained 0, Absent 1	
	Director Dunbar	Aye
	Director Freshley	Aye
	Director Collings	Aye
	Director Reinhart	Absent
	Director Iseman	Aye
	Director Ferons	Aye
	Director Erdman	Aye
	Director Bourne	Aye
	Director Rebensdorf	Aye

i. Approval of the Project Committee ("PC") 2SO (PC12) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB). Approval of the Project Committee ("PC") 2SO (PC12) Operations and Maintenance Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action. Authorization includes the redistribution of the costs of PC 2SO (PC 12) among the member agencies to exclude El Toro Water District and Irvine Ranch Water District); the Board approves the allocation of expenses with approval of the Budget

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dopudja approving the Project Committee ("PC") 2SO (PC12) Operations and Maintenance Budget authorizing the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action. Authorization includes the redistribution of the costs of PC 2SO (PC 12) among the member agencies to exclude El Toro Water District and Irvine Ranch Water District); the Board approved the allocation of expenses with approval of the Budget.

Motion carried: Aye 8, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Erdman	Aye
Director Bourne	Aye
Director Rebensdorf	Aye

G. RESOLUTION NO. 2020-07: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association

Director Ferons noted on behalf of the Board, he appreciates the work and efforts from staff considering what has been occurring over the past few months. The extra care that has been given with revising work schedules and working with member agencies. He noted he appreciates the situation the communities that we serve are in with the economy struggling at this time. We have to balance our support of our employees and our support of our communities. This item is required through the Memorandum of Understanding, and we want to honor that with our employees, but we also want to be able to recognize the situation some of the member agencies as well as our surrounding communities and constituents are facing from an economic point of view.

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Dunbar Approving Resolution No. 2020-07, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Salary Range Summary and Employee Job Classification Salary Schedule to the Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association.

Motion carried: Aye 9, Nay 0, Abstained 0, Absent 1

Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Absent
Director Iseman	Aye

Director Ferons	Aye
Director Erdman	Aye
Director Bourne	Aye
Director Rebensdorf	Aye

H. RESOLUTION NO. 2020-08: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Erdman to approving Resolution No. 2020-08, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual.

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

Director Ferons reiterated the same comments as made on agenda item H. Resolution No 2020-07.

Ms. Burnett commented on the Budget noting agenda item F.2.J. required the Boards approval directing staff to go forward to prepare and distribute a final printed Budget consistent with any additional changes presented and approved at the June 4, 2020 meeting.

The Board Chairman Ferons directed staff listing no protests to prepare and distribute a final budget consistent with any additional changes presented and approved at the June 4, 2020 meeting.

I. General Manager's Status Report

Ms. Burnett noted the staff would be distributing to the member agencies for consideration a revised pre-treatment ordinance. She stated the pre-treatment ordinance is required under the NPDES Permit that each agency adopts any changes. There are definitions that are changing for what is allowable to be discharged to the sewer system with respect to diversion. She suggested the member agencies agendize for their Board consideration.

This was an information item; no action was taken.

ADJOURNMENT

There being no further business, Director Ferons adjourned the meeting at 11:41a.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 June 4, 2020 and approved 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

April 21, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on April 21, 2020, at 10:30 a.m. via teleconference. The following members of the Finance Committee were identifiably participating:

DENNIS ERDMAN	South Coast Water District	Director
ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
RAY MILLER	City of San Juan Capistrano	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director

Absent:

TONI ISEMAN	City of Laguna Beach	Director

Staff Participation:

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

Also Participating:

JULIO MORALES	UFI Financial Solutions
ADRIANA OCHOA	Procopio Law Firm
KATHRYN FRESHLEY	El Toro Water District
PAM ARENDS-KING	South Coast Water District
GAVIN CURRAN	City of Laguna Beach
TREVOR AGRELIUS	Moulton Niguel Water District
CHARLES GIBSON	Santa Margarita Water District
NEELY SHAHBAKHTI	El Toro Water District

1. Call Meeting to Order

Chairperson Erdman called the meeting to order at 10:34 a.m.

2. Pledge of Allegiance - None

3. Public Comments – None

4. Approval of Minutes

ACTION TAKEN
Motion was made by Director Grantham and seconded by Director Miller to approve Finance Committee Meeting Minutes for March 24, 2020 as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1	
	Director Erdman	Aye
	Director Iseman	Absent
	Director Miller	Aye
	Director Grantham	Aye
	Director Collings	Aye
	Director Cafferty	Aye

5. Financial Reports for the Month of March 2020

ACTION TAKEN
Motion was made by Director Grantham and seconded by Director Miller to recommend to the Board of Directors to ratify the March 2020 disbursements for the period from March 1, 2020 through March 31, 2020, totaling $3,545,144, and to receive and file the March 2020 Financial Reports as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1	
	Director Erdman	Aye
	Director Iseman	Absent
	Director Miller	Aye
	Director Grantham	Aye
	Director Collings	Aye
	Director Cafferty	Aye

6. FY 2020/21 Member Agency Payments toward PERS Unfunded Liability (UAL)

Mr. Julio Morales of UFI Financial Solutions gave a presentation on the long-term impacts of the CalPERS Unfunded Pension Liability (UAL). His presentation included an approach to Advanced Discretionary Payments (ADP) by member agency, payment of long-term bases, and the significant financial benefits for the paying agency as well as SOCWA as a whole. An open discussion ensued.

The Finance Committee directed staff to hold a Special Meeting for this topic separately once the level of interest has been determined from each member agency and invite Mr. Morales back to provide a more in-depth presentation at that time.

7. FY 2020/2021 Capital Budget Presentation

Mr. Manning gave a presentation on the proposed Capital Budget for FY 2020/21. He referenced the presentation slides 13 through 17 referenced on pages 38 through 42 of the agenda packet. Mr. Manning also referenced the detail information of the Capital Budget on page 63. An open discussion ensued.

Director Erdman requested a cost breakdown of the Design, Studies, Condition Assets, & Small Construction that was shown in the gray area of the pie-chart on Slide 14, page 39 of the agenda packet.

Ms. Burnett stated SOCWA's management staff was available to answer any questions that the Committee members or member agency staff may have regarding the FY2020/21 proposed budget.

This was an information item; no action was taken

8. FY 2020/2021 O&M / Environmental Budget

(i) Ms. Burnett stated the Committee members were requested to bring forward from the March 24th meeting questions or comments that they might have. She noted the summary of the proposed budget on slide 19, page 44 of the agenda packet. She also stated the Committee and member agency staff were welcome to send their questions via email outside of the meeting and that any of the Q&A would be shared with the member agencies as the meetings go forward. An open discussion ensued.

(ii) Ms. Burnett stated in response to Director Collings request to show percentage changes of budget increases from one budget year to the next, she directed him to pages 114 and 115 of the agenda packet. An open discussion ensued.

(iii) Ms. Burnett stated due to the circumstances and revenue shortfalls that were not anticipated due to the virus, staff put together a summary of items shown on pages 116 and 117 of the agenda packet of potential areas that might staff would be able to apply some cost savings.

Ms. Carey discussed the detail breakdown of where the cost savings would be applied and deferred until the 21/22 budget year, and further details of the proposed savings were shown on slide 22 or page 47 of the agenda packet. An open discussion ensued.

Chairman Erdman polled each Committee member requesting their input on the proposed FY20/21 Economic Hardship adjustments.

There Committee members concurred to apply the Economic Hardship Adjustments to the FY20/21 Budget.

9. FY 2020/2021 Administration Budget / General Fund / IT Budget

Ms. Burnett stated the information for reviewing the Administration, General Fund and IT Budget started on slide 25 of the PowerPoint presentation. She noted at the previous meeting, staff proposed continuing with distribution of expenses and costs that had been set up and used in prior years for the General Fund sharing which appeared on slides 52, and 53. She also noted that slide 54 laid out the expense total for the General Fund budget.

There were no questions or comments from the Committee members on this section of the budget.

10. FY 2019-20 3rd Quarter Cash Roll Forward

ACTION TAKEN
Motion was made by Director Erdman and seconded by Director Miller to recommend to the Board of Directors to receive and file the Q2 Fiscal Year 2010-20 Cash Roll Forward as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1	
	Director Erdman	Aye
	Director Iseman	Absent
	Director Miller	Aye
	Director Grantham	Aye
	Director Collings	Aye
	Director Cafferty	Aye

11. FY 2019-2020 Capital Cash Return to Member Agencies

ACTION TAKEN
Motion was made by Director Miller and seconded by Director Grantham to recommend to the Board of Directors the return of $2.3 million, large capital closed projects or permanent refunds, Capital Cash on Hand.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1	
	Director Erdman	Aye
	Director Iseman	Absent
	Director Miller	Aye
	Director Grantham	Aye
	Director Collings	Aye
	Director Cafferty	Aye

12. Budget Schedule

Ms. Burnett discussed the budget schedule asking if the Finance Committee had any recommended changes to the remainder of the schedule as submitted herein:

- May 12, 2020 – Finance Committee Review
- May 19, 2020 – Finance Committee Review
- May 21, 2020 – Board Budget Workshop
- June 4, 2020 – Board Consideration of Budget for Approval

The Finance Committee concurred to leave the budget schedule in place as submitted.

Adjournment

There being no further business, Chairperson Erdman adjourned the meeting at 12:38 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of April 21, 2020, 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

MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Finance Committee

May 12, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on May 12, 2020, at 10:30 a.m. via teleconference. The following members of the Finance Committee were identifiably participating:

DENNIS ERDMAN	South Coast Water District	Director
ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
RAY MILLER	City of San Juan Capistrano	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director

Absent:

TONI ISEMAN	City of Laguna Beach	Director

Staff Participation:

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

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
AMY DOUCET	South Coast Water District
MARC SERNA	South Coast Water District
TREVOR AGRELIUS	Moulton Niguel Water District

1. Call Meeting to Order

Chairperson Erdman called the meeting to order at 10:38 a.m.

2. Pledge of Allegiance - None

3. Public Comments – None

4. FY 2020/2021 Budget Presentation

Ms. Carey gave an overview of the proposed budget of $22,771,581 in comparison to the budget of the previous fiscal year. She stated the proposed budget was up $1,456,735 or 6.8% over the prior year budget which was $21,314,846. In addition, staff identified $1.6 million in economic hardship deferrals and other reductions that would be reallocated into FY 2021/2022 or is applicable only to FY 2020-21, bringing the proposed budget down to $21,217,268. An open discussion ensued.

The Finance Committee accepted $1.1 million of the recommended economic hardship deferrals and other reductions.

Ms. Carey identified the following items that were included in reducing the proposed budget by $1.1 million that would be reallocated to the following fiscal year or is pertinent only to FY 2020-21, and bringing the proposed budget for FY2020/2021 to $21,721,077:

- Moving the Plume tracking analysis of the outfalls into the next fiscal year - $450,000
- IT Projects Moved Out, - $135,000
- COLA is at the MOU minimum - $102,000 (the initial budget project 3.2% COLA; the CPIU came in at 1.9%, but the MOU minimum is 2.0%). The budget presented to the Finance Committee is at 2.0%. (Applicable only to FY 2020-21.)
- We had one new hire in environmental to meet State requirement. That new hire is deferred until next fiscal year - $99,000
- We had included an Admin Assistant, part-time contract employee - $86,000
- All training budgets across all departments and Project Committees were reduced by 50% -$90,000
- Recurring legal costs was reduced by $50,000 (staff will attempt to manage some routine legal matters internally)

Director Collings noted and commented on the following:

1. On page 4A, regarding the COLA of the MOU was not to be referred to as a deferred cost since this is part of a prior contract.

2. On page 6A, the tables were confusing and should be streamlined next fiscal for better comprehension.

3. On Page 16, the Budget Assumption Letter, at number 1 in the first paragraph, noted the allocation of liabilities are distributed by Board approved percentages which would change year over year:
   Q: Director Collings asked if the Board would be approving the percentages each year?
   A: Ms. Carey responded that the Board approved the methodology, and each year SOCWA would add the additional labor information in accordance with the approved methodology. She noted that the language would be changed to state “Board approved actuarial methodology”.

4. Noted additionally on page 16 that Moulton Niguel continued to disagree with supporting the Administrative Budget as it was not a part of the JPA.

5. On page 23, item 13, the second sentence of the second paragraph:
   Q: Director Collings questioned whether the Board was in support of beginning a savings plan for PERS/OPEB.

   A: Ms. Burnett responded the Boards direction was to begin addressing the possibility of a savings approach within a two-year window. She stated that was one year ago which is why the target date is for FY2021/2022.

6. On page 27 and 28, the table under the "Board policy Decisions" referencing budget assumptions 10f and 10g have been adjusted and need updating.
   Ms. Carey will update prior Board Budget Workshop on May 21, 2020.

7. On page 37, what was driving the budget increase in the categories of Landscape, Uniforms, and a 30% increase in Insurance/Property Liability?
   A: Mr. Burror responded as follows:
   - Landscape: the increase was due to contractors having difficulty maintaining the necessary services under the existing contract, and having to bring in temporary contractors to perform the necessary services, and increase in labor rate due to prevailing wage requirements under the DIR
   - Uniforms: employees were requiring additional PPE, different types of boots and gloves, electricians and mechanics required specialty wear relative to ARC Flash. In addition to several new employees on staff requiring new uniforms.

   A: Ms. Burnett responded as follows:
   - Insurance/Property Liability: the increase was being driving by the impacts of the California fires over the past two years as stated through CSRMA

Director Cafferty requested clarification on the 2% increase of the overall budget vs. the various ranges of 25% reduction to 15% increase for individual member agencies. He also noted that the budget vs. budget were significant variations from FY2019/2020 to FY2020/2021.

Ms. Cary responded that she would address Directors Cafferty's questions offline as they pertained directly to El Toro Water District.

Director Grantham noted and commented on the following:
- On page 18, footnote, number 7a, second paragraph, states incorrectly that the Oso Creek will be budgeted at 1.1 mgd due to it being offline.

A: Ms. Burnett responded the statement would be corrected as noted.

Director Erdman noted that when there are reductions to the training budget it raises concerns of whether employees are still able to get the necessary and required training that is needed to continue doing their jobs.

Mr. Burror responded that SOCWA's priority was a position of training the trainer to ensure trainers receive the proper training that is needed to train staff. This has allowed for flexibility for when and where training takes place at a cost reduction such as, CPR and Forklift training.

Second priority applies to employee safety. He stated SOCWA's safety specialist was revamping the safety program by including additional online training as well as utilizing the newly improved Boardroom to record COVID-19 training that could be part of building a library of training videos.

5. Budget Schedule

Ms. Burnett stated her appreciation of all the comments and direction provided from the Committee. She noted staff would contact Director Cafferty to address the specific cost changes relative to El Toro Water District. She also noted the clean-up items that would be incorporated in a new draft that would go the Board Budget Workshop on May 21.

Ms. Burnett reviewed the remaining budget schedule with the Committee and asked if they needed to hold another meeting on May 19 for further review of the budget.

The Finance Committee members concurred to forego holding a meeting on May 19, and to proceed with preparing the draft budget for the Board Budget Workshop.

Adjournment

There being no further business, Chairperson Erdman adjourned the meeting at 11:40 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of May 12, 2020, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Engineering Committee

February 13, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on February 13, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MARC SERNA	South Coast Water District [exit 9:10 a.m.]
DON BUNTS	Santa Margarita Water District
MIKE MARQUIS	City of San Juan Capistrano [arrived 8:45 am / exited 9:48 am]
LORRIE LAUSTEN	Trabuco Canyon Water District [exited 9:58 am]
BOBBY YOUNG	El Toro Water District [exited 9:38 am]
MIKE DUNBAR	Emerald Bay Service District
TARYN KJOSLING	South Coast Water District
KEVIN BURTON	Irvine Ranch Water District

Absent:

DAVE REBENSDORF	City of San Clemente
ROD WOODS	Moulton Niguel Water District
DAVE SHISSLER	City of Laguna Beach

Staff Present:

JASON MANNING	Director of Engineering
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
JIM BURROR	Director of Operations [arrived 8:43 am.]
DANIEL VASQUEZ	Chief Mechanic
DANITA HIRSH	Administrative Assistant

Also Present:

DENNIS ERDMAN	South Coast Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:33 a.m.

2. Public Comments

Mr. Erdman commented on the January 16, 2020 Minutes of the two studies that Moulton Niguel was working on regarding the Sulphur Creek as an option as a recycle storage facility and the use of the Forebay for direct potable reuse. He stated that he would like to be kept up to date on the progress status of the two studies.

3. Approval of Minutes

1. Engineering Committee Meeting Minutes of November 14, 2019

ACTION TAKEN
Motion was made by Mr. Bunts and seconded by Mr. Young to approve the November 14, 2019 Engineering Committee Meeting Minutes as submitted.

Motion carried:	Aye 6, Nay 0, Abstained 1, Absent 3	
	Mike Dunbar	Aye
	David Shissler	Absent
	Marc Serna	Aye
	Lorrie Lautsen	Aye
	Rod Woods	Aye
	Don Bunts	Aye
	Bobby Young	Aye
	Mike Marquis	Absent
	Kevin Burton	Abstain
	Dave Rebensdorf	Absent

2. Engineering Committee Meeting Minutes of January 16, 2020

ACTION TAKEN
Motion was made by Mr. Bunts and seconded by Mr. Dunbar to approve the January 16, 2020 Engineering Committee Meeting Minutes as submitted.

Motion carried:	Aye 7, Nay 0, Abstained 1, Absent 2	
	Mike Dunbar	Aye
	David Shissler	Abstain
	Marc Serna	Aye
	Lorrie Lautsen	Aye
	Rod Woods	Aye
	Don Bunts	Aye
	Bobby Young	Aye
	Mike Marquis	Aye
	Kevin Burton	Absent
	Dave Rebensdorf	Absent

4. Operations Status Report

Mr. Manning gave an update in Mr. Burror absence. He stated there were several construction projects occurring that was keeping staff very busy and noting his appreciation for everyone's efforts and support.

This was an Information item; no action was taken.

5. Capital Improvement Construction Projects Report

Mr. Manning informed the Committee of the project reports noting the changes that were made based upon everyone's feedback at the last meeting. He noted that if anyone had any other comments or changes to the report to send them so that they could be incorporated before finalizing. An open discussion ensued.

This was an information item; no action was taken.

6. Knowledge Sharing – Using Process Capability Analysis for identifying Process Issues

Mr. Manning discussed the format he proposed implementing for knowledge sharing across member agencies. He stated that by sharing knowledgeable information it could be useful and beneficial to everyone. Mr. Manning discussed a software program he was using called "R" for statistical computing that is useful for any repetitive process that had defined upper and/or lower limits. He stated that this was the forum for the member agencies to share ideas and problem-solving solutions. An open discussion ensued.

This was an information item; no action was taken.

7. SOCWA Draft Fiscal Year 2021 and Fiscal Year 2022 Capital Improvement Budget

Mr. Manning gave a presentation of the proposed budget spending over the next two fiscal years. He stated that his team was focusing on projecting out costs for the major projects expected for the remainder of the fiscal year. He stated it would help with estimating the budgets and spending to all for more accurately billing to the member agencies. He noted that he is already providing CIP Reports that include updates on finances on some of the major projects.

Mr. Erdman noted that in past years, SOCWA has not spent the majority of its anticipated CIP budget and requested that the budget represent actual expected spending for the years presented.

Mr. Manning noted that more than half of the planned budget was for already in progress construction and that he would look at revising the budget to more accurately account for timing based on the current project schedule and SOCWA Engineering Staff workload.

An open discussion ensued.

This was an information item; no action was taken.

8. San Juan Creek Ocean Outfall Junction Structure Rehabilitation (PC 5)

Mr. Manning provided a presentation that was prepared by Black & Veatch and Dudek on the San Juan Creek Ocean Outfall Juncture Structure Rehabilitation Project. He wanted to update the Committee on the current status and that there would be further discussion at the next Committee meeting. An open discussion ensued.

This was an information item; no action was taken.

9. Aliso Creek Ocean Outfall – Draft Strategic Plan for Emergency Outfall Repair Review (PC 24)

Mr. Manning stated he wanted to get this agenda item in front of the Committee to give enough time for each member to review the plan and provide any feedback they might have generally on how the plan is structured. He stated that this same plan would also be applied to the San Juan Creek Ocean Outfall. He noted that the plan was an old draft and might reference old contact information but would be updated going forward as changes are made. An open discussion ensued.

This was an information item; no action was taken.

10. Research Budget Update (PC 12)

Ms. Baylor gave an update on the continuation of research that was being conducted to evaluate the validity of the HF183 marker for use in determining the quality water objective standard. She advised the Committee that the budget would be over by $6,000 and that this item would also be presented at the next Finance Committee meeting. An open discussion ensued.

This was an information item; no action was taken.

11. Flow Ecology Metrics Analysis (PC12)

Ms. Baylor provided an update on the study of the flow ecology analysis. She stated Larry Walker and Associates had been very involved at looking at the bio-stimulatory and bio-nutrients policy at the State Water Board. They provided a proposal to evaluate the process of the technical metrics associated with the flow ecology and would be over the PC12 budget of a not to exceed $25,000. An open discussion ensued.

This was an information item; no action was taken.

12. Adjournment

There being no further business, Mr. Manning adjourned the meeting at 9:59 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Engineering Committee of February 13, 2020, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Engineering Committee

March 12, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on March 12, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MARC SERNA	South Coast Water District
DON BUNTS	Santa Margarita Water District
MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District
ROD WOODS	Moulton Niguel Water District [exited @ 9:42 a.m.]
DAVE SHISSLER	City of Laguna Beach [exited @ 9:45 a.m.]

Absent:

DAVE REBENSDORF	City of San Clemente
LORRIE LAUSTEN	Trabuco Canyon Water District
KEVIN BURTON	Irvine Ranch Water District

Staff Present:

JASON MANNING	Director of Engineering
BETTY BURNETT	General Manager
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
JIM BURROR	Director of Operations [arrived 8:43 am.]
MARY CAREY	Finance Controller
DANITA HIRSH	Executive Assistant

Also Present:

DENNIS ERDMAN	South Coast Water District
TARYN KJOSLING	South Coast Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:30 a.m.

2. Public Comments

Mr. Woods noted a correction on the February 13, 2020 Minutes that reflected he was in attendance when he was absent. He also clarified for the record that there is only one study Moulton Niguel Water District is working on for the Sulphur Creek and not two separate studies.

3. Approval of Minutes

1. Engineering Committee Meeting Minutes of February 13, 2020

Mr. Dunbar requested staff to revise and bring back to the next Engineering Committee meeting.

4. Operations Status Report

Mr. Burror updated the Committee on the safety measures staff was defining and taking regarding the Coronavirus known as COVID-19. An open discussion ensued.

This was an Information item; no action was taken.

5. Capital Improvement Construction Projects Report

Mr. Manning discussed the new format for Capital Project Reporting. He highlighted the areas that were incorporated based on feedback from the previous meeting. He also noted that he would continue to make improvements based on other comments or changes the Committee might have. An open discussion ensued.

This was an information item; no action was taken.

6. Knowledge Sharing

Mr. Manning reported on the Effluent Transmission Main leak and repair that occurred on March 10, 2020. An open discussion ensued.

This was an information item; no action was taken.

7. Proposed Updated CIP Project Numbering

Mr. Baranowski gave a presentation on the new project numbering system that was being implemented for future projects only. It was stated that the new numbering system would assist with easily creating reports for budgeting, accounting and timekeeping purposes. An open discussion ensued.

This was an information item; no action was taken.

8. Capital Improvement Program Budget

Mr. Manning gave a presentation on the proposed Capital Improvement (CIP) Budget for FY2020/21 and FY2021/22. He stated the proposed CIP Budget would be presented to the Finance Committee in April. An open discussion ensued.

This was an information item; no action was taken.

9. San Juan Creek Ocean Outfall Junction Structural Rehabilitation [Project 5]

Mr. Manning updated the Engineering Committee that the California State Parks Department had requested that the San Juan Creek Ocean Outfall Junction Structure Rehabilitation occur

at the same time as the Doheny State Beach campsite closure planned at the end of this year. Given the short time frame and the need to complete the design and hire a contractor, SOCWA would like to prequalify a contractor to assist with the final design for a constructability review and final construction.

There was consensus amongst the Engineering Committee to move forward with the approach to prequalify a contractor for the San Juan Creek Ocean Outfall Junction Rehabilitation. Members of the City of San Clemente and Moulton Niguel Water District were absent.

10. San Juan Creek Ocean Outfall NPDES Permit
[Project 5]

Ms. Baylor gave an update on the progress of meeting with the PC5 Member Agencies regarding the update to the San Juan Creek Ocean Outfall Report of Waste Discharge (RWD). She discussed the various updates to the previous submittal. An open discussion ensued.

There was concurrence amongst the Engineering Committee to approve the submittal of the updated Report of Waste Discharge to include the Doheny Desal Project into the San Juan Creek Ocean Outfall NPDES permit application. Members of the City of San Clemente and Moulton Niguel Water District were absent.

11. Aliso Creek Ocean Outfall – Draft Strategic Plan for Emergency Outfall Repair
[Project Committees 2 & 17]

Mr. Manning asked if there were any comments on the previously provided Aliso Creek Ocean Outfall – Draft Strategic Plan for Emergency Outfall Repair Plan. He indicated that given recent leaks that had occurred that some better details and lessons learned should be applied to the plan. An open discussion ensued.

There was concurrence amongst the Engineering Committee that the plan could be more robust than what was presented. Members of the City of San Clemente and Moulton Niguel Water District were absent.

12. Innovative Biosolids Update – Responses to Questions
[Project Committees 2 & 17]

Mr. Manning reviewed the Q&A responses from vendors who are being considered for the Innovative Biosolids project for PC2 and PC17. He stated that the best approach would be to meet with the PC members individually review the responses. An open discussion ensued.

There was concurrence amongst the Engineering Committee that PC 2 and PC17 Committees meet separately to review the proposals and responses.

There being no further business, Mr. Manning adjourned the meeting at 10:07 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Engineering Committee of March 12, 2020, and approved by the Engineering 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 REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Engineering Committee

June 11, 2020

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on June 11, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MARC SERNA	South Coast Water District
DON BUNTS	Santa Margarita Water District [arrived 8:37 a.m.]
MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District [exited 9:26 a.m.]
MIKE DUNBAR	Emerald Bay Service District
ROD WOODS	Moulton Niguel Water District
DAVE SHISSLER	City of Laguna Beach
DAVE REBENSDORF	City of San Clemente
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

KEVIN BURTON	Irvine Ranch Water District

Staff Present:

JASON MANNING	Director of Engineering
BETTY BURNETT	General Manager
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
JIM BURROR	Director of Operations [arrived 8:43 am.]
JEANETTE COTINOLA	Contracts/Procurement Administrator
DANITA HIRSH	Executive Assistant

Also Present:

DENNIS ERDMAN	South Coast Water District
TARYN KJOSLING	South Coast Water District
NEELY SHAHBAKHTI	El Toro Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:30 a.m.

2. Public Comments

None

3. Approval of Minutes

a. Engineering Committee Meeting Minutes of February 13, 2020

ACTION TAKEN
Motion was made by Mr. Dunbar and seconded by Mr. Serna to approve the February 13, 2020 Engineering Committee Meeting Minutes as submitted.

Motion Carried: Aye 5, Nay 0, Abstained 4, Absent 1

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

b. Engineering Committee Meeting Minutes of March 12, 2020

ACTION TAKEN
Motion was made by Mr. Dunbar and seconded by Mr. Young to approve the March 12, 2020 Engineering Committee Meeting Minutes as submitted.

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

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

4. Operations Status Report

Mr. Burror thanked the member agencies who had participated on the COVID-19 update weekly calls. He expressed his gratitude for participation and information sharing. He updated the Committee on the operational impacts relating to construction activity at the treatment plants. An open discussion ensued.

This was an Information item; no action was taken.

5. Peer-Review Report: SCCWRP Implementation of the ROMS/BEC Modeling System for Ocean Acidification/Hypoxia Assessments in the Southern California Bight

Ms. Baylor updated the Committee on the discussions regarding the Peer-Review Report on the ROMS/BEC Modeling. She provided the committee with an update on the draft technical report and developments on the peer review of the Ocean Acidification and Hypoxia model that was provided by Dr. Scott Jenkins. An open discussion ensued.

This was an information item; no action was taken.

6. Capital Improvement Construction Projects Report

Mr. Manning informed the Committee of the ongoing updates to the CIP reports. He noted that there are two new change orders for the JBL Package B Project, two new change orders for the CTP Facility Improvements Project, and five for the RTP Miscellaneous Improvements Project.

Ms. Young stated in relation to Package B, Olson continues to work on the Digester 4, and that in light of the COVID-19 pandemic, there would be some project delays by a couple of months due to factory lay-offs and possible shutdowns. She also updated the Committee on two change orders pertaining to the project. An open discussion ensued.

Mr. Baranowski stated the projects at the Coastal Treatment Plant is going well. He noted PCL Construction was continuing with installing new electrical equipment for the main switchgear while preparing to install new equipment in the secondary tank. He also updated the Committee on two change orders pertaining to the project. An open discussion ensued.

This was an information item; no action was taken.

7. Capital Project Management System Update

Mr. Manning reported that SOCWA hired Carollo Engineers to develop a pilot system for a Capital Project Management System (CPMS). He noted the system is currently under development and would be using the already licensed Microsoft products by SOCWA to implement the system. The CPMS will use SharePoint, Teams, and other Microsoft tools to track project planning, some financial details for each project. He also noted that the screenshots provided are the beginning stages of the dashboard and project information being developed as the foundation for the CPMS. An open discussion ensued.

This was an information item; no action was taken.

8. JB Latham Consequence of Failure Analysis Update
[Project Committee 2]

Mr. Manning reported that SOCWA hired Dudek to trial a Consequence of Failure Analysis which would look at key process areas of the JB Latham Treatment Plant. He noted that Dudek's work would follow a risk-based analyses of critical equipment at the Plant that would assist with providing better groundwork for determining the priority for future projects. An open discussion ensued.

This was an information item; no action was taken.

9. San Juan Creek Ocean Outfall Junction Structural Rehabilitation Update
[Project Committee 5]

Mr. Manning stated that the SOCWA issued a Request for Proposals on June 5, 2020, for bringing on a contractor who would provide a constructability review and to complete certain elements including the final rehabilitation of the Junction Structure. An open discussion ensued.

This was an information item; no action was taken.

There being no further business, Mr. Manning adjourned the meeting at 9:41 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of June 11, 2020, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item 7d

Board of Directors Meeting

Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: May 2020 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 calculation 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 to 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

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report May, 2020

Excursion, Complaint, and Violation Event

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.58	7.82	6.37	0.87	17.65
Effluent (mgd)	2.01	2.19	6.37	0.94	11.51
Peak Flow (mgd)	7.67	17.81	10.13	3.13	38.74
Influent BOD (mg/l)	242	264	499	295	
Influent TSS (mg/l)	309	325	2,135	507	
Effluent BOD (mg/l)	5.5	6.7	5.9	5.9	
Effluent TSS (mg/l)	6.9	10.0	8.1	8.6	
Effluent Turbidity (NTU)	2.6	3.1	3.1	3.2	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	1.20	5.63		6.84
Days of Operation (days)	31	31		
Total Flow (million gallons)	37.3	174.6		211.9
Plant Irrigation (million gallons)	0.00	0.18	0.29	
AWT Time Online (%)	99.0	93.0		

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 May, 2020 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		788.1	0.0	788.1
Nursery Products (tons)		324.1	750.0	1,074.1
Prima Deshecha (tons)		39.1	105.0	144.1
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,151.3	855.0	2,006.3

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance(1)	NA	NA	NA	NA
Corrective Maintenance (1)	NA	NA	NA	NA

(1) Tabware being updated. July 1 is the anticipated go live date for the new database.

Site Visitors

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

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	29.4	NA	41.4

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	34.3	34.3
Utility Power Purchase (kWh)	207,528	22,976	311,487	541,991
Cogen Power (kWh)		619,586	400,080	1,019,666
Natural Gas (Dth)	7	1,676	1,233	2,917
Digester Gas to Engine (scfm)		9,030,169	5,229,092	14,259,261
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		24,471	1,025,642	1,050,113
Digester Gas Power Savings		$62,100		

(1) The bills to calculate these values are received after this report is prepared for the Board meeting, but will be available upon request at the Board meeting.

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

Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

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	1.797	66.85%				1.80
EBSD	0.105	3.89%				0.10
SCWD	0.787	29.27%		1.596	22.03%	2.38
MNWD	0.000	0.00%	7.82	1.400	19.32%	9.22
CSJC				2.460	33.95%	2.46
SMWD				1.790	24.70%	1.79
Total	2.689	100.00%	7.82	7.246	100.00%	17.75

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.80	24.31%	1.80	
EBSD				0.10	1.41%	0.10	
SCWD	1.80	13.77%		0.00	-0.01%	1.80	Includes Desalters
MNWD	2.55	19.53%		2.19	29.59%	4.74	
ETWD				1.87	25.31%	1.87	Direct Outfall Only
CSJC	2.78	21.27%				2.78	Incudes Desalter
SMWD	3.09	23.68%				3.09	Includes Chiquita
CSC	2.84	21.75%				2.84	Direct Outfall Only
IRWD				1.43	19.39%	1.43	Direct Outfall Only
Total	13.06	100.00%	7.11	7.39	100.00%	20.45	

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%	2.12	31.98%	2.460	33.95%	2.12	32.44%
MNWD	3.00	23.08%	1.40	21.12%	1.400	19.32%	1.40	21.42%
SCWD	3.75	28.85%	1.70	25.64%	1.596	22.03%	1.61	24.68%
SMWD	2.25	17.31%	1.41	21.27%	1.790	24.70%	1.40	21.47%
Total	13.00	100.00%	6.63	100.00%	7.246	100.00%	6.54	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,767	24.54%	6,812	25.90%	5,877	28.50%
MNWD	8,340	21.62%	4,396	18.70%	6,101	23.20%	5,577	27.05%
SCWD	7,715	20.00%	5,391	22.94%	5,588	21.25%	5,408	26.23%
SMWD	10,946	28.38%	7,949	33.82%	7,798	29.65%	3,755	18.21%
Total	38,573	100.00%	23,503	100.00%	26,299	100.00%	20,618	100.00%

Project Committee No. 5 - Effluent Pumping Station (SJCOO EPS)

Agency	Own (%)	Variable Budget (mgd)	Variable Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	Month EPS Outfall Flow (mgd)	Month EPS Outfall Flow (%)
CSC	16.62%	2.531	21.57%	2.84	21.75%		
CSJC	11.08%	2.348	20.01%	2.78	21.27%	2.46	33.95%
MNWD(3)	15.51%	2.013	17.16%	2.55	19.53%	1.40	19.32%
SCWD	12.47%	1.740	14.83%	1.80	13.77%	1.60	22.03%
SMWD	44.32%	3.101	26.43%	3.09	23.68%	1.79	24.70%
Total	100.00%	11.733	3.10%	13.06	100.00%	7.25	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.

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

Project Committee No. 5 - Outfall (SJCOO)

Agency	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)	FY Avg EPS Outfall Flow (mgd)	FY Avg EPS Outfall Flow (%)
CSC	2.878	22.32%		
CSJC	2.630	20.39%	2.12	32.44%
MNWD	2.378	18.44%	1.40	21.42%
SCWD	1.796	13.93%	1.61	24.68%
SMWD	3.212	24.91%	1.40	21.47%
Total	12.893	100.00%	6.54	100.00%

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%	1.770	59.00%	1.797	66.85%	1.639	60.36%
EBSD	0.20	2.99%	0.050	1.67%	0.105	3.89%	0.054	1.97%
SCWD	2.00	29.85%	1.180	39.33%	0.787	29.27%	1.023	37.67%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	3.000	100.00%	2.689	100.00%	2.715	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	0.01220	0.157%	0.0000	0.0136	0.0136	0.17%	0.0122	0.16%
EBSD	0.00040	0.005%	0.0000	0.0008	0.0008	0.01%	0.0004	0.01%
SCWD	0.00810	0.104%	0.0000	0.0059	0.0059	0.08%	0.0076	0.10%
ETWD	0.01410	0.181%	0.0000	0.0167	0.0167	0.21%	0.0155	0.20%
MNWD	7.75000	99.553%	7.8200	0.0598	7.8798	99.53%	7.7836	99.54%
Total	7.78480	100.000%	7.8200	0.0968	7.9168	100.00%	7.8193	100.00%

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

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	12.48%	152,029	14.03%	140,075	12.76%
EBSD	295	0.59%	158	0.38%	8,843	0.82%	4,573	0.42%
SCWD	4,480	8.96%	3,546	8.62%	66,560	6.14%	87,255	7.95%
ETWD	10,200	20.41%	5,755	13.99%	187,066	17.26%	177,066	16.13%
MNWD	29,395	58.82%	26,532	64.52%	669,414	61.76%	688,917	62.75%
Total	49,975	100.00%	41,124	100.00%	1,083,912	100.00%	1,097,886	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.000%	1.89	17.73%	1.797	24.31%	1.639	14.61%
EBSD	0.780%	0.05	0.47%	0.105	1.41%	0.054	0.48%
ETWD	16.302%	2.46	23.08%	1.871	25.31%	2.569	22.89%
IRWD	15.760%	2.48	23.26%	1.434	19.39%	2.792	24.88%
MNWD	43.848%	3.08	28.89%	2.188	29.59%	3.703	33.00%
SCWD	12.310%	0.70	6.57%	0.000	-0.01%	0.464	4.14%
Total	100.000%	10.66	100.00%	7.394	100.00%	11.221	100.00%

Select Critical Equipment Repairs

JBL - PC2

Uninstalled and removed Hoffman Blower #3 from service due to the acquisition of two (2) new Aerzen Blowers.
Removed a fully corroded stainless steel joint and applied pickling gel to other pipe joints at Cogen Gas Conditioning System.
Rebuilt Digester #4 Flame Arrestor in conjunction with Package B upgrades.
Rebuilt Digestors Nos. 2, 3, and 4 bubbler panels, piping, and gages to prevent natural gas leaks.
Cleaned and fixed balancing issue with Centrifuge #2.
Rebuilt DAFT #1 Polymer Feed Pump in which the rotor drive pin and retaining collar had failed.
Replaced 4-side RAS and RSP seal water lines to add regulators and check valves.
Replaced and rebuilt TWAS #2, which was failing due to worn stator and rotor.
Rebuilt and reinstalled failing RSP #5 due to age.
Realigned RAS #3, which was failing due to sheared coupling insert and pin.
Worked with South Coast Water District to diagnose and clear out roots that had clogged the Administration Building drain line 30 feet below the ground.

CTP - PC15

Installed a larger impeller on the new east waste pump to increase flow and meet treatment requirements.
Installed a transparent Y-strainer on the inlet piping of the new east waste pump to prevent the ragging of the impeller.
Installed new safety handrailing on the curb spanning from the engine room to the diesel storage tank for safety.
Used the Jetter to clear out the main office drain line, which had become clogged and was flooding the AC room.
Repaired West 2 Secondary Drive Gear, which had previously broken the shear pin.
Replaced the failing blower motor with a high-efficiency motor.

RTP - PC17

Removed obsolete starting air compressors and prepared a pad for a new air dryer.
Removed bleach tank, which was leaking and prepped space for the installation of new Poly Tank.
Replaced all scrubber recirculation gages which were failing.
Rebuilt filter inlet, pneumatic valve actuators, and extension housing to replace rotting and corroded older unit.
Fabricated new steps in the ferric containment area for safety.
Replaced failed covers and inlet boxes on Grit Classifier.

Support Services - ALL PC'S

Performed SCADA screen upgrades and standardizations at Coastal Treatment Plant.
Installed automation for Plant 2 Headworks at JBL.
Removed unused alarms in Win911 at RTP.
Performed troubleshooting and ultrasonic testing due to spiking false alarms at JBL.
Performed troubleshooting of high differential pressure alarms on Cogen unit at JBL.
Completed modifications to AWT and mudwell alarms at RTP.
Installed replacement roll-up door control panel for 4-side Headworks at JBL.

SOCWA Operational Report May, 2020 (cont'd)

Installed new upgraded DO probes for Aeration Tanks 2A and 2B at JBL.
Replaced RTP Primary Sludge Pump Motors #2 and 5, which were shorting and tripping the breaker.
Upgraded failing data communications link for Plant #2 at JBL.
Replaced RTP Scrubber #2 recirculation pump motor, which was shorting and tripping the breaker.
Replaced old mercury vapor lighting with LED fixtures at CTP.
Installed a new interstage bubbler pressure sensor, which was previously giving faulty readings.
Upgraded Outfall old florescent lights with LED fixtures at JBL.
Added new sensor for monitoring ammonia for the VAPEX unit at CTP.
Troubleshoot and repair of Gas Conditioning System Chiller at RTP, which was tripping off.
Calibrated H_2S meters, which were giving inaccurate reads at JBL.

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

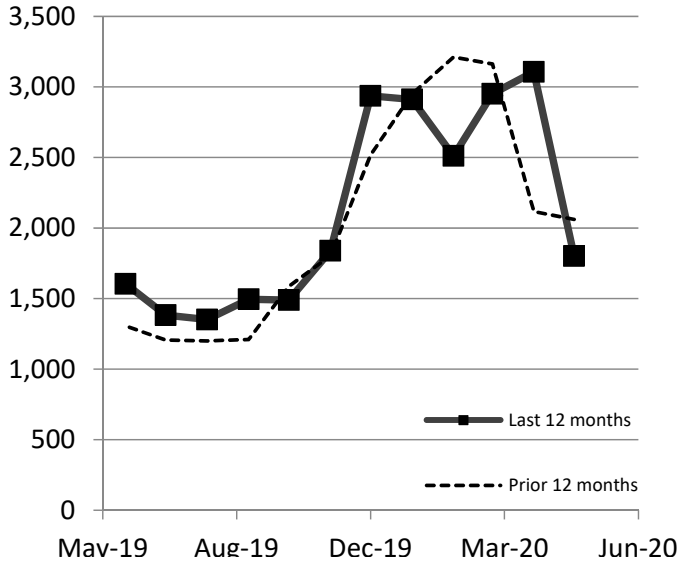
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report May, 2020

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.80	24.31%	1.80
EBSD			0.10	1.41%	0.10
SCWD	1.80	13.77%	0.00	-0.01%	1.80
MNWD	2.55	19.53%	2.19	29.59%	4.74
ETWD			1.87	25.31%	1.87
CSJC	2.78	21.27%			2.78
SMWD	3.09	23.68%			3.09
CSC	2.84	21.75%			2.84
IRWD			1.43	19.39%	1.43
Total	13.06	100.00%	7.39	100.00%	20.45
	or Acre-Feet per year equivalent				22,903

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

5/1/2020	1,801
4/1/2020	3,107
3/1/2020	2,952
2/1/2020	2,511
1/1/2020	2,911
12/1/2019	2,937
11/1/2019	1,839
10/1/2019	1,489
9/1/2019	1,495
8/1/2019	1,351
7/1/2019	1,382
6/1/2019	1,604
Total	25,379



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

May 2020

	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	Fall
DATE	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	inches
05/01/20	3.169	22.0	15.0	<0.3	1.612	15.6	9.2	<0.1	2.100	7.7	6.0	0.1	1.955	7.2	6.0	<0.1	0.344	0.628	0.125	9.933	0.00
05/02/20	3.353	21.0		<0.3	2.021	15.0		<0.1	2.58				1.848				0.348	0.611	0.110	10.871	0.00
05/03/20	3.371	28.0	14.0	<0.3	1.600	14.2		<0.1	2.390	9.2	9.0	0.1	2.270	6.0	5.0	<0.1	0.348	0.567	0.104	10.650	0.00
05/04/20	3.374	26.0	14.0	<0.3	2.510	12.2	5.5	<0.1	4.890	11.9	9.0	<0.1	2.289	4.9	6.0	<0.1	0.348	0.637	0.102	14.150	0.00
05/05/20	3.485	5.3	<2.4	<0.3	2.184	11.0	5.0	<0.1	5.970	13.4	7.0	0.1	1.796	3.1	4.0	<0.1	0.348	0.634	0.145	14.562	0.00
05/06/20	0.066				1.915	10.8	5.4	<0.1	4.690	15.4	8.0	0.2	2.160	8.7	5.0	0.1	0.348	0.632	0.112	9.923	0.00
05/07/20	No Flow				1.599	13.4	6.4	<0.1	5.170	15.7	7.0	0.3	2.034	5.1	5.0	<0.1	0.349	0.632	0.114	9.898	0.00
05/08/20	No Flow				1.323	13.8	6.3	<0.1	2.870	16.8	7.0	0.2	1.518	11.5	6.0	<0.1	0.348	0.578	0.116	6.753	0.00
05/09/20	No Flow				1.966	10.4		<0.1	2.810				1.272				0.349	0.338	0.112	6.847	0.00
05/10/20	No Flow				2.052	9.4		<0.1	2.770	19.4		<0.1	1.263	8.4	8.0	<0.1	0.349	0.338	0.121	6.893	0.00
05/11/20	No Flow				2.633	11.4	4.9	<0.1	1.900	14.8		0.1	2.182	6.0	5.0	0.1	0.378	0.337	0.117	7.547	0.00
05/12/20	No Flow				2.578	12.0	5.3	<0.1	1.740	13.4	21.0	0.1	1.723	10.9	7.0	<0.1	0.388	0.337	0.085	6.851	0.00
05/13/20	No Flow				2.415	15.2	7.2	<0.1	1.790	18.0	6.0	<0.1	1.742	7.7	4.0	0.1	0.410	0.336	0.119	6.812	0.00
05/14/20	No Flow				1.650	18.0	9.6	<0.1	1.820	10.2	6.0	0.1	1.692	7.6	5.0	<0.1	0.349	0.336	0.127	5.974	0.00
05/15/20	No Flow				1.516	14.8	7.9	<0.1	1.170	10.8	9.0	0.2	1.948	6.3	7.0	0.1	0.389	0.337	0.115	5.475	0.00
05/16/20	No Flow				2.049	12.0		<0.1	0.970	6.7	5.0	0.1	1.501				0.388	0.336	0.117	5.361	0.00
05/17/20	No Flow				2.014	11.6		<0.1	1.060	8.2	9.0	<0.1	2.068	10.8	9.0	<0.1	0.403	0.336	0.127	6.008	0.00
05/18/20	No Flow				2.617	10.4	3.9	<0.1	1.900	8.8	6.0	<0.1	2.383	7.2	6.0	<0.1	0.413	0.336	0.105	7.754	0.01
05/19/20	No Flow				2.042	8.2	4.0	<0.1	1.290	7.3	4.0	<0.1	1.742	5.0	5.0	<0.1	0.412	0.336	0.092	5.914	0.00
05/20/20	No Flow				1.786	10.8	4.9	<0.1	1.200	7.7	5.0	0.1	1.782	9.1	5.0	0.1	0.413	0.336	0.006	5.523	0.00
05/21/20	No Flow				1.520	9.2	4.7	<0.1	1.140	6.2	4.0	0.1	1.865	7.1	5.0	<0.1	0.461	0.524	0.088	5.598	0.00
05/22/20	No Flow				1.098	12.4	5.3	<0.1	1.040	6.5	5.0	0.1	2.196	5.3	5.0	0.1	0.497	0.601	0.104	5.536	0.00
05/23/20	No Flow				1.300	9.8		<0.1	1.040				1.795				0.436	0.596	0.047	5.214	0.00
05/24/20	No Flow				1.450	9.8		<0.1	1.110	5.8	6.0	0.1	2.379	9.8	7.0	<0.1	0.411	0.593	0.134	6.077	0.00
05/25/20	No Flow				1.336	13.0	5.8	<0.1	2.620	5.8	5.0	<0.1	2.197	7.0	6.0	<0.1	0.410	0.590	0.089	7.242	0.00
05/26/20	No Flow				2.407	8.4	4.8	<0.1	1.520	4.4	5.0	<0.1	2.100	7.0	5.0	<0.1	0.410	0.586	0.089	7.112	0.00
05/27/20	No Flow				1.741	8.8	4.7	<0.1	1.110	6.6	6.0	<0.1	1.604	2.4	3.0	<0.1	0.411	0.617	0.118	5.601	0.00
05/28/20	No Flow				1.731	9.8	5.6	<0.1	0.980	6.8	4.0	0.1	1.565	4.9	5.0	0.1	0.410	0.618	0.119	5.423	0.00
05/29/20	No Flow				1.614	9.2	5.7	<0.1	0.880	6.5	4.0	0.1	1.904	4.3	3.0	0.1	0.410	0.616	0.092	5.516	0.00
05/30/20	No Flow				1.814	8.4		<0.1	1.800				1.904				0.411	0.615	0.103	6.647	0.00
05/31/20	No Flow				1.915	10.2		<0.1	3.510	6.1	5.0	<0.1	2.270	5.2	6.0	<0.1	0.410	0.613	0.094	8.812	0.00
AVG	0.543	20.5	11.4	<0.3	1.871	11.6	5.8	<0.1	2.188	10.0	6.7	<0.1	1.902	6.9	5.5	<0.1	0.390	0.501	0.105	7.499	
TOTAL	16.82				58.01				67.83				58.95				12.10	15.53	3.248	232.48	0.01

Unified Beach Monitoring #1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1 2020
SAMPLE SOURCE: Surf zone
TYPE OF SAMPLE: Grab

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

Tidal Condition: Low Tide 1412
Weather: Clear
COMMENTS: S4 - No sample. Inaccessible due to beach closure.

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	05/06/20	1205	300	<10	<2	None	None	None	None	Green	62	Slightly Turbid		
S4	05/06/20	0	0	0	0	None	None	None	None	0		0		
S5	05/06/20	1430	200	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	05/06/20	1410	<100	<10	<2	None	None	None	None	Brown		Slightly Turbid		
WEST	05/06/20	1405	<100	<10	<2	None	None	None	None	Brown		Turbid		
S7	05/06/20	1355	<100	<10	2	None	None	None	None	Brown		Turbid		
S8	05/06/20	1345	<100	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	05/06/20	1330	<10	30	22	None	None	None	None	Brown		Turbid		
ACM1	05/06/20	1300	8,400	60	50	None	None	None	None	Brown		Turbid	Flowing	
S10	05/06/20	1250	200	<10	<2	None	None	None	None	Brown		Turbid		
S11	05/06/20	1235	200	10	2	None	None	None	None	Brown		Turbid		
S12	05/06/20	1220	<100	<10	<2	None	None	None	None	Brown		Turbid		

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

Unified Beach Monitoring #3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0821
Weather: Partly Cloudy
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	05/12/20	1000	<100	<10	<2	None	None	None	None	Green	68	Turbid		
S4	05/12/20	0940	<10	<10	<2	None	None	None	None	Green		Turbid		
S5	05/12/20	0930	<10	<10	6	None	None	None	None	Green		Turbid		
S6	05/12/20	0900	<10	<10	6	None	None	None	None	Green		Turbid		
WEST	05/12/20	0855	<100	<10	2	None	None	None	None	Green		Turbid		
S7	05/12/20	0850	<10	<10	2	None	None	None	None	Green		Turbid		
S8	05/12/20	0840	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	05/12/20	0810	<100	20	20	None	None	None	None	Green		Turbid		
ACM1	05/12/20	0805	<100	20	20	None	None	None	None	Green		Turbid	Flowing	
S10	05/12/20	0735	10	<10	2	None	None	None	None	Green		Slightly Turbid		
S11	05/12/20	0720	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	05/12/20	0715	<10	<10	<2	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 exc 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

Unified Beach Monitoring #4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0807
Weather: Clear
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	05/19/20	0920	<10	<10	4	None	None	None	None	Green	67	Slightly Turbid		
S4	05/19/20	0859	<10	<10	2	None	None	None	None	Green		Turbid		
S5	05/19/20	0850	<10	<10	2	None	None	None	None	Green		Turbid		
S6	05/19/20	0835	10	<10	2	None	None	None	None	Green		Turbid		
WEST	05/19/20	0825	<100	20	110	None	None	None	None	Green		Turbid		
S7	05/19/20	0820	<10	<10	<2	None	None	None	None	Green		Turbid		
S8	05/19/20	0815	<10	<10	<2	None	None	None	None	Green		Turbid		
S9	05/19/20	0755	<10	<10	2	None	None	None	None	Green		Turbid		
ACM1	05/19/20	0750	<10	<10	2	None	None	None	None	Green		Turbid		
S10	05/19/20	0740	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	05/19/20	0735	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S12	05/19/20	0730	10	<10	<2	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring #5

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 829
Weather: Overcast
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	05/28/20	805	<10	<10	<2	None	None	None	None	Green		Clear		
S4	05/28/20	1030	<10	<10	<2	None	None	None	None	Green		Clear		
S5	05/28/20	1020	10	<10	2	None	None	None	None	Green		Clear		
S6	05/28/20	955	80	10	6	None	None	None	None	Green		Clear		
WEST	05/28/20	950	10	10	2	None	None	None	None	Green		Clear		
S7	05/28/20	945	20	<10	4	None	None	None	None	Green		Clear		
S8	05/28/20	935	<100	30	10	None	None	None	None	Blue		Clear		
S9	05/28/20	920	100	20	10	None	None	None	None	Green		Slightly Turbid		
ACM1	05/28/20	855	<100	20	16	None	None	None	None	Brown	63	Slightly Turbid	Flowing	
S10	05/28/20	845	10	10	6	None	None	None	None	Green		Clear		
S11	05/28/20	835	<100	10	4	None	None	None	None	Green		Clear		
S12	05/28/20	825	<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.

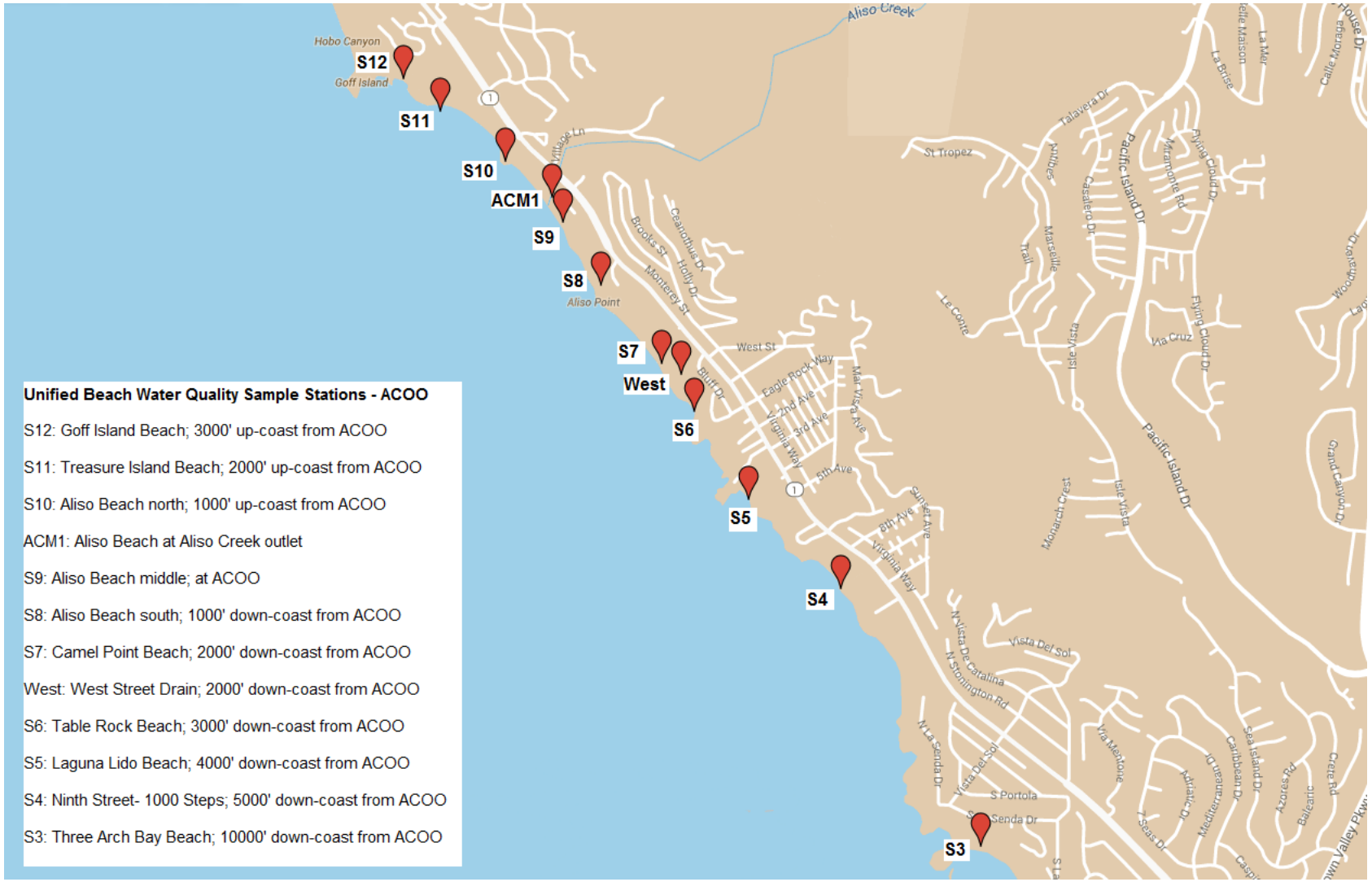
Aliso Creek Ocean Outfall

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

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



MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall
REPORT FOR: May 2020
REPORT DUE: July 1, 2020
SAMPLE SOURCE: Receiving water, nearshore and offshore
EXACT SAMPLE POINTS: As specified in permit
SAMPLES COLLECTED BY: Seaventures/SOCWA staff
SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly
TYPE OF SAMPLE: Grab

Comments: Low Tide 0932

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris
A-1	Surface	05/13/20	<2	<2	2	806	0	0
A-1	Mid depth	05/13/20	<10	<10	<10			
A-2	Surface	05/13/20	<2	<2	<2	740	0	0
A-2	Mid depth	05/13/20	10	<10	<10			
A-3	Surface	05/13/20	<2	2	<2	747	0	0
A-3	Mid depth	05/13/20	<10	<10	<10			
A-4	Surface	05/13/20	<2	<2	<2	758	0	0
A-4	Mid depth	05/13/20	<10	<10	<10			
A-5	Surface	05/13/20	<2	<2	<2	751	0	0
A-5	Mid depth	05/13/20	<10	<10	<10			
B-1	Surface	05/13/20	<2	<2	<2	730	0	0
B-1	Mid depth	05/13/20	<10	<10	<10			
B-2	Surface	05/13/20	<2	<2	<2	814	0	0
B-2	Mid depth	05/13/20	20	<10	<10			
N1	Surface	05/13/20	2	<2	<2	847	0	0
N2	Surface	05/13/20	>=6	<2	<2	843	0	0
N3	Surface	05/13/20	>=12	2	2	840	0	0
N4	Surface	05/13/20	>=10	<2	<2	837	0	0
N5	Surface	05/13/20	>=10	<2	2	834	0	0
N6	Surface	05/13/20	>=6	<2	<2	830	0	0
N7	Surface	05/13/20	4	<2	<2	828	0	0

0 - None
1 - Mild
2 - Moderate
3 - Severe

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

Compliance Summary Report
Aliso Creek Ocean Outfall 2020

ACOO Permit Order No. R9-2012-0013							
Agency - Facility	**Violation Date**	**Constituent**	**Effluent Limit Violation**	**Units**	**Permit Limit**	**Reported Value**	**Potential Fine**
No Violations in this Reporting Period							

SOCWA and MEMBER AGENCY FACILITIES
ACOO Spill / Overflow Report Log - 2020
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 reporting period.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

May 2020

	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC Desalter	SCWD Desalter	SJCOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	Fall
DATE	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	inches
05/01/20	6.000	8.2	6.0	0.1	3.525	3.3	2.0	<0.1	1.360	5.8	3.5	<0.1	1.514				0.147	0.205	13.040	0.00
05/02/20	6.310				3.866				1.220				1.493				0.228	0.202	13.760	0.00
05/03/20	6.410	5.0	7.2	<0.1	3.424				3.450				1.543	14.6	12.8	ND	0.416	0.200	13.710	0.00
05/04/20	6.370	9.4	6.9	<0.1	3.601	3.8	8.0	<0.1	2.570	7.8	8.3	0.2	1.088	9.6	9.4	ND	0.416	0.205	14.220	0.00
05/05/20	6.530	8.4	3.9	<0.1	3.447	3.6	8.0	<0.1	1.920	6.0	7.4	0.1	0.110	8.6	6.6	ND	0.389	0.200	17.000	0.00
05/06/20	6.300	6.2	4.1	0.1	3.629	3.4	6.0	<0.1	1.650	5.3	3.6	0.3	0.289	9.6	7.8	ND	0.402	0.206	15.250	0.00
05/07/20	6.020	9.5	4.1	0.1	2.714	3.8	8.0	<0.1	0.640	8.6	3.8	0.3	1.525	8.8	7.1	ND	0.415	0.203	13.370	0.00
05/08/20	5.890	8.9	5.2	0.2	3.218	3.8	7.0	<0.1	0.130	7.4	3.4	0.2	1.567				0.415	0.205	12.550	0.00
05/09/20	6.150				2.181				0.030				1.633				0.416	0.201	13.050	0.00
05/10/20	6.280	5.7	5.0		2.948				1.770				1.532	9.6	7.9	ND	0.187	0.201	12.420	0.00
05/11/20	5.960	13.5	5.9	<0.1	2.659	4.1	7.0	<0.1	2.350	8.6	8.1	0.4	1.563	10.2	8.6	ND	0.000	0.206	12.270	0.00
05/12/20	6.000	11.0	5.8	0.1	2.893	4.1	7.0	<0.1	1.140	5.0	7.3	0.1	1.509	17.0	14.8	ND	0.000	0.201	13.970	0.00
05/13/20	6.210	9.4	6.1	<0.1	2.727	4.7	4.0	<0.1	0.750	5.8	4.7	0.2	1.528	11.6	9.5	ND	0.000	0.206	14.020	0.00
05/14/20	6.510	7.3	5.0	0.1	2.528	4.8	4.0	<0.1	0.410	4.6	5.0	0.1	1.491	10.8	8.8	ND	0.032	0.200	12.900	0.00
05/15/20	6.040	8.3	5.9	0.1	2.710	10.8	6.0	<0.1	1.620	3.8	5.8	<0.1	1.460				0.210	0.202	11.900	0.00
05/16/20	5.930				2.622				1.700				1.652				0.079	0.205	11.650	0.00
05/17/20	5.970	20.7	11.9		2.830				2.340				1.545	16.2	12.0	ND	0.251	0.202	13.300	0.00
05/18/20	5.990	6.7	7.6	0.2	3.001	4.8	8.0	<0.1	2.490	6.4	7.4	0.1	1.563	13.6	9.4	ND	0.422	0.202	13.180	0.01
05/19/20	6.250	4.2	5.0	0.1	3.098	4.2	7.0	<0.1	1.250	8.2	9.2	0.1	1.536	10.2	8.4	ND	0.426	0.205	14.660	0.00
05/20/20	5.850	6.9	5.0	0.1	2.626	3.6	9.0	<0.1	0.170	8.3	4.7	0.2	1.488	14.4	11.6	ND	0.396	0.201	15.000	0.00
05/21/20	6.080	11.4	5.2	0.1	2.182	4.0	3.0	<0.1	0.000				1.409	10.2	9.2	ND	0.417	0.181	12.880	0.00
05/22/20	6.180	10.1	6.0	0.1	2.563	3.8	2.0	<0.1	0.080	3.0	2.7	0.2	1.354				0.418	0.206	11.730	0.00
05/23/20	6.660				1.805				0.020				1.502				0.417	0.200	11.410	0.00
05/24/20	6.190	6.0	6.0		3.075				0.000				1.489	12.2	11.0	ND	0.417	0.202	11.610	0.00
05/25/20	6.210	4.0	5.0	<0.1	2.558	3.4	7.0	<0.1	0.030	2.6	7.9	<0.1	1.512	13.4	10.8	ND	0.417	0.206	11.740	0.00
05/26/20	6.440	10.0	7.7	<0.1	2.751	3.1	7.0	<0.1	0.000				0.151	9.0	7.4	ND	0.417	0.200	11.810	0.00
05/27/20	6.310	6.7	5.0	<0.1	2.403	3.4	2.0	<0.1	0.480	5.2	4.9	0.3	0.043	13.6	11.8	ND	0.375	0.205	12.320	0.00
05/28/20	6.080	6.7	4.1	0.2	2.390	3.8	2.0	<0.1	2.090	3.5	3.9	<0.1	0.039	7.8	7.2	ND	0.417	0.202	10.410	0.00
05/29/20	6.320	4.7	5.0	0.1	2.466	10.4	8.0	<0.1	2.860	10.4	7.9	0.3	0.259				0.421	0.204	10.070	0.00
05/30/20	6.150	7.0	7.3		2.379				2.800				0.199				0.421	0.201	12.910	0.00
05/31/20	6.350	5.5	8.2		3.189				3.050				0.041	9.6	7.5	ND	0.423	0.201	12.980	0.00
AVG	6.192	8.2	5.9	<0.1	2.839	4.5	5.8	<0.1	1.302	6.1	5.8	<0.2	1.149	11.5	9.5	ND	0.316	0.202	12.938	
TOTAL	191.940				88.008				40.370				35.627				9.807	6.266	401.090	0.01

Unified Beach Monitoring #1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0736
Weather: Overcast
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	05/04/20	856	120	130	80	None	None	None	None	Green	63	Turbid		200
S1	05/04/20	910	60	<20	4	None	None	None	None	Green		Turbid		
S2	05/04/20	828	<20	20	6	None	None	None	None	Green	63	Turbid		
DSB5	05/04/20	816	80	20	220	None	None	None	None	Green		Turbid		
S3	05/04/20	914	40	<20	<2	None	None	None	None	Green		Turbid		
DSB4	05/04/20	915	<20	<20	<2	None	None	None	None	Green		Turbid		
S5	05/04/20	928	1,600	<20	<2	None	None	None	None	Green		Turbid		
DSB1	05/04/20	935	60	<20	4	None	None	None	None	Green		Turbid		
SJC1	05/04/20	901	3,000	2,700	1,900	None	None	None	None	Green		Turbid	Flowing	200

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

Unified Beach Monitoring #2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0734
Weather: Partly Cloudy
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	05/11/20	852	200	100	74	None	None	None	None	Brown	61	Turbid		
S1	05/11/20	905	20	<20	20	None	None	None	None	Brown	64	Turbid		
S2	05/11/20	812	60	20	4	None	None	None	None	Brown		Turbid		
DSB5	05/11/20	800	40	<20	38	None	None	None	None	Brown		Turbid		
S3	05/11/20	907	20	<20	8	None	None	None	None	Brown	64	Turbid		
DSB4	05/11/20	908	40	20	24	None	None	None	None	Brown		Turbid		
S5	05/11/20	916	<20	<20	20	None	None	None	None	Brown		Turbid		
DSB1	05/11/20	920	<20	<20	2	None	None	None	None	Brown		Turbid		
C1	05/11/20	845	1,600	1,600	690	None	None	None	None	Brown	64	Turbid	Flowing	

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

Unified Beach Monitoring #3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0745
Weather: Overcast
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	05/18/20	834	<20	100	12	None	None	None	None	Green		Turbid		
S1	05/18/20	845	180	300	18	None	None	None	None	Green		Turbid		
S2	05/18/20	809	20	<20	<2	None	None	None	None	Green		Turbid		
DSB5	05/18/20	750	100	40	4	None	None	None	None	Green	69	Turbid	Flowing	
S3	05/18/20	849	80	<20	14	None	None	None	None	Green		Turbid		
DSB4	05/18/20	850	40	20	10	None	None	None	None	Green		Turbid		
S5	05/18/20	900	40	<20	10	None	None	None	None	Green		Turbid		
DSB1	05/18/20	906	40	<20	6	None	None	None	None	Green	63	Turbid		
C1	05/18/20	838	100	300	60	None	None	None	None	Green		Turbid	Flowing	

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

Unified Beach Monitoring #4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: May 2020
REPORT DUE: July 1, 2020
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 0648
Weather: Overcast
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	05/27/20	840	40	40	14	None	None	None	None	Green	64	Turbid		
S1	05/27/20	855	40	<20	<2	None	None	None	None	Green		Turbid		
S2	05/27/20	820	20	20	6	None	None	None	None	Green		Slightly Turbid		
DSB5	05/27/20	810	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S3	05/27/20	900	40	<20	8	None	None	None	None	Green		Turbid		
DSB4	05/27/20	901	<20	<20	6	None	None	None	None	Green		Turbid		
S5	05/27/20	910	<20	20	12	None	None	None	None	Green		Turbid		
DSB1	05/27/20	920	60	20	<2	None	None	None	None	Green	64	Turbid		
C1	05/27/20	845	100	<100	10	None	None	None	None	Green		Turbid		100

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 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

Unified Beach Water Quality Sample Stations - SJCOO

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: May 2020 REPORT FREQUENCY: Monthly
REPORT DUE: July 1, 2020
SAMPLE SOURCE: Receiving water, nearshore and offshore SAMPLING FREQUENCY: Monthly
EXACT SAMPLE POINTS: As specified in permit TYPE OF SAMPLE: Grab
SAMPLES COLLECTED BY: Seaventures/SOCWA staff
SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 932

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris
A-1	Surface	05/13/20	<2	<2	<2	940	0	0
A-1	Mid depth	05/13/20	<10	<10	<10			
A-2	Surface	05/13/20	<2	<2	<2	945	0	0
A-2	Mid depth	05/13/20	<10	<10	<10			
A-3	Surface	05/13/20	<2	<2	<2	949	0	0
A-3	Mid depth	05/13/20	<10	<10	<10			
A-4	Surface	05/13/20	<2	<2	<2	1000	0	0
A-4	Mid depth	05/13/20	10	<10	<10			
A-5	Surface	05/13/20	<2	<2	<2	956	0	0
A-5	Mid depth	05/13/20	100	90	10			
B-1	Surface	05/13/20	<2	<2	<2	932	0	0
B-1	Mid depth	05/13/20	<10	10	<10			
B-2	Surface	05/13/20	<2	<2	<2	1009	0	0
B-2	Mid depth	05/13/20	<10	<10	<10			
N1	Surface	05/13/20	<2	<2	<2	923	0	0
N2	Surface	05/13/20	2	<2	<2	919	0	0
N3	Surface	05/13/20	6	4	2	917	0	0
N4	Surface	05/13/20	<2	<2	<2	913	0	0
N5	Surface	05/13/20	<2	<2	<2	909	0	0
N6	Surface	05/13/20	<2	<2	6	907	0	0

0 - None
1 - Mild
2 - Moderate
3 - Severe

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

Compliance Summary Report
San Juan Creek Ocean Outfall 2020

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

SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2020
Order No. R9-2012-0012 ~ NPDES Permit No. CA0107417

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

Recycled Water Report

2020 Compliance Summary Report
Recycled Water Permit

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD- 3A	1/6/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	1/17/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	1/17/2020	TDS	12-Month	mg/L	1000	1062	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	2/5/2020	TDS	12-Month	mg/L	1000	1042	
SOCWA - CTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.06	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	3/3/2020	TDS	12-Month	mg/L	1000	1032	
SOCWA - CTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/2/2020	TDS	12-Month	mg/L	1000	1050	
SOCWA - CTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	5/13/2020	Coliform	Instantaneous	cfu/100mL	240	961	Sample contamination reported.
SOCWA - RTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	5/1/2020	TDS	12-Month	mg/L	1000	1078	
SOCWA - CTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	Not Reported	Manganese	12-Month	mg/L	0.05	0.07	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: May 31, 2020

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average ***
TDS	mg/L	1000	855	683	814	878	837	1,078	868
Chloride	mg/L	375	232	177	136	249	194	239	212
Sulfate	mg/L	400	242	209	187	183	229	296	238
Sodium	mg/L	None	175	133	153	200		170	148
Alkalinity	mg/L	None	-	-	-	-	238	269	197
Adjusted SAR	Ratio	None	68.03	4.62	4.89	5.91	3.83	4.38	4.28
Iron	mg/L	0.3	0.027	0.008	0.147	0.133	0.16	0.386	0.134
Manganese	mg/L	0.05	0.018	0.014	0.030	0.006	0.067	0.100	0.067
MBAS	mg/L	0.5	0.04	0.10	0.25	0.32	0.40	0.10	0.10
Boron	mg/L	0.75	0.286	0.320	0.340	0.397	0.32	0.343	0.31
Fluoride	mg/L	None	0.37	0.783	0.60	0.59	1.07	0.77	0.72
Total Organic Carbon	mg/L	None	8.7	13.7	11.3	10.4	7.5	11.3	9.8

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

TDS	1000 mg/L
Chloride	180 mg/L
Sulfate	340 mg/L

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

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

SOCWA Service Area
Recycled Water Production (ac-ft) 2020

Agency	Facility or Region	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00	7.07								7.07
CSJC 2	Chiquita/SMWD	0.02	12.69	9.95	9.10	32.04								63.79
CSJC 3	Non-Domestic Well	8.63	8.63	2.75	6.73	27.41								54.15
ETWD	Region 8	26.43	52.97	29.86	59.75	168.02								337.02
IRWD														
[4]	IRWD - 8	54.89	83.88	50.90	36.29	137.20								363.16
[4]	IRWD - 9	26.02	46.16	24.48	23.10	77.28								197.05
SCWD	SOCWA CTP	22.75	48.17	22.67	39.78	114.47								247.85
MNWD	JRP	101.06	197.36	111.65	234.19	535.80								1180.05
	3-A Plant	41.27	0.00	0.00	0.00	38.21								79.48
[5]	CTP	1.02	4.83	3.49	8.29	20.47								38.10
SMWD	Oso Creek	151.09	137.88	159.15	82.28	152.12								682.51
	Chiquita	64.63	293.17	180.82	132.12	385.36								1056.10
	Nichols	1.49	1.46	1.48	1.48	1.59								7.50
TCWD	RRWRP	50.40	45.36	38.43	37.68	54.53								226.39
TOTALS		549.70	932.55	635.63	670.78	1751.56								4540.22

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

Agenda Item 7e

Board of Directors Meeting

Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: June 2020 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 – Fiscal Year 19-20

   A eight (8) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculation 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 to 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) Fiscal Year Report on Key Operational Expenses

   These charts include tracking of monthly expenses for key operational expenses with estimated projections for the Fiscal Year. The key parameters that are being tracked are Electricity, Odor Control, Polymer, Biosolids, Maintenance expenses (not including SOCWA staff labor), small capital purchases, and safety.

4) Beach Ocean Monitoring Report

5) Recycled Water Report

6) Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report June, 2020

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.55	7.78	6.06	0.93	17.33
Effluent (mgd)	2.37	1.92	6.06	1.18	11.54
Peak Flow (mgd)	6.32	17.72	10.00	8.77	42.81
Influent BOD (mg/l)	307	271	575	257	
Influent TSS (mg/l)	402	308	1,439	531	
Effluent BOD (mg/l)	5.9	4.7	8.1	7.7	
Effluent TSS (mg/l)	8.0	5.2	10.6	8.0	
Effluent Turbidity (NTU)	4.2	2.6	4.5	3.8	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.96	5.86		6.82
Days of Operation (days)	30	30		
Total Flow (million gallons)	28.8	175.8		204.6
Plant Irrigation (million gallons)	0.00	0.11	0.29	
AWT Time Online (%)	90.0	99.0		

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 June, 2020 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		763.6	0.0	763.6
Nursery Products (tons)		427.7	695.9	1,123.6
Prima Deshecha (tons)		37.0	131.0	168.0
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,228.3	826.9	2,055.2

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance(1)	NA	NA	NA	NA
Corrective Maintenance (1)	NA	NA	NA	NA

(1) Tabware being updated. July 1 is the anticipated go live date for the new database.

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	2	0	1	3
Member Agency	0	0	5	5
Residents	0	0	0	0
Others	9	4	0	13
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	6.5	25.4	NA	31.9

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	44.8	NA	44.8
Utility Power Purchase (kWh)	NA	48,831	207,582	256,413
Cogen Power (kWh)		576,194	426,935	1,003,129
Natural Gas (Dth)	NA	1,732	1,497	3,229
Digester Gas to Engine (scfm)		8,214,627	5,362,800	13,577,427
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		439,091	452,284	891,375
Digester Gas Power Savings		$69,283		

(1) The bills to calculate these values are received after this report is prepared for the Board meeting, but will be available upon request at the Board meeting.

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 June, 2020 (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	1.801	67.65%				1.80
EBSD	0.124	4.65%				0.12
SCWD	0.738	27.71%		1.648	23.58%	2.39
MNWD	0.000	0.00%	7.78	1.400	20.03%	9.18
CSJC				2.205	31.54%	2.20
SMWD				1.737	24.85%	1.74
Total	2.663	100.00%	7.78	6.990	100.00%	17.44

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.80	26.18%	1.80	
EBSD				0.12	1.80%	0.12	
SCWD	1.95	17.56%		0.36	5.24%	2.31	Includes Desalters
MNWD	1.54	13.91%		1.92	27.96%	3.46	
ETWD				1.75	25.45%	1.75	Direct Outfall Only
CSJC	2.60	23.50%				2.60	Incudes Desalter
SMWD	2.40	21.70%				2.40	Includes Chiquita
CSC	2.58	23.33%				2.58	Direct Outfall Only
IRWD				0.92	13.38%	0.92	Direct Outfall Only
Total	11.07	100.00%	6.74	6.88	100.00%	17.95	

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%	2.12	31.98%	2.205	31.54%	2.13	32.36%
MNWD	3.00	23.08%	1.40	21.12%	1.400	20.03%	1.40	21.29%
SCWD	3.75	28.85%	1.70	25.64%	1.648	23.58%	1.62	24.58%
SMWD	2.25	17.31%	1.41	21.27%	1.737	24.85%	1.43	21.77%
Total	13.00	100.00%	6.63	100.00%	6.990	100.00%	6.58	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,767	24.54%	5,559	22.20%	5,881	28.25%
MNWD	8,340	21.62%	4,396	18.70%	6,054	24.18%	5,582	26.81%
SCWD	7,715	20.00%	5,391	22.94%	5,915	23.62%	5,418	26.03%
SMWD	10,946	28.38%	7,949	33.82%	7,512	30.00%	3,938	18.92%
Total	38,573	100.00%	23,503	100.00%	25,040	100.00%	20,820	100.00%

Project Committee No. 5 - Effluent Pumping Station (SJCOO EPS)

Agency	Own (%)	Variable Budget (mgd)	Variable Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	Month EPS Outfall Flow (mgd)	Month EPS Outfall Flow (%)
CSC	16.62%	2.531	21.57%	2.58	23.33%		
CSJC	11.08%	2.348	20.01%	2.60	23.50%	2.20	31.54%
MNWD(3)	15.51%	2.013	17.16%	1.54	13.91%	1.40	20.03%
SCWD	12.47%	1.740	14.83%	1.95	17.56%	1.65	23.58%
SMWD	44.32%	3.101	26.43%	2.40	21.70%	1.74	24.85%
Total	100.00%	11.733	3.10%	11.07	100.00%	6.99	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.

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

Project Committee No. 5 - Outfall (SJCOO)

Agency	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)	FY Avg EPS Outfall Flow (mgd)	FY Avg EPS Outfall Flow (%)
CSC	2.854	22.39%		
CSJC	2.627	20.62%	2.13	32.36%
MNWD	2.309	18.12%	1.40	21.29%
SCWD	1.808	14.19%	1.62	24.58%
SMWD	3.146	24.69%	1.43	21.77%
Total	12.745	100.00%	6.58	100.00%

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%	1.770	59.00%	1.801	67.65%	1.652	60.95%
EBSD	0.20	2.99%	0.050	1.67%	0.124	4.65%	0.059	2.19%
SCWD	2.00	29.85%	1.180	39.33%	0.738	27.71%	1.000	36.87%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	3.000	100.00%	2.663	100.00%	2.711	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	0.01220	0.157%	0.0000	0.0144	0.0144	0.18%	0.0124	0.16%
EBSD	0.00040	0.005%	0.0000	0.0010	0.0010	0.01%	0.0004	0.01%
SCWD	0.00810	0.104%	0.0000	0.0059	0.0059	0.07%	0.0075	0.10%
ETWD	0.01410	0.181%	0.0000	0.0160	0.0160	0.20%	0.0156	0.20%
MNWD	7.75000	99.553%	7.7843	0.0636	7.8480	99.53%	7.7888	99.54%
Total	7.78480	100.000%	7.7843	0.1009	7.8852	100.00%	7.8247	100.00%

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

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	12.48%	151,119	14.23%	140,995	12.88%
EBSD	295	0.59%	158	0.38%	10,377	0.98%	5,057	0.46%
SCWD	4,480	8.96%	3,546	8.62%	61,894	5.83%	85,141	7.78%
ETWD	10,200	20.41%	5,755	13.99%	168,890	15.90%	176,385	16.11%
MNWD	29,395	58.82%	26,532	64.52%	670,022	63.07%	687,343	62.78%
Total	49,975	100.00%	41,124	100.00%	1,062,302	100.00%	1,094,921	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.000%	1.89	17.73%	1.801	26.18%	1.652	15.21%
EBSD	0.780%	0.05	0.47%	0.124	1.80%	0.059	0.55%
ETWD	16.302%	2.46	23.08%	1.751	25.45%	2.502	23.02%
IRWD	15.760%	2.48	23.26%	0.921	13.38%	2.638	24.28%
MNWD	43.848%	3.08	28.89%	1.924	27.96%	3.557	32.74%
SCWD	12.310%	0.70	6.57%	0.360	5.24%	0.456	4.20%
Total	100.000%	10.66	100.00%	6.881	100.00%	10.865	100.00%

Select Critical Equipment Repairs

JBL - PC2

Removed and replaced Raw Sewage Pump #7, which had failed due to a hole in the volute.
Removed and installed a new Centrifuge Feed Pump grinder, which was failing.
Installed a new 9-side grit tank bypass airline to increase operational capabilities.
Installed a new drive unit on Primary Tank #9 due to mechanical obsolescence.
Performed in-house rebuild of TWAS Pump #2, which had a failing mechanical seal.
Integrated Digester #3 and #4 bypass lines into carbon filtration filters for methane purge.
Rebuilt and reinstalled a thermal operated shutoff valve at the Flame arrestor for Digester #2.
Performed shutdown maintenance of Secondary Tank #4 idler gears, which required re-greasing.
Adjusted the timing and slack of flight chains for Secondary Tank #2 during plant shutdown.

CTP - PC15

Replaced all faded safety-related signage around the automatic gate system.
Installed new pressure gauges on Aeration Blowers Nos. 1 and 2 gearboxes, which were failing.
Replaced standby generator batteries, which were due to be replaced.

RTP - PC17

Removed old RAS piping to create space for new metering.
Fabricated and prepared new piping for flow meter replacement, which had become nonfunctioning.
Installed new propane containment cages for compliance with SOCWA safety regulations.
Performed rebuilds on RAS Pump Nos. 5 and 2, which were beginning to fail.
Installed new Bleach Tank to replace old leaking fiberglass vessel.
Replumbed all airlines that pass to AWT 2 Filter Cell #3 valves, which were leaking.

Support Services - ALL PC'S

Installed automation for Plant 2 Headworks at JBL.
Performed Hot Standby scripting troubleshooting at RTP.
Troubleshot Digester 1 &2 PLC and communication program update at JBL.
Troubleshot Mixed Liquor Channel Probe at JBL.
Troubleshot AWT Cell backwash failure at RTP.
Recalibrated turbidity meter, which was reading high at CTP.
Performed troubleshooting and calibration of the Vapex unit, which was giving an inaccurate reading.
Replaced AWT 2 Cell #1 outlet trough valve solenoid, which was sticking closed at CTP.
Replaced AWT 2 Cell #3 pressure disk, which was preventing the cell from backwash operation at RTP.
Troubleshot Aeration Tank #5 AUMA valve at JBL, which was not closing.
Replaced Centrifuge #2 wash water solenoid at RTP, which had failed.
Installed a new TSS probe at Mixed Liquor Channel at JBL to replace the failing unit.
Installed a new TWAS Flowmeter electrical board, which was failing at RTP.
Repaired Dynablend #3 flowmeter, which was becoming clogged at RTP.
Replaced failing solenoid for AWT Cell #2 inlet valve at CTP.
Failing TWAS Flowmeter display at CTP was replaced.
Performed tuning of Jenbacher DIA.NE to lower NOX emissions.
Repaired JBL engine room fresh air fan, which had a shifting motor base causing misalignment.

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

Select Critical Equipment Repairs (cont'd)

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

Calibrated inlet O_2 analyzer on the CEMS unit, which was drifting out of specification at RTP.

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

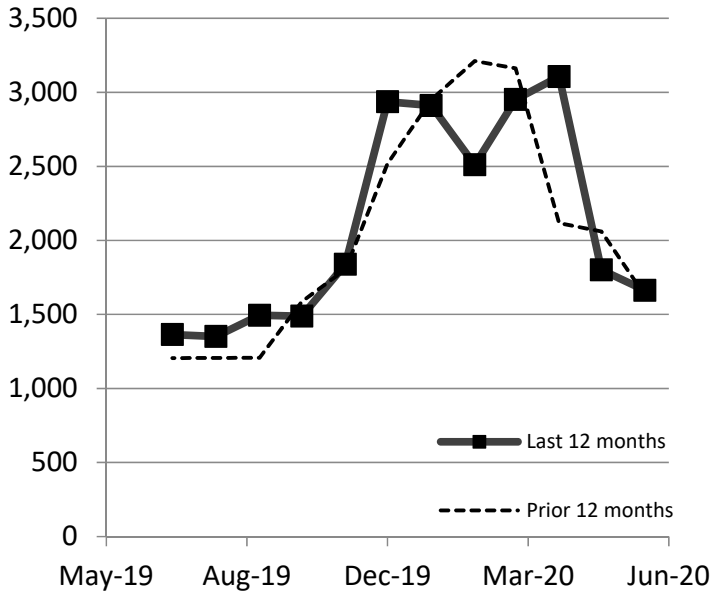
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report June, 2020

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.80	26.18%	1.80
EBSD			0.12	1.80%	0.12
SCWD	1.95	17.56%	0.36	5.24%	2.31
MNWD	1.54	13.91%	1.92	27.96%	3.46
ETWD			1.75	25.45%	1.75
CSJC	2.60	23.50%			2.60
SMWD	2.40	21.70%			2.40
CSC	2.58	23.33%			2.58
IRWD			0.92	13.38%	0.92
Total	11.07	100.00%	6.88	100.00%	17.95
	or Acre-Feet per year equivalent				20,109

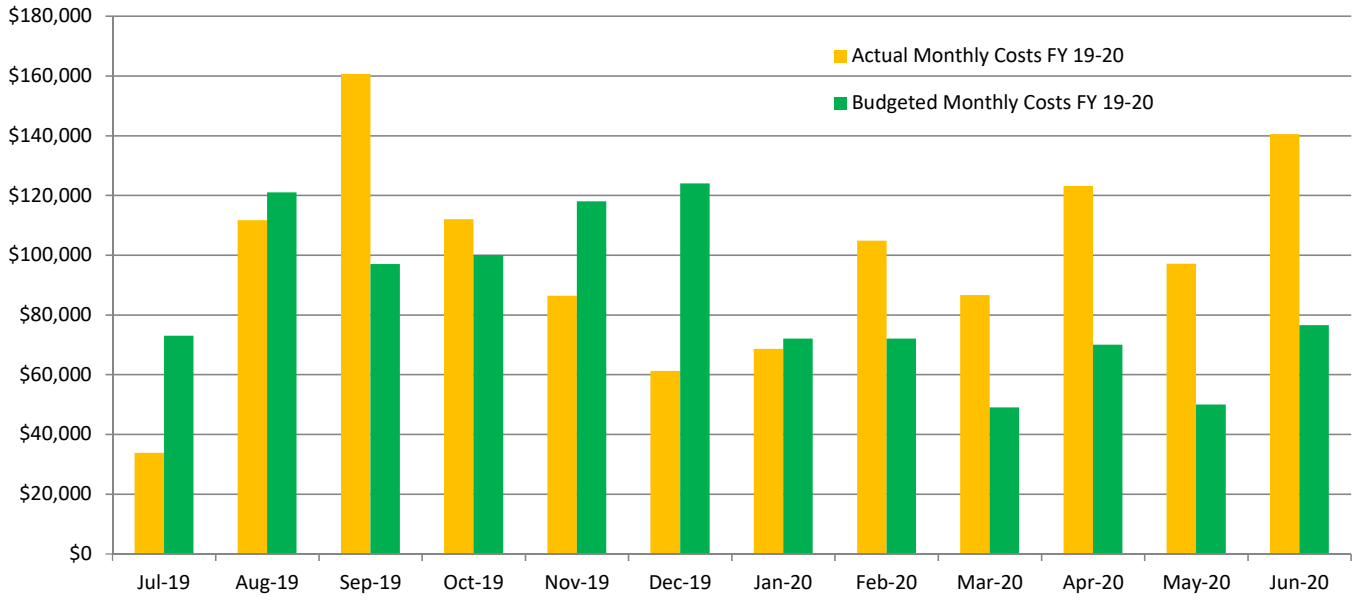
12-Month Running Total Discharge to Ocean Outfalls (AF)

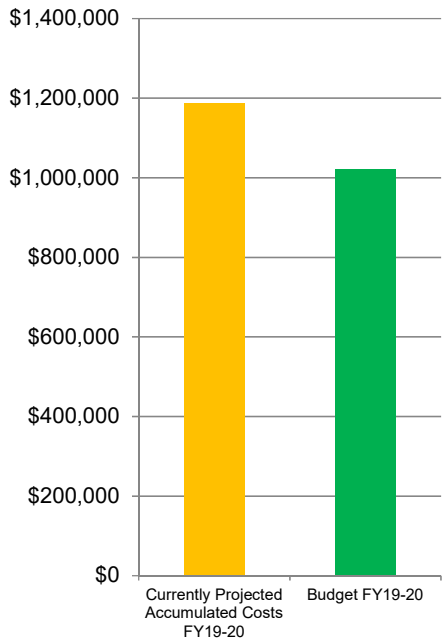
Jun-20	1,663
May-20	1,801
Apr-20	3,107
Mar-20	2,952
Feb-20	2,511
Jan-20	2,911
Dec-19	2,937
Nov-19	1,839
Oct-19	1,489
Sep-19	1,495
Aug-19	1,351
Jul-19	1,365
Total	25,419



Quarterly Report on Key Operational Expenses

Electricity (5002) Costs



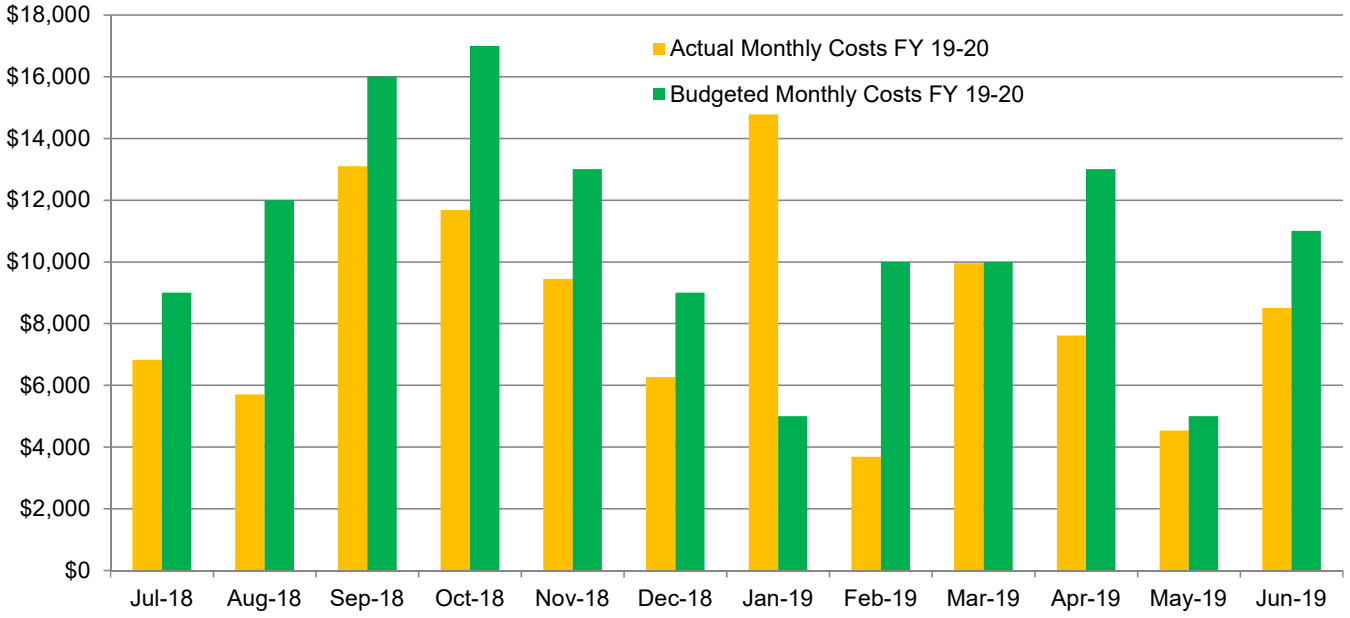


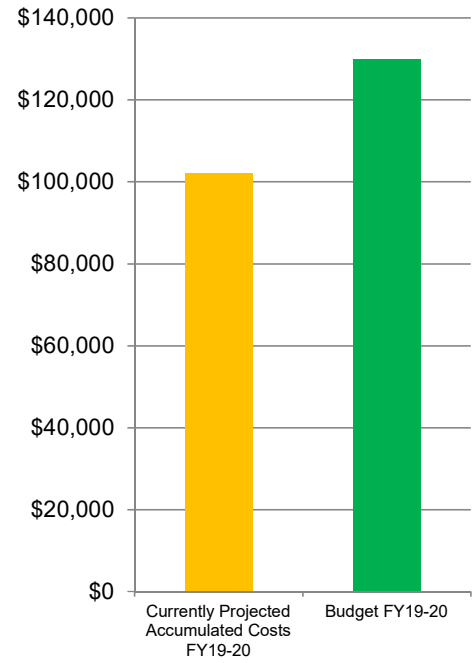
	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Actual Monthly Costs FY 19-20	$33,806	$111,663	$160,639	$111,957	$86,370	$61,278	$68,640	$104,777	$86,598	$123,109	$97,119	$140,454
Budgeted Monthly Costs FY 19-20	$73,000	$121,000	$97,000	$100,000	$118,000	$124,000	$72,000	$72,000	$49,000	$70,000	$50,000	$76,500

Currently Projected Accumulated Costs FY19-20	$1,186,410
Budget FY19-20	$1,022,500
Currently Projected Under(+)/Over (-) Budget	-$163,910

Notes: 1) June 2020 actuals were estimated and was unavailable at the time of report production.
2) February and March were corrected by SDGE and included in the June 2020 values

Odor Control (5009) Costs



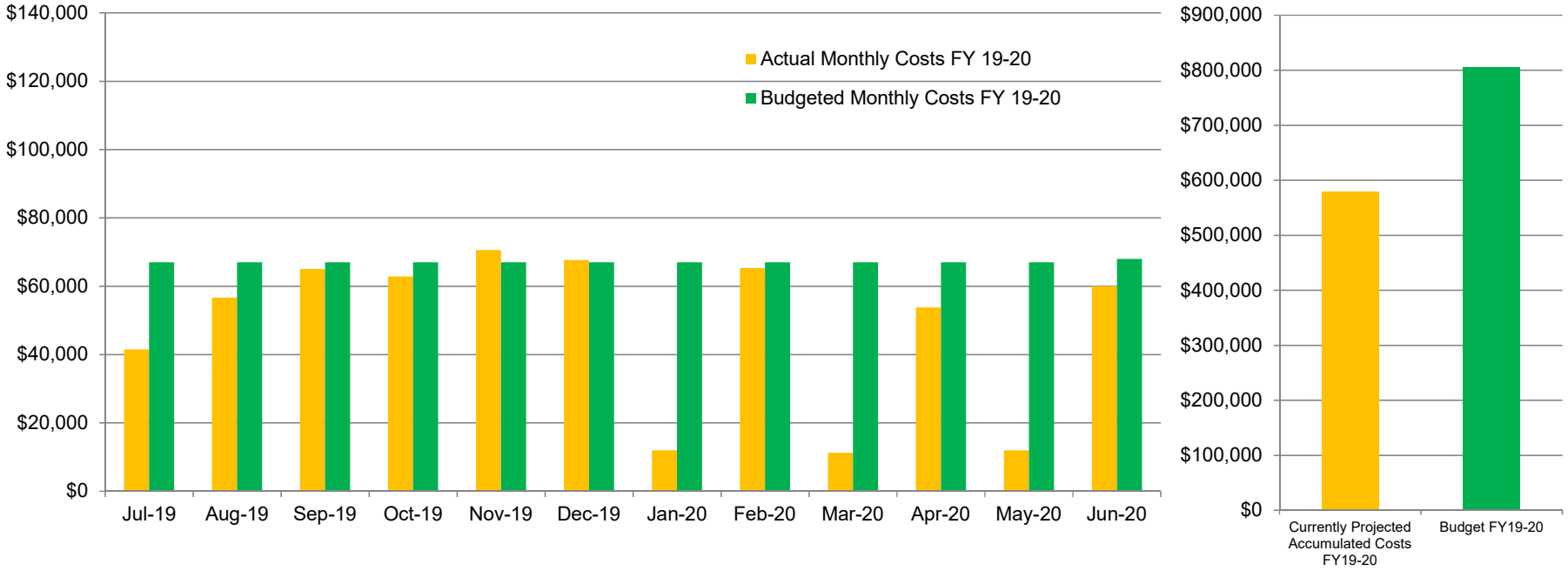


	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
Actual Monthly Costs FY 19-20	$6,827	$5,707	$13,094	$11,675	$9,451	$6,263	$14,773	$3,678	$9,951	$7,611	$4,533	$8,500
Budgeted Monthly Costs FY 19-20	$9,000	$12,000	$16,000	$17,000	$13,000	$9,000	$5,000	$10,000	$10,000	$13,000	$5,000	$11,000

Currently Projected Accumulated Costs FY19-20	$102,063
Budget FY19-20	$130,000
Currently Projected Under(+)/Over (-) Budget	$27,937

Note: 1) June 2020 actuals were estimated and was unavailable at the time of report production.

Polymer (5007) Costs

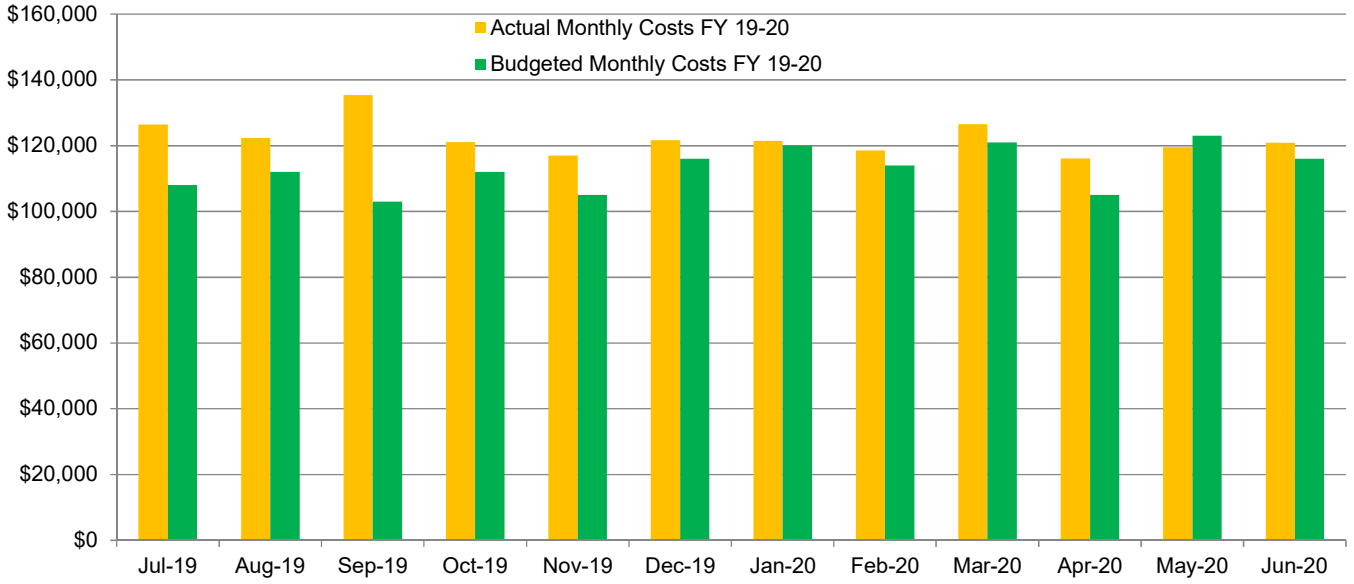


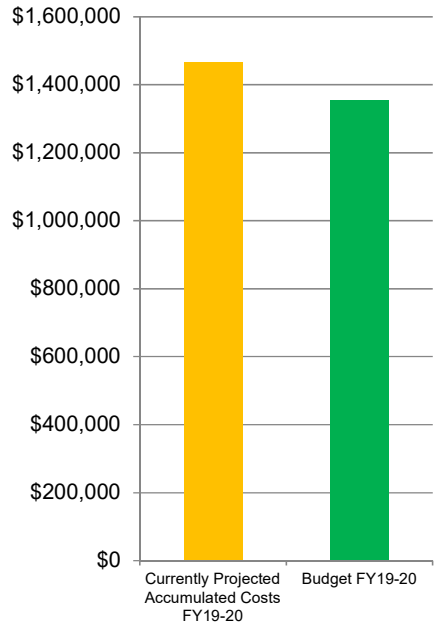
	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Actual Monthly Costs FY 19-20	$41,501	$56,668	$65,027	$62,831	$70,573	$67,612	$11,926	$65,252	$11,250	$53,749	$12,000	$60,000
Budgeted Monthly Costs FY 19-20	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$67,000	$68,000

Currently Projected Accumulated Costs FY19-20	$578,388
Budget FY19-20	$805,000
Currently Projected Under(+)/Over (-) Budget	$226,612

Note: 1) May and June 2020 actuals were estimated and was unavailable at the time of report production.

Biosolids (5049) Costs

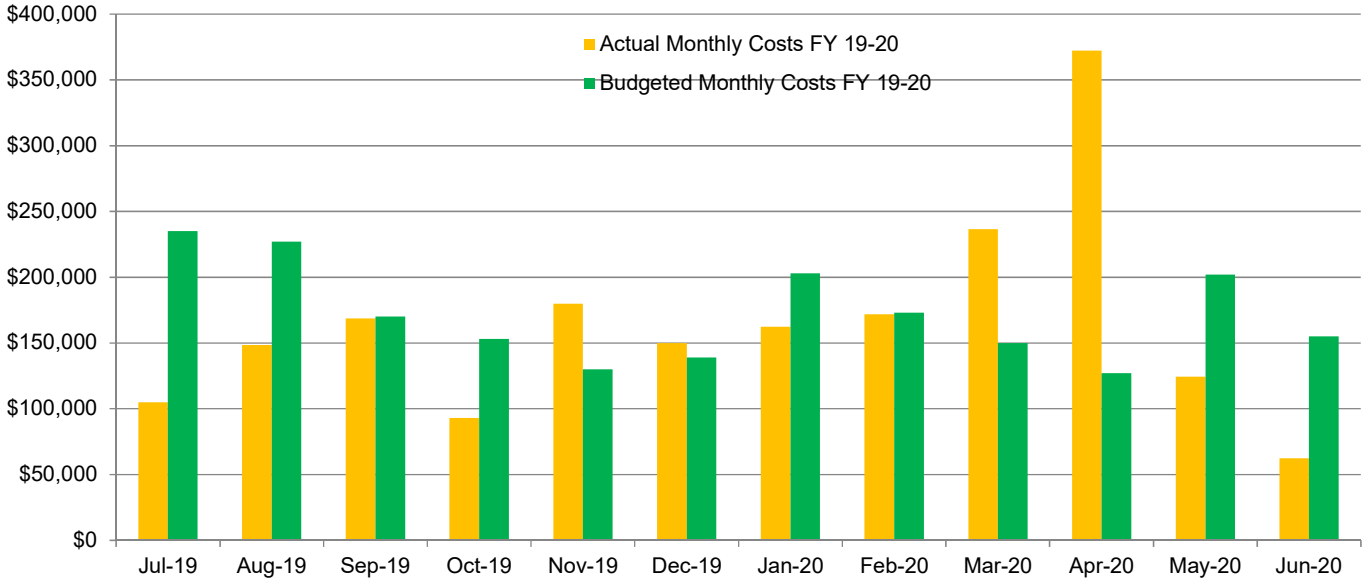


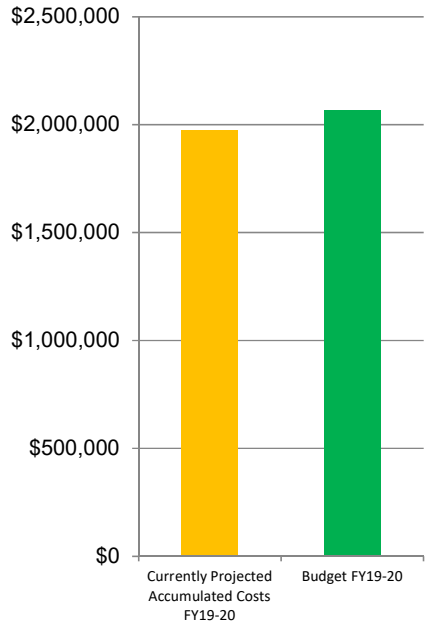


	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Actual Monthly Costs FY 19-20	$126,429	$122,317	$135,385	$121,053	$116,951	$121,646	$121,452	$118,483	$126,549	$116,073	$119,468	$120,882
Budgeted Monthly Costs FY 19-20	$108,000	$112,000	$103,000	$112,000	$105,000	$116,000	$120,000	$114,000	$121,000	$105,000	$123,000	$116,000

Currently Projected Accumulated Costs FY19-20	$1,466,689
Budget FY19-20	$1,355,000
Currently Projected Under(+)/Over (-) Budget	-$111,689

Maintenance Repair (5056 to 5060) Costs

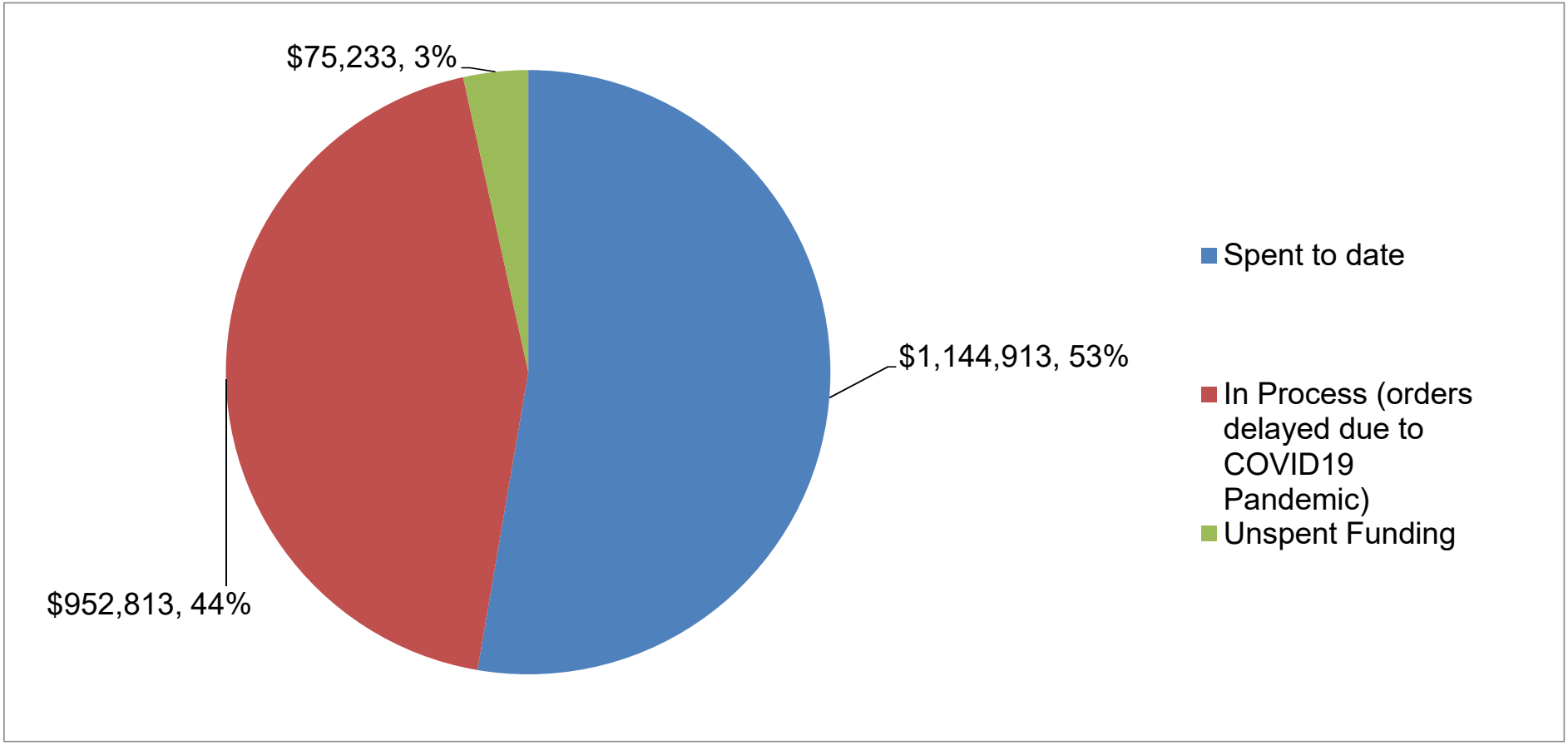




	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Actual Monthly Costs FY 19-20	$104,902	$148,526	$168,545	$92,994	$179,767	$149,799	$162,369	$171,744	$236,427	$372,208	$124,362	$62,247
Budgeted Monthly Costs FY 19-20	$235,000	$227,000	$170,000	$153,000	$130,000	$139,000	$203,000	$173,000	$150,000	$127,000	$202,000	$155,000

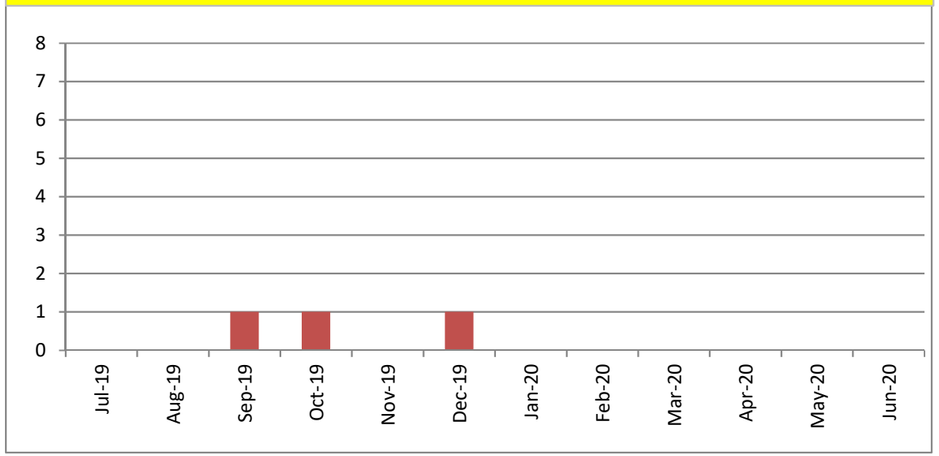
Currently Projected Accumulated Costs FY19-20	$1,973,889
Budget FY19-20	$2,064,000
Currently Projected Under(+)/Over (-) Budget	$90,111

FY19-20 Small Internal Capital Costs



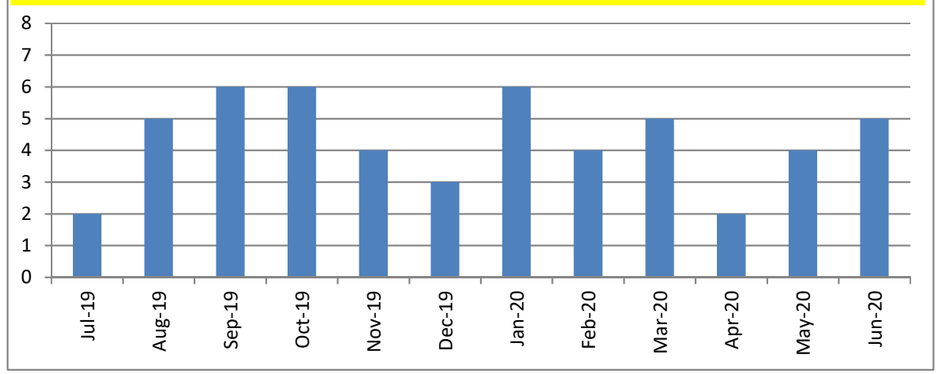
SAFETY UPDATE - JULY 1, 2020

OSHA RECORDABLE INJURIES



	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
OSHA RECORDABLE INJURIES	0	0	1	1	0	1	0	0	0	0	0	0

NEAR MISS REPORTS



	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
NEAR MISS REPORTS	2	5	6	6	4	3	6	4	5	2	4	5

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
June '20 - Anuual 8-HR HAZWOPER Refresher Training (SOCWA Covid-19 ECP Compliant)	90%
May '20 - Make-Up Heat Illness Training (Completed remotely due to Covid-19)	70% (including make-up training)
Apr '20 - Annual Bloodborne Pathogen Training (Completed remotely due to Covid-19)	65% (all SOCWA employees)
Mar '20 - Annual Heat Illness Training	70% (including make-up training)
Feb '20 - Active Shooter/Workplace Violence Training	95%
October '19 - Fall Protection Training, Additonal ICS Training, and Spill Training	90%
October '19 - Fall Protection Training, Additonal ICS Training, and Spill Training	90%
September '19 - Wildland Fire Training and Additional CPR/First Aid/AED Training	90%
Aug '19 - Initial Confined Space Entry Rescue and Additional Active Shooter Training	95%
July '19 - Annual Fire Extinguisher Training	95%
June '19 - Annual Confined Space Entry Rescue Refresher Training	95%
April '19 - Annual HAZWOPER Refresher Training (8-Hour)	95%
March '19 - Annual Respirator Fit Testing and PPE Use Training	90%
Feb '19 - Annual Bloodborne Pathogens Training and Additional Arc Flash Training	100%
December '18 - Annual Defensive Driving/Distracted Driving/DUIs Training (w/ CHP)	100%
October '18 - Crane Safety	100%
September '18 - Silica Safety Training	100%
August '18 - Fire Awareness Safety for Field Personnel	100%
August '18 - Lockout/Tagout Training	100%
March '18 - CPR/First Aid/AED Training	100% (all SOCWA employees)
January '18 - Additional ICS Training	100%
January '18 - Respiratory PPE Training/Fit Testing	90%
October '17 - Forklift Training / Certification	100%
September '17 - Active Shooter/Workplace Violence Training	100%
July/August '17 - Spill Response Training (hands on training)	100%
May '17 - Safety Culture Training	100%
March '17 - Fall Protection Training	100%
March '17 - CPR, First Aid, and AED Training	100%
January '17 - Lockout/Tagout Training and Confined Space Rescue Practice/Training	100%
October '16 - Confined Space Awareness/Entry Rescue Training and Forklift Training	100%
May '16 - Entry Level NIMS/ICS Training and Heat Illness Training	100%
February '16 - Biomechanics/Ergonomics Training and Bloodborne Pathogen Training	100%
Oct '15 and Jan '16 - Initial Confined Space Entry Rescue (3-day trainings)	100%
November '15 - Annual Hearing Testing and Laboratory Safety Training	100%
September '15 - Pre-Storm Workshop, Arc Flash Training, and Forklift Training	100%
August '15 - Fire Prevention for Water Utility Field Staff and Disaster Cost Recovery Training	100%
July '15 - Initiate additional NIMS/ICS Training and Water and Power Resiliency Workshop	Ongoing
June '15 - Initial Confined Space Awareness and Non-Entry Rescue Training	100%

Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

June 2020

	IRWD LOS ALISOS WRP					EL TORO WRP			SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	Fall
DATE	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	inches
06/01/20	No Flow				1.953	8.2	4.2	<0.1	3.270	5.4	6.0	<0.1	2.231	5.8	4.0	0.1	0.410	0.595	0.100	8.559	0.00
06/02/20	No Flow				1.871	8.0	3.8	<0.1	1.74	6.4	6.0	0.1	1.850	6.4	4.0	<0.1	0.027	0.126	0.104	5.718	0.00
06/03/20	No Flow				1.810	12.0	5.5	<0.1	1.370	5.9	7.0	0.1	1.727	3.6	3.0	0.1	0.078	0.307	0.081	5.373	0.00
06/04/20	No Flow				1.360	11.2	5.6	<0.1	0.860	8.8		0.1	1.967	4.8	4.0	0.1	0.000	0.592	0.114	4.893	0.00
06/05/20	No Flow				1.503	13.2	6.3	<0.1	0.590	6.3	7.0	0.2	1.792	3.7	4.0	0.1	0.227	0.580	0.100	4.792	0.01
06/06/20	No Flow				1.967	10.6		<0.1	2.600				2.057				0.091	0.634	0.112	7.461	0.04
06/07/20	No Flow				2.375	13.0		<0.1	3.910	6.4	6.0	<0.1	2.443	6.9	7.0		0.165	0.640	0.068	9.601	0.00
06/08/20	No Flow				1.753	12.0	4.9	<0.1	2.900	6.6	4.0	<0.1	2.233	3.2	3.0	<0.1	0.000	0.638	0.134	7.658	0.00
06/09/20	No Flow				1.910	12.4	6.4	<0.1	2.560	6.6	8.0	<0.1	2.015	10.9	8.0	<0.1	0.277	0.636	0.073	7.471	0.00
06/10/20	No Flow				1.413	12.6	6.3	<0.1	2.300	5.4	3.0	0.1	1.966	9.0	3.0	0.1	0.473	0.635	0.101	6.888	0.00
06/11/20	No Flow				1.434	11.0	6.0	<0.1	1.170	5.6	5.0	0.2	2.011	10.6	6.0	0.1	0.169	0.634	0.096	5.514	0.00
06/12/20	No Flow				1.190	12.4	8.3	<0.1	1.210	4.1	5.0	0.1	2.454	3.0	3.0	0.2	0.169	0.633	0.119	5.775	0.00
06/13/20	No Flow				2.162	11.2		<0.1	1.040	4.7	6.0	0.1	2.753	6.2	5.0	0.1	0.411	0.633	0.021	7.020	0.00
06/14/20	No Flow				2.267	13.6		<0.1	1.350	4.8	5.0	0.1	2.696	10.6	7.0		0.410	0.632	0.096	7.451	0.00
06/15/20	No Flow				1.929	11.8	6.1	<0.1	2.880	4.4	5.0	<0.1	2.666	9.8	7.0	<0.1	0.411	0.631	0.084	8.601	0.00
06/16/20	No Flow				1.545	12.6	6.6	<0.1	2.180	4.4	4.0	<0.1	2.404	3.8	3.0	0.1	0.410	0.643	0.129	7.311	0.00
06/17/20	No Flow				1.781	11.6	6.0	<0.1	1.870	5.1	5.0	0.1	2.177	5.1	4.0	0.1	0.410	0.647	0.132	7.017	0.00
06/18/20	No Flow				1.606	10.6	6.0	<0.1	2.000	4.3	4.0	0.1	2.122	3.3	4.0	0.2	0.411	0.647	0.002	6.788	0.00
06/19/20	No Flow				1.280	9.8	5.6	<0.1	1.880	3.7	4.0	0.1	2.568	5.3	5.0	0.1	0.410	0.646	0.005	6.789	0.00
06/20/20	No Flow				2.200	14.0		<0.1	2.120	3.8	4.0		2.446	15.9	10.0	0.2	0.411	0.646	0.003	7.826	0.00
06/21/20	No Flow				1.441	10.0		<0.1	2.240	3.2	5.0	<0.1	2.688	11.0	9.0		0.410	0.643	0.004	7.426	0.00
06/22/20	No Flow				2.020	9.2	4.2	<0.1	2.830	5.6	4.0	<0.1	2.717	7.8	7.0	<0.1	0.410	0.637	0.073	8.687	0.00
06/23/20	No Flow				1.566	11.6	4.4	<0.1	1.670	5.4	3.0	<0.1	2.607	8.6	7.0	<0.1	0.411	0.635	0.088	6.977	0.00
06/24/20	No Flow				1.803	8.2	4.0	<0.1	1.460	5.6	3.0	<0.1	2.524	3.0	3.0	<0.1	0.410	0.636	0.086	6.919	0.00
06/25/20	No Flow				1.362	10.8	5.3	<0.1	1.450	4.3	5.0	0.2	2.523	10.6	8.0	0.2	0.402	0.635	0.112	6.484	0.00
06/26/20	No Flow				1.569	10.6	4.5	<0.1	1.930	3.8	2.0	0.1	2.580	2.5	4.0	0.1	0.414	0.634	0.101	7.228	0.00
06/27/20	No Flow				1.451	10.0		<0.1	0.630	4.6	4.0		2.308	17.9	11.0		0.415	0.634	0.100	5.538	0.00
06/28/20	No Flow				2.164	9.2		<0.1	2.000	6.4	3.0	<0.1	1.924	17.0	11.0		0.414	0.634	0.097	7.233	0.00
06/29/20	No Flow				2.055	10.8	4.4	<0.1	2.340	4.8	5.0	<0.1	1.995	13.5	9.0	<0.1	0.415	0.634	0.110	7.549	0.03
06/30/20	No Flow				1.792	9.8	4.0	<0.1	1.380	4.4	3.0	0.1	2.116	12.6	9.0	0.5	0.415	0.633	0.098	6.434	0.00
AVG	No Flow				1.751	11.1	5.4	<0.1	1.924	5.2	4.7	<0.1	2.285	8.0	5.9	<0.1	0.316	0.604	0.085	6.966	
TOTAL	No Flow				52.53				57.73				68.56				9.49	18.13	2.543	208.98	0.08

Unified Beach Monitoring #1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1 2020
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 0709
Weather: Clear
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S3	06/02/20	0930	<10	<10	<2	None	None	None	None	Green	64	Slightly Turbid		
S4	06/02/20	0900	<10	<10	2	None	None	None	None	Green		Slightly Turbid		50
S5	06/02/20	0850	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	06/02/20	0835	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	06/02/20	0830	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S7	06/02/20	0825	30	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	06/02/20	0820	10	<10	2	None	None	None	None	Green		Slightly Turbid		
S9	06/02/20	0805	10	<10	8	None	None	None	None	Green		Slightly Turbid		
ACM1	06/02/20	0800	50	<10	2	None	None	None	None	Green		Slightly Turbid		
S10	06/02/20	0750	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S11	06/02/20	0740	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	06/02/20	0735	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring #2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 834
Weather: Clear
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S3	06/11/20	740	40	<10	2	None	None	None	None	Green	64	Clear		
S4	06/11/20	1015	20	<10	<2	None	None	None	None	Green		Clear		
S5	06/11/20	1030	10	10	<2	None	None	None	None	Green		Clear		
S6	06/11/20	945	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	06/11/20	940	<10	10	<2	None	None	None	None	Green		Clear		
S7	06/11/20	930	<10	<10	<2	None	None	None	None	Green		Clear		
S8	06/11/20	920	<10	<10	10	None	None	None	None	Blue		Clear		
S9	06/11/20	855	10	<10	<2	None	None	None	None	Green		Clear		
ACM1	06/11/20	835	270	40	20	None	None	None	None	Green		Clear	Flowing	
S10	06/11/20	825	120	10	10	None	None	None	None	Green		Clear		
S11	06/11/20	815	90	10	4	None	None	None	None	Green		Clear		
S12	06/11/20	805	10	<10	<2	None	None	None	None	Green		Clear		

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

Unified Beach Monitoring #3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 0702
Weather: Partly Cloudy
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	06/16/20	0935	10	<10	<2	None	None	None	None	Green	63	Slightly Turbid		
S4	06/16/20	0915	10	10	<2	None	None	None	None	Green		Slightly Turbid		
S5	06/16/20	0905	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S6	06/16/20	0840	10	10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	06/16/20	0835	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	06/16/20	0830	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	06/16/20	0820	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S9	06/16/20	0805	<10	<10	6	None	None	None	None	Green		Slightly Turbid		
ACM1	06/16/20	0800	100	<10	<2	None	None	None	None	Green		Slightly Turbid		
S10	06/16/20	0740	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S11	06/16/20	0735	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S12	06/16/20	0730	20	<10	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 exce 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

Unified Beach Monitoring #4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 0618
Weather: Partly Cloudy
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F)	Water Condition	Water Outlet	Birds
S3	06/24/20	750	<10	<10	2	None	None	None	None	Green	65	Clear		
S4	06/24/20	1020	<10	10	4	None	None	None	None	Green		Clear		
S5	06/24/20	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S6	06/24/20	940	<10	<10	2	None	None	None	None	Green		Clear		
WEST	06/24/20	935	<10	<10	<2	None	None	None	None	Green		Clear		
S7	06/24/20	925	<10	<10	10	None	None	None	None	Green		Clear		
S8	06/24/20	915	20	30	6	None	None	None	None	Blue		Clear		
S9	06/24/20	855	10	20	10	None	None	None	None	Green		Clear		
ACM1	06/24/20	850	130	40	36	None	None	None	None	Green		Clear	Flowing	
S10	06/24/20	840	10	10	14	None	None	None	None	Green		Clear		
S11	06/24/20	830	<10	<10	<2	None	None	None	None	Green		Clear		
S12	06/24/20	820	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.

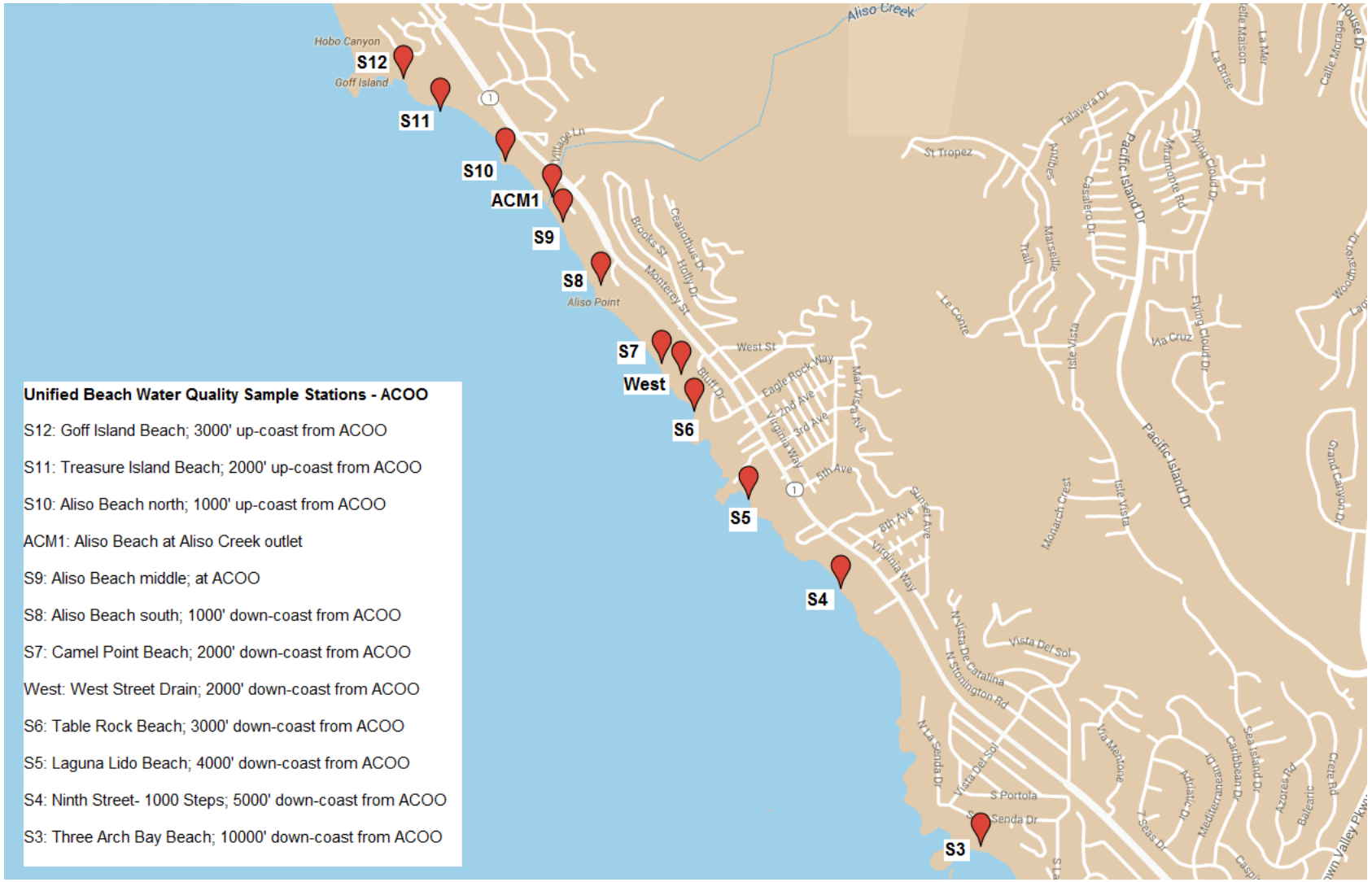
Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

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



MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall
REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 808

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris
A-1	Surface	06/03/20	<2	<2	<2	759	0	0
A-1	Mid depth	06/03/20	30	30	<10			
A-2	Surface	06/03/20	16	<2	<2	744	0	0
A-2	Mid depth	06/03/20	<10	30	<10			
A-3	Surface	06/03/20	<2	<2	<2	749	0	0
A-3	Mid depth	06/03/20	50	<10	<10			
A-4	Surface	06/03/20	<2	<2	<2	805	0	0
A-4	Mid depth	06/03/20	100	50	<10			
A-5	Surface	06/03/20	<2	<2	<2	755	0	0
A-5	Mid depth	06/03/20	40	20	<10			
B-1	Surface	06/03/20	<2	<2	<2	730	0	0
B-1	Mid depth	06/03/20	10	<10	<10			
B-2	Surface	06/03/20	<2	<2	<2	815	0	0
B-2	Mid depth	06/03/20	100	10	<10			
N1	Surface	06/03/20	<2	<2	2	833	0	0
N2	Surface	06/03/20	<2	<2	2	831	0	0
N3	Surface	06/03/20	2	<2	<2	829	0	0
N4	Surface	06/03/20	<2	<2	<2	827	0	0
N5	Surface	06/03/20	2	<2	<2	826	0	0
N6	Surface	06/03/20	2	<2	2	825	0	0
N7	Surface	06/03/20	2	<2	<2	822	0	0

0 - None
1 - Mild
2 - Moderate
3 - Severe

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

Compliance Summary Report
Aliso Creek Ocean Outfall 2020

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 - 2020
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 reporting period.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

June 2020

	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC Desalter	SCWD Desalter	SJCOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	Fall
DATE	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	inches
06/01/20	6.220	11.3	8.8	0.1	1.395	4.2	7.0	<0.1	1.550	6.7	8.6	<0.1	0.147	11.2	10.4	ND	0.164	0.206	13.620	0.00
06/02/20	6.380	12.1	8.7	<0.1	2.912	3.6	7.0	<0.1	3.790	7.1	7.1	<0.1	0.035	7.4	6.6	ND	0.265	0.201	13.830	0.00
06/03/20	6.170	8.7	8.0	0.2	4.050	3.7	6.0	<0.1	2.650	9.8	7.2	<0.1	0.037	7.4	6.9	ND	0.421	0.205	11.570	0.00
06/04/20	6.630	11.4	9.0	0.1	2.361	4.4	6.0	<0.1	0.860	7.6	5.9	<0.1	0.043	12.0	10.8	ND	0.422	0.202	14.370	0.00
06/05/20	6.450	10.8	10.1	0.2	2.407	4.8	5.0	<0.1	0.020	6.2	8.6	<0.1	0.055				0.422	0.201	13.160	0.01
06/06/20	5.840				2.665				1.580				0.046				0.421	0.206	11.040	0.04
06/07/20	6.320	13.2			3.366				2.740				0.048	10.4	9.2	ND	0.421	0.202	10.450	0.00
06/08/20	6.050	11.7	16.7	0.1	3.010	3.8	8.0	<0.1	1.230	3.3	8.6	<0.1	0.057	8.8	7.7	ND	0.421	0.200	13.480	0.00
06/09/20	6.090	8.2	12.9	<0.1	2.922	3.8	7.0	<0.1	0.190	5.1	7.2	<0.1	0.032	8.6	7.8	ND	0.421	0.205	13.830	0.00
06/10/20	6.250	7.8	8.0	0.1	2.047	4.0	3.0	<0.1	0.880	3.5	3.5	0.2	0.016	10.0	9.2	ND	0.418	0.201	11.890	0.00
06/11/20	6.070	9.2	8.4	0.1	2.247	4.2	3.0	<0.1	0.000				0.103	9.8	8.5	ND	0.418	0.205	10.540	0.00
06/12/20	6.310	10.4	8.5	0.2	2.137	10.0	7.0	<0.1	0.020	2.8	10.3	<0.1	0.027				0.418	0.202	10.350	0.00
06/13/20	6.440	10.7	7.8	0.2	2.226				0.010				0.069				0.418	0.201	9.700	0.00
06/14/20	6.650	22.5	15.1		2.864				1.690				0.040	8.4	7.3	ND	0.418	0.200	9.630	0.00
06/15/20	6.470	16.3	12.8	<0.1	2.475	4.0	8.0	<0.1	1.010	5.6	8.4	<0.1	0.027	8.6	7.4	ND	0.380	No Flow	10.050	0.00
06/16/20	6.670	10.3	5.5	0.1	2.638	4.8	8.0	0.1	0.490	7.8	8.0	0.3	0.037	6.8	5.8	ND	0.417	No Flow	12.990	0.00
06/17/20	6.560	10.0	6.2	0.3	2.340	4.2	2.0	0.1	0.200	8.7	7.9	0.1	0.048	11.0	7.4	ND	0.418	No Flow	9.700	0.00
06/18/20	6.540	8.9	7.0	0.1	2.081	4.0	2.0	<0.1	0.000				0.042	8.6	7.2	ND	0.419	No Flow	9.940	0.00
06/19/20	6.500	9.5	6.5	0.3	2.205	4.4	2.0	0.1	0.070	3.4	2.9	<0.1	0.058				0.420	No Flow	9.710	0.00
06/20/20	6.220	7.2	5.6		2.493				0.000				0.055				0.420	No Flow	10.010	0.00
06/21/20	6.260	6.9	6.7		2.737				0.000				0.150	6.2	5.0	ND	0.421	No Flow	10.300	0.00
06/22/20	6.310	15.0	9.0	<0.1	2.673	4.0	7.0	<0.1	0.000				0.043	10.2	9.2	ND	0.421	0.843	10.410	0.00
06/23/20	6.320	9.9	5.9	0.1	3.343	3.8	7.0	<0.1	0.380	5.0	7.8	0.2	0.041	8.6	7.5	ND	0.421	1.025	11.610	0.00
06/24/20	6.150	9.4	4.9	<0.1	2.274	3.8	2.0	<0.1	0.000	5.8	5.4	0.2	0.450	16.4	13.2	ND	0.420	1.014	11.770	0.00
06/25/20	6.460	8.5	7.0	0.1	2.223	3.4	2.0	<0.1	0.000				0.955	11.6	9.8	ND	0.421	1.030	10.980	0.00
06/26/20	6.370	7.1	6.0	0.1	2.275	3.8	2.0	<0.1	0.020	5.4	5.7	<0.1	0.926	7.2	6.8		0.420	1.033	11.580	0.00
06/27/20	6.450	2.2	3.3		2.457				0.000				0.444				0.370	0.509	12.270	0.00
06/28/20	6.400	8.0	6.3		2.749				0.270				0.035	9.4	7.0	ND	0.395	0.206	10.460	0.00
06/29/20	6.210	8.0	5.9	<0.1	2.589	3.8	6.0	<0.1	0.050	6.0	8.5	<0.1	0.045	7.8	7.2	ND	0.395	0.201	10.470	0.03
06/30/20	6.260	7.9	5.2	<0.1	3.331	3.2	8.0	<0.1	0.260	5.0	8.1	<0.1	0.088	9.2	8.6	ND	0.310	0.205	10.710	0.00
AVG	6.334	10.1	8.1	<0.1	2.583	4.3	5.2	<0.1	0.665	5.6	7.2	<0.1	0.140	9.4	8.1	ND	0.398	0.297	11.347	
TOTAL	190.020				77.492				19.960				4.199				11.936	8.903	340.420	0.08

Unified Beach Monitoring #1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 625
Weather: Partly Cloudy
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	06/01/20	850	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S1	06/01/20	900	<20	<20	<2	None	None	None	None	Green	58	Slightly Turbid		
S2	06/01/20	808	<20	20	<2	None	None	None	None	Green		Slightly Turbid		
DSB5	06/01/20	758	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
S3	06/01/20	905	20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	06/01/20	906	<20	20	<2	None	None	None	None	Green		Slightly Turbid		
S5	06/01/20	915	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	06/01/20	920	<20	20	<2	None	None	None	None	Green	58	Slightly Turbid		
SJC1	06/01/20	848	100	<100	<10	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring #2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 1446
Weather: Clear
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	06/10/20	1310	380	<20	<2	None	None	None	None	Green		Clear		
S1	06/10/20	1325	20	<20	4	None	None	None	None	Green		Clear		
S2	06/10/20	1240	360	<20	4	None	None	None	None	Green		Clear		
DSB5	06/10/20	1230	20	40	34	None	None	None	None	Brown	63	Clear		
S3	06/10/20	1335	<20	<20	<2	None	None	None	None	Green		Clear		
DSB4	06/10/20	1345	40	<20	4	None	None	None	None	Green		Clear		
S5	06/10/20	1355	20	<20	<2	None	None	None	None	Green		Clear		
DSB1	06/10/20	1405	220	<20	<2	None	None	None	None	Green		Clear		
C1	06/10/20	1250	1,100	100	10	None	None	None	None	Green		Clear	Flowing	

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

Unified Beach Monitoring #3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 625
Weather: Overcast
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	06/15/20	755	40	20	10	None	None	None	None	Green		Turbid		
S1	06/15/20	809	20	<20	<2	None	None	None	None	Green		Turbid		
S2	06/15/20	746	80	<20	10	None	None	None	None	Green		Turbid		
DSB5	06/15/20	737	40	<20	10	None	None	None	None	Green		Turbid		
S3	06/15/20	811	20	20	<2	None	None	None	None	Green	65	Turbid		
DSB4	06/15/20	812	20	<20	<2	None	None	None	None	Green		Turbid		
S5	06/15/20	820	60	<20	<2	None	None	None	None	Green		Turbid		
DSB1	06/15/20	825	60	<20	<2	None	None	None	None	Green	66	Turbid		
C1	06/15/20	748	500	200	30	None	None	None	None	Green		Turbid	Flowing	100

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

Unified Beach Monitoring #4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: June 2020
REPORT DUE: August 1, 2020
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 0535
Weather: Drizzle
COMMENTS:

STA#	DATE	TIME	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Material of Sewage Origin Onshore	Material of Sewage Origin Offshore	Oil & Grease	Odor	Water Color	H20 Temp(F	Water Condition	Water Outlet	Birds
S0	06/23/20	0746	20	<20	4	None	None	None	None	Brown	68	Turbid		
S1	06/23/20	0755	<20	20	4	None	None	None	None	Brown		Turbid		
S2	06/23/20	0721	40	60	26	None	None	None	None	Brown		Turbid		100
DSB5	06/23/20	0709	40	20	2	None	None	None	None	Brown		Turbid		
S3	06/23/20	0800	<20	<20	4	None	None	None	None	Brown	68	Turbid		
DSB4	06/23/20	0805	<20	<20	4	None	None	None	None	Brown		Turbid		
S5	06/23/20	0810	<20	<20	4	None	None	None	None	Brown		Turbid		
DSB1	06/23/20	0815	<20	<20	10	None	None	None	None	Brown		Turbid		
C1	06/23/20	0745	<100	<100	<10	None	None	None	None	Brown		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 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

Unified Beach Water Quality Sample Stations - SJCOO

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: June 2020 REPORT FREQUENCY: Monthly
REPORT DUE: August 1, 2020
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 808

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris
A-1	Surface	06/03/20	82	<2	<2	931	0	0
A-1	Mid depth	06/03/20	<10	<10	<10			
A-2	Surface	06/03/20	<2	<2	<2	938	0	0
A-2	Mid depth	06/03/20	<10	10	<10			
A-3	Surface	06/03/20	<2	<2	<2	942	0	0
A-3	Mid depth	06/03/20	<10	10	<10			
A-4	Surface	06/03/20	<2	<2	<2	953	0	0
A-4	Mid depth	06/03/20	<10	<10	<10			
A-5	Surface	06/03/20	<2	<2	<2	947	0	0
A-5	Mid depth	06/03/20	1,910	60	<10			
B-1	Surface	06/03/20	<2	<2	<2	923	0	0
B-1	Mid depth	06/03/20	<10	<10	<10			
B-2	Surface	06/03/20	<2	<2	<2	1010	0	0
B-2	Mid depth	06/03/20	10	<10	<10			
N1	Surface	06/03/20	<2	<2	<2	917	0	0
N2	Surface	06/03/20	<2	<2	<2	912	0	0
N3	Surface	06/03/20	36	<2	<2	909	0	0
N4	Surface	06/03/20	<2	<2	<2	906	0	0
N5	Surface	06/03/20	<2	<2	<2	903	0	0
N6	Surface	06/03/20	<2	<2	2	858	0	0

0 - None
1 - Mild
2 - Moderate
3 - Severe

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

Compliance Summary Report
San Juan Creek Ocean Outfall 2020

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

SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2020
Order No. R9-2012-0012 ~ NPDES Permit No. CA0107417

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

Recycled Water Report

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD- 3A	1/6/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	1/17/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	1/17/2020	TDS	12-Month	mg/L	1000	1062	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	2/5/2020	TDS	12-Month	mg/L	1000	1042	
SOCWA - CTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.06	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	3/3/2020	TDS	12-Month	mg/L	1000	1032	
SOCWA - CTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/2/2020	TDS	12-Month	mg/L	1000	1050	
SOCWA - CTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	5/13/2020	Coliform	Instantaneous	cfu/100mL	240	961	
SOCWA - RTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	5/1/2020	TDS	12-Month	mg/L	1000	1078	
SOCWA - CTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	Not Reported	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	6/2/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	6/2/2020	TDS	12-Month	mg/L	1000	1092	
SOCWA - CTP	6/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	6/22/2020	Manganese	12-Month	mg/L	0.05	0.07	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jun 30, 2020

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average ***
TDS	mg/L	1000	855	738	821	921	837	1,092	868
Chloride	mg/L	375	232	178	152	287	194	239	212
Sulfate	mg/L	400	242	227	195	220	229	296	238
Sodium	mg/L	None	175	140	155	223		170	148
Alkalinity	mg/L	None	-	-	-	-	238	272	197
Adjusted SAR	Ratio	None	68.03	4.70	4.94	6.05	3.83	4.38	4.28
Iron	mg/L	0.3	0.027	0.012	0.140	0.100	0.16	0.386	0.134
Manganese	mg/L	0.05	0.018	0.017	0.030	0.012	0.067	0.102	0.068
MBAS	mg/L	0.5	0.04	0.13	0.24	0.29	0.40	0.10	0.10
Boron	mg/L	0.75	0.286	0.318	0.330	0.428	0.32	0.343	0.31
Fluoride	mg/L	None	0.37	0.758	0.57	0.59	1.07	0.77	0.72
Total Organic Carbon	mg/L	None	8.7	13.0	11.5	10.6	7.5	11.3	9.8

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

TDS	1000 mg/L
Chloride	180 mg/L
Sulfate	340 mg/L

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

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

SOCWA Service Area

Recycled Water Production (ac-ft) 2020

Agency	Facility or Region	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00	7.07	0.00							7.07
CSJC 2	Chiquita/SMWD	0.02	12.69	9.95	9.10	32.04	35.33							99.12
CSJC 3	Non-Domestic Well	8.63	8.63	2.75	6.73	27.41	35.89							90.04
ETWD	Region 8	26.43	52.97	29.86	59.75	168.02	177.30							514.32
IRWD														
[4]	IRWD - 8	54.89	83.88	50.90	36.29	137.20	145.94							509.10
[4]	IRWD - 9	26.02	46.16	24.48	23.10	77.28	84.69							281.74
SCWD	SOCWA CTP	22.75	48.17	22.67	39.78	114.47	88.37							336.22
MNWD	JRP	101.06	197.36	111.65	234.19	535.80	539.51							1719.56
	3-A Plant	41.27	0.00	0.00	0.00	38.21	141.02							220.49
[5]	CTP	1.02	4.83	3.49	8.29	20.47	16.45							54.55
SMWD	Oso Creek	151.09	137.88	159.15	82.28	152.12	147.36							829.87
	Chiquita	64.63	293.17	180.82	132.12	385.36	432.44							1488.53
	Nichols	1.49	1.46	1.48	1.48	1.59	1.83							9.33
TCWD	RRWRP	50.40	45.36	38.43	37.68	54.53	50.51							276.90
TOTALS		549.70	932.55	635.63	670.78	1751.56	1896.63							6436.85

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

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

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

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

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

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

NR = No Report

Agenda Item 7e

Legal Counsel Review: No

Meeting Date: August 6, 2020

TO: SOCWA Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report, June and July 2020
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 continues the process to amend its pretreatment ordinance as required by the Pretreatment Compliance (PCA) Report received on November 14, 2019. Nine of the member agencies are also in the process to amend their pretreatment ordinances (EBSD has no industrial users) and have been provided red-line marked versions of the ordinance changes. The PCA required ordinance revisions are non-substantial, as defined in 40 CFR 403.18(b), but necessary to maintain the Pretreatment Program in compliance with federal and State regulations. San Diego Water Quality Control Board (SDRWQCB) Staff preliminarily reviewed and approved the revisions by electronic mail on June 22, 2020. When Ordinance 2020-1 adoption process is completed it will be submitted to the SDRWQCB for their files.

State contractors conducted a virtual Pretreatment Compliance Inspection (PCI) of SOCWA's Pretreatment Program on June 15, 2020 with an exit meeting held virtually on July 1, 2020. PCI's consist of two parts, file review and site visits. Due to the COVID-19 pandemic, the completion of the inspection and site visit portion of the PCI is postponed until travel restrictions are lifted. Contractors reviewed two files for the CSC service area, Reynard (WD Permit No. CSC-2-010) and Glaukos (WD Permit No. CSC-NS1-001), and one file for the SMWD area, Applied Medical (WD Permit No. SMWD-1-004). SOCWA Staff may receive two separate reports, one related to file review findings and one related to site visit findings (once conducted). Under normal circumstances outside of a pandemic, PCI reports are received within 60 days of the exit meeting.

On June 28, 2020, SOCWA Staff provided all MAs with the appropriate reporting sheets for their necessary data submittals to assist in the production of the annual pretreatment report, which is due to the SDRWQCB by March 1, 2021. Once received, Staff will review and enter the data into the Water Information Management Solution (WIMS) database, so it can be uploaded electronically to the State CA Integrated Water Quality System (CIWQS) database. Influent and effluent data from each of the treatment plants and the narrative portion of the report will only be submitted electronically to the State.

SOCWA Staff is in process of completing the Semi-Annual Pretreatment Report due to the SDWB by September 1, 2020.

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:

IRWD – SWD Permit No. IRWD-4-001 – Beacon Bay Enterprises – A permit modification request to increase the daily flow limit was submitted to SOCWA on December 23, 2019 and is currently under review. SOCWA Staff is working with site personnel to install a sample barrel to allow for 24-hour composite sampling and ensure discharge flow control by gallons per minute should the flow increase be approved.

MNWD – WD Permit No. MNWD-2-001 - SOKA University of America STEM Laboratory – University Staff submitted a permit application in October 2019 and a WD Permit was issued on June 22, 2020 with provisions stating self-monitoring is not required until discharge commences.

SMWD – WD Permit No. SMWD-1-004 - Applied Medical (Passivation Line) – SOCWA Staff received notice that Applied Medical is planning to extend its passivation line and will be submitting a WD Permit Application to aid in the permit modification process. Staff is providing guidance as information is received.

CSC – Renewal WD Permit No. CSC-2-007 – Regenesis – SOCWA Staff received a renewal permit application on June 20, 2020 and issued a renewal WD Permit on June 27, 2020 to continue the allowance of wastewater discharge generated from the rinsing of tanks associated with the production of Plumestop (activated carbon). The permit has an effective date of July 1, 2020 and expires June 30, 2025.

SOCWA – Renewal SWD Permit No. SOCWA-4-001 – CSJC North Open Space Well – SOCWA received a renewal SWD permit application on July 19, 2020 and a renewal SWD Permit was drafted with an effective date of August 3, 2020. The renewal SWD Permit will continue to allow wastewater discharges from the City of San Juan Capistrano's North Open Space Well Pump Station and Settling Basin located at 30291 Camino Capistrano, San Juan Capistrano, CA 92675.

Trainings and Committee Meetings Attended

Staff has and continues to participate in many CWEA and WEF webinars related to the COVID-19 pandemic, continuity of operations, use of effective PPE and disinfection, and sewer research/surveillance.

Inspections

SOCWA Staff is in 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. *Note, due to the COVID-19 pandemic and efforts to reduce exposure, Staff has suspended industrial and commercial inspections deemed not necessary to maintain compliance under Federal and State regulations unless the inspection is a matter of emergency.*

On June 29-30, 2020, SOCWA Staff inspected and sampled process wastewater from South Coast Fashion Jewelry, Permit No. CSC-1-001, to verify compliance with permit requirements and limitations. As of July 21, 2020, Staff is awaiting laboratory results.

On July 21-22, 2020, Staff inspected and sampled Dynacast, Permit No. IRWD-1-001, to verify compliance with permit requirements and limitations. Staff is awaiting laboratory results.

Staff tentatively scheduled the annual inspection and sampling event for two Applied Medical facilities (Permit Nos. SMWD-1-003 and SMWD-1-004) for early August.

Enforcement

SMWD – A warning notice of non-compliance (WNON) was issued to Applied Medical's passivation facility (WD Permit # SMWD-1-004) on June 27, 2020 for submittal of a chain of custody (COC) with a different collection date than the laboratory report collection date. The COC date had been marked out and corrected, but the laboratory report reflected the older date.

SMWD – A NON was issued to Applied Medical's rubber manufacturing facility (WD Permit No. SMWD-1-003, Location 002) on July 18, 2020 for violating the permit limit for zinc on June 1, 2020. Resampling was performed on June 23, 2020 and zinc measured below the permit limit. *Note, Staff was made aware on July 15, 2020 of another permit violation from the same location for sampling performed on July 1, 2020. Staff anticipates issuance of a NON upon submittal of the official self-monitoring report (SMR). Applied Medical has ceased discharge from the location in order to clean and replace parts associated with system machinery. An additional sample will be collected upon system restart.*

Summary of IWS Activities in the SOCWA Service Area - YTD through July 22, 2020

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	111	25	0	0	154
CSC (S)	58	9	35	18	181	1296	58	0	2	1597
CSJC (S)	39	2	27	59	137	1666	38	0	0	1929
ETWD (M)	1	3	87	0	262	132	84	0	0	568
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	30	4	51	21	63	937	24	0	0	1100
MNWD (S)	244	4	123	39	626	2082	200	11	0	3074
SMWD (S)	104	6	19	20	199	773	78	3	3	1095
SCWD (S)	34	7	33	7	148	182	27	0	1	404
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	3	1	0	0	0		0	0	4
Totals	510	53	378	169	1624	7212	534	14	6	**9970**

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	111	25	0	0	154
CSC (S)	58	9	35	18	181	1296	58	0	2	1597
CSJC (S)	39	2	27	59	137	1666	38	0	0	1929
ETWD (M)	1	3	87	0	262	132	84	0	0	568
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	30	4	51	21	63	937	24	0	0	1100

MNWD (S)	244	4	123	39	626	2082	200	11	0	3074
SMWD (S)	104	6	19	20	199	773	78	3	3	1095
SCWD (S)	34	7	33	7	148	182	27	0	1	404
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	3	1	0	0	0		0	0	4
Totals	510	53	378	169	1624	7212	534	14	6	**9970**

(S) = SOCWA conducts PT program NIWD = Non-industrial Waste Discharger YTD = Year to Date
(M) = MA conducts PT program /w SOCWA BMP = Best Management Practices OSE = Other Surveyed Establishment
(U) = Urban Diversion Only FSE = Food Service Establishment DSE = Dental Surveyed Establishment

Agenda Item 7f

Board of Directors Meeting

Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: Capital Improvement Program Status Report

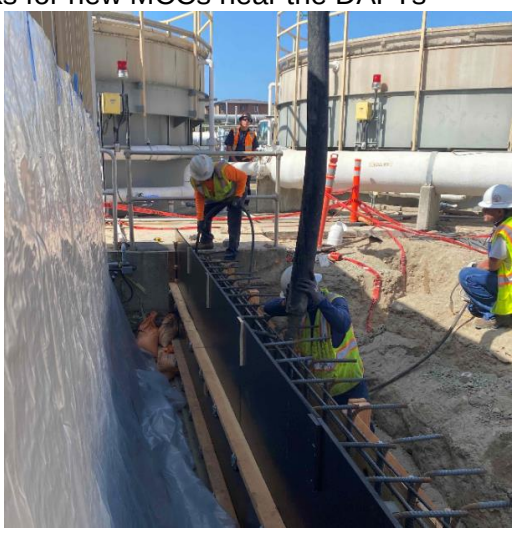
COVID-19 UPDATE:
Currently, all SOCWA Capital Projects are moving forward as planned. We have moved all progress meetings to conference calls and are using electronic communications as much as possible to limit contact with contractors. We are requiring the contractors to practice social distancing and to limit their contact with plant staff.

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

Below are photos of the three major construction projects currently underway at each of the treatment plants. All three projects are in the beginning phases of construction.

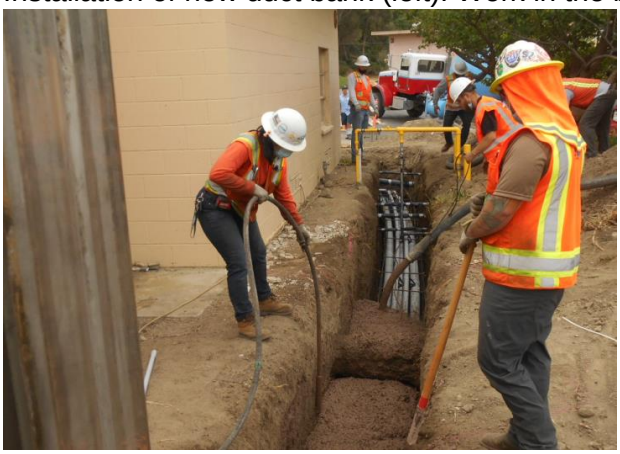
JB Latham Package B
Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation:

Work has begun to install duct banks for new MCCs near the DAFTs



Coastal Treatment Plant Facility Improvments
New drainage pump station, new ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades:

Installation of new duct bank (left). Work in the basins continues (right).



III

III

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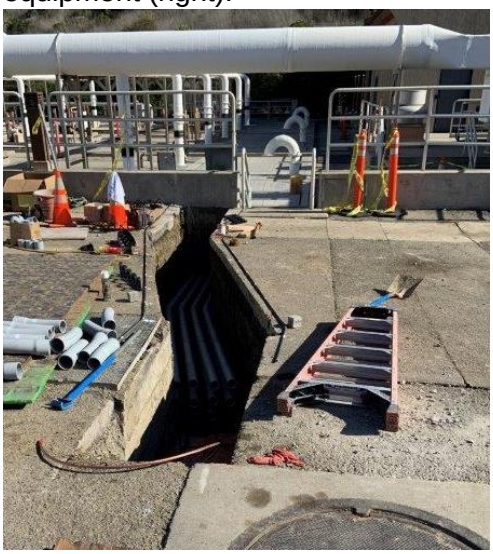
Regional Treatment Plant Miscellaneous Improvments 2018
Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof:

Duct bank installation for the Primary Gallery (left) and electrical vault installation for Secondary equipment (right).



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

		Fiscal Year 20/21				Fiscal Year 21/22			
	Quarter	1st	2nd	3rd	4th	1st	2nd	3rd	4th
3220; 3231; 3287	Package B (Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation)	C	C	C	C	C	C		
3350	MCC "M" Replacement Design	D	D						
3221	Electrical System Evaluation	P							
3353	Centrate System Design	D							
4001	Plant Drain System Study		P						
4201	Plant 1 Blower Building Condition Assessment	CA							
4204	Electrical Manhole Condition Assessment	CA	CA						
4214	Solids Management Plan		P	P					
4202	Pipeline Condition Assessment Methodology Evaluation		P	P					
4203	Plant Hydraulic Model and Flow Management Plan	P							
3234	Centrate Piping Reconstruction		B&A	C	C				
3235; 3227	Package D Design				D	D	D	D	
3285	Main Plant Drain Line Reconstruction			B&A	C	C			
42211	Influent Flow Metering Evaluation		P	P					
42212	Plant 1 Grit Handling Evaluation		P	P					
42213	Chlorine Contact Basin/Effluent Pump Station Condition Assessment		CA						
42214	Dana Point Influent Sewer Condition Assessment		CA	CA					
42215	Plant 1 Influent Sewer Condition Assessment		CA	CA					
42216	Plant 1 Bypass Sewer Condition Assessment		CA	CA					
4211	Site Storage Evaluation		P	P					
3229	Drainage Pump Station Reconstruction			B&A	C	C			
4212	Buried Utility Master Plan			P	P				
4213	Electrical Conduit and Cable Master Plan			P	P				
3227	Plant 2 Upgrades, Dewatering System Reconstruction, Gas Flare								B&A

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

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

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

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

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

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

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

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

		Fiscal Year 19/20				Fiscal Year 20/21			
	Quarter	1st	2nd	3rd	4th	1st	2nd	3rd	4th
17087	Odor Control Chemical Tank					C			
17088	Primary Sedimentation Condition Assessment					CA			
37001; 37002; 3779	MCC A, C, G, H Replacement						B&A	C	C
37002	West Slope Protection			B&A	C	C			
37003	Admin Building Door & Window Repair			B&A	C				
3775	Aeration Basin Handrail Upgrade						B&A	C	C
3776	Effluent Pond Gate Replacement					B&A	C	C	
3777; 3778	Site Lighting Upgrade		B&A	C	C				
4701	Interstage Pump Station Condition Assessment						CA		
4702	Site Storage Evaluation							P	P
37223S	Flare Replacement Project							P	P

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

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECT LIQUIDS			
3220-000	Package B Liquids (Plant 1 Basin repairs, DAF rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
4201-000	Plant 1 Blower Building Condition Assessment	Study	The contract was awarded at the September 5, 2019 SOCWA Board Meeting.
4202-000	Pipeline Condition Assessment Methodology Evaluation	Study	Project delayed due to COVID-19, now scheduled to begin in October 2020.
4203-000	Plant Hydraulic Model and Flow Management Plan	Study	The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
3350-000	Motor Control Center 'M' Replacement (2019)	Design	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
CAPITAL IMPROVEMENT PROJECT COMMON			
3231-000	Package B Common (Energy Building seismic retrofit and minor rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3221-000	Electrical System Evaluation	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
4001-000	Plant Drain System Study (2017) (NCP)	Study	TetraTech is proceeding with the mapping of the drain system.
4204-000	Electrical Manhole Condition Assessment	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECT SOLIDS			
3287-000	Package B Solids (Digester 4 rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3353-000	Centrate System Design (2019)	Design	The recommendation for award of the contract is being presented at the October 3, 2019 SOCWA Board Meeting.
4214-000	Solids Management Plan	Study	Project is scheduled to begin pending the results of the Innovative Biosolids project.

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECTS			
3605-000	Junction Structure Rehabilitation Design	Design	An amendment to the Black & Veatch design contract was awarded by PC 5 on July 23, 2020. The Committee also approved award of the Phase I contract to Filanc for minor repairs and constructability review.
3606-000	Junction Structure Reinforcement Permitting and Final Design	Design	Contracts for this portion of work will be presented to the Board near or after the completion of Phase I in September 2020.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
('19/'20)

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECTS LIQUIDS			
3539-000	Facility Improvements (Basin and Electrical Rehabilitation)	Construction	The construction contract for Facility Improvements Project was awarded at the June 6, 2019 SOCWA Board meeting. Task 3595-000 has been combined into to this one Task Code.
3534-000	Export Sludge System (1997)	Design	The California Coastal Commission approved the permit extension. Approval of the Public Access Plan is pending. Due to the timing of the permitting and nesting season, the project has been delayed to start in the fall of 2020.
3358-000	Personnel Building Reconstruction (2019)	Bid	Project delayed due to COVID-19, now scheduled to being in September 2020.
3361-000	AWMA Road Sites West 1 and 2 Embankment Protection (2019)	Design	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3362-000	Aliso Creek Long Term Repair Planning (2019)	Planning	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3553-000	Plant Drainage Improvements (2017)	Design	TetraTech has completed design. Project expected to advertise for bid in June 2020.
3360-000	Vehicle Storage Building Roof (2019)	Construction	Project completed by Operations staff.
4501-000	Electrical Manhole/Cable Assessment	Study	Project delayed due to COVID-19, now scheduled to being in September 2020.
4502-000	Building Roof Condition Assessment	Study	Project delayed due to COVID-19, now scheduled to being in September 2020.
CAPITAL IMPROVEMENT PROJECT AWT			
3364-000	Chlorine Contact Basin Mixer Construction (AWT) (2019)	Construction	Installation of clearwell pump valves was completed in August 2019. Design of pilot valve panel and installation will likely occur in March 2020.

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECT LIQUIDS			
3701-000	Miscellaneous Improvements 2018 (Secondary electrical upgrades and Primary Gallery rehabilitation)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Tasks 3702-000, 3730-000, 3784-000, 3785-000, and 3786-000 have been combined into to this one Task Code.
3752-000	AWT No.2 Upgrade Design (2017)	Design	The design by Carollo is completed. MNWD has requested that this project be delayed pending studies and further evaluation by MNWD.
3758-000	AWT No.2 Upgrade Construction	Bid	A small portion of this project will be completed this year to maintain operation of the AWT
3759-000	AWT No.2 Electrical Upgrades	Bid	A small portion of this project will be completed this year to maintain operation of the AWT
3741-000	Southwest Influent Sewer and Manhole Design (2019)	Design	The draft RFP for this item will be presented to the Engineering Committee after completion of the Moulton Niguel Water District design.
4008-000	Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP)	Condition Assessment	Due to weather and COVID-19, this will be delayed until Winter of 2020

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECT COMMON			
3769-000	Trailer Drain Line	Construction	This is the common portion of the Miscellaneous Improvement 2018 project. The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting.
3744-000	Administration Building Repair Design (2019)	Design	This project has been awarded to Tetra Tech.
3745-000	West Slope Protection Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3746-000	Motor Control Center A, G, H Design (2019)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting. This project is currently delayed due to requests by ETWD to review other options.
3747-000	Southside Plant Flooding Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3740-000	SE Electrical Manhole Reconstruction (2018)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting.
4703-000	Laboratory Reconstruction Evaluation	Study	Project is delayed due to COVID-19 and is scheduled to begin in Fall 2020.
4704-000	Evaluate Plant and Storm Water Drainage System	Study	This project has been awarded to Tetra Tech.

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECT SOLIDS			
3751-000	Miscellaneous Improvements 2018 (Installation of access walkway and Energy Building roof)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Task 3790-000 has been combined into to this one Task Code.
3749-000	Phase I Solids Piping Upgrade (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Fall 2020.
3750-000	Dewatering Room Floor Sealing and Lighting (2019)	Design	Harper & Associates has been retained to provide a specification for the floor sealing.
3754-000	SET Piping Reconstruction (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Fall 2020.
3790-000	Solids Area Upgrade Design (2018)	Design	Lee & Ro is working on the design for the modifications to the digester gas piping.
3772-000	Hot Water Piping Reconstruction	Design	Carollo has completed the initial design for upgrading the Hot Water Piping.
3773-000	Cogeneration System Modifications	Design	A review is being conducted to identify the needed elements for this project.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 21 - EFFLUENT TRANSMISSION MAIN CAPITAL PROJECTS
('19/'20)

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECTS			
3105-000	Air Vacuum Release Valve Replacement Reach D Design and Permitting	Design	RFP for design to be submitted in September 2020
3106-000	Air Vacuum Release Valve Replacement Reach E Design and Permitting	Design	RFP for design to be submitted in September 2020
3101-000	Trail Bridge Creek Crossing Protection (Reach D) Design and Permitting	Design	Tetra Tech has submitted a set of design drawings for SOCWA review.

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

Task Code	*Description*	*Phase*	*Status*
CAPITAL IMPROVEMENT PROJECTS			
3480-000	Internal Seal Replacement (2018)	Design	A purchase order has been issued to Black & Veatch to provide design documents. The project is expected to advertise for bidding in September 2020.

Agenda Item 7g

Board of Directors Meeting

Meeting Date: August 6, 2020

TO: 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

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Summary/Discussion

The attached CIP Report shows the financial status of the three major construction projects as well any potential and Engineering Committee reviewed change orders. Please note that there are five new change orders for JBL Package B (PC 2), seven new change orders for CTP Facility Improvements (PC 15), and seven new change orders for RTP Miscellaneous Improvements 2018 (PC 17).

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

Recommended Action: Staff recommends the Board of Directors to approve the following change orders:

1. Change orders 5 through 9 totaling $82,626 for the Olsson Contract for PC 2;
2. Changer orders 1 through 7 totaling $103,173 for the PCL contract for PC 15; and
3. Change orders 1 through 7 totaling $97,761 for the Filanc contract for PC 17

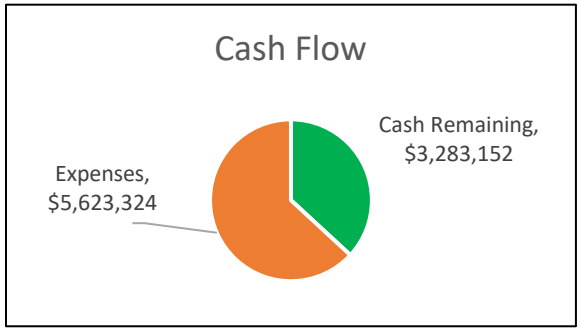
As shown in the Capital Improvement Program Project Financial Status Report.

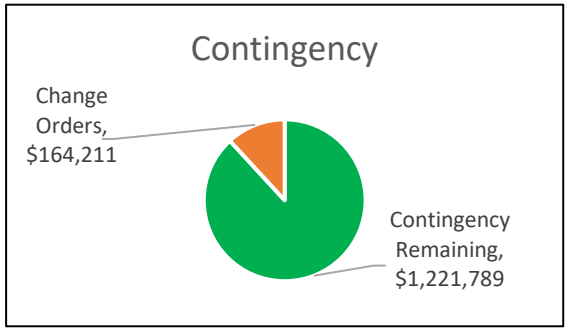
Project Financial Status

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

July 22, 2020





Cash Flow

Collected	$8,906,476
Expenses	$5,623,324

Project Completion

Schedule	43%
Budget	29%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	$ 17,325,000	$ 155,665	$ 17,480,665	$2,839,320
Butier	13647	$ 1,055,325	$ -	$ 1,055,325	$495,543
Carollo	13616	$ 846,528	$ -	$ 846,528	$439,496
TetraTech	13605	$ 94,000	$ -	$ 94,000	$77,806
		$ 19,320,853	**$ 155,665**	**$ 19,476,518**	**$3,852,164**

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	$ 616,800	$ 35,048	$ 581,752	6.0%
Common	3231-000	$ 96,800	$ -	$ 96,800	0.0%
Solids	3287-000	$ 672,400	$ 129,163	$ 543,237	23.8%
		$ 1,386,000	**$ 164,211**	**$ 1,221,789**	**13.4%**

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	Approved by Board of Directors on 12/12/2019	12/12/2019		$ 4,725
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	Approved by Board of Directors on 6/4/2020	6/4/2020		$ 6,343
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	Approved by Board of Directors on 6/4/2020	6/4/2020		$ 37,970
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	Approved by Board of Directors on 6/4/2020	6/4/2020		$ 24,002

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
5	**Olsson**	**3220-000**	**Valve Handwheel Ergonomic extension**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 16,370**
6	**Olsson**	**3287-000**	**Change to DeZurik Plug Valves to match existing**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 41,994**
7	**Olsson**	**3287-000**	**Digester 4 Additional Concrete Repair**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 7,413**
8	**Olsson**	**3287-000**	**Repair Existing Damaged Electrical Box**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ (1,829)**
9	**Olsson**	**3220-000**	**Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 18,678**

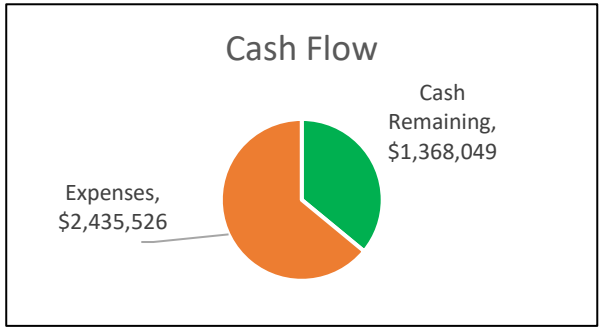
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
A	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)	-$1,000	$ -
B	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)	$5,000	$ -
C	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)	$50,000	$ -
E	Olsson	3287-000	Relocation of MCC-F1	Potential Change	(blank)	$40,000	$ -
F	Olsson	3287-000	Conduit Routing Conflict	Potential Change	(blank)	$15,000	$ -
G	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)	$0	$ -
H	Olsson	3287-000	Additional Concrete Repair	Potential Change	(blank)	$5,000	$ -
J	Olsson	3287-000	Ductbank Digester 4 Interferences	Potential Change	(blank)	$50,000	$ -
K	Olsson	3287-000	Ductbank O Interferences	Potential Change	(blank)	$5,000	$ -
L	Olsson	3287-000	Ductbank J Interferences	Potential Change	(blank)	$40,000	$ -
Grand Total						$209,000	$ 155,665

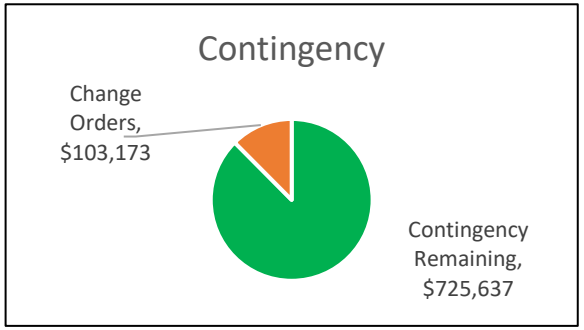
Project Financial Status

Project Committee	15
Project Name	Facility Improvements
Project Description	Basin and Electrical rehabilitation

Data Last Updated

July 22, 2020





Cash Flow

Collected	$3,803,575
Expenses	$2,435,526

Project Completion

Schedule	52%
Budget	23%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	$ 9,209,000	$ 103,173	$ 9,312,173	$1,260,230
Butier	13647	$ 812,288	$ -	$ 812,288	$298,263
Hazen & Sawyer	13648	$ 490,484	$ -	$ 490,484	$157,231
		$ 10,511,772	**$ 103,173**	**$ 10,614,945**	**$1,715,724**

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	$ 828,810	$ 103,173	$ 725,637	14.2%
		$ 828,810	**$ 103,173**	**$ 725,637**	**14.2%**

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	**PCL**	**3539-000**	**Additional Potholing**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 22,936**
2	**PCL**	**3539-000**	**Gas Line Replacement**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 41,006**
3	**PCL**	**3539-000**	**Main Switchgear Building Underground Conflicts**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 8,683**
4	**PCL**	**3539-000**	**Mud Valve Bolt Removal**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 6,577**
5	**PCL**	**3539-000**	**Additional Anchor Bolt Removal**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 15,271**
6	**PCL**	**3539-000**	**Slide Gate Concrete Repair**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 3,396**

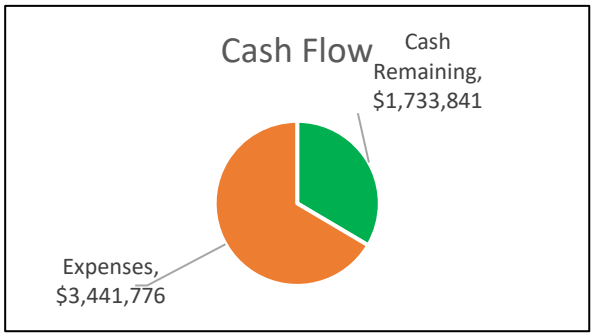
7	**PCL**	**3539-000**	**Sludge Collector Wear Strips**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 5,304**
B	PCL	3539-000	Additional Pothole Paving	Potential Change	(blank)	$5,000	$ -
E	PCL	3539-000	Ferric Containment Foundation	Potential Change	(blank)		$ -
F	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)		$ -
H	PCL	3539-000	Telescoping Valve Modifications	Potential Change	(blank)	$24,000	$ -
I	PCL	3539-000	Secondary Clarifier Anchor Bolt Replacement	Potential Change	(blank)		$ -
K	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Potential Change	(blank)	$32,612	$ -
L	PCL	3539-000	Blasting and Coating in Secondary Tanks	Potential Change	(blank)	$10,000	$ -
M	PCL	3539-000	Drainage Pump Station Descope	Potential Change	(blank)	-$400,000	$ -
N	PCL	3539-000	RAS Channel Modification Descope	Potential Change	(blank)		$ -
O	PCL	3539-000	SCE Transformer Slab Box	(blank)	(blank)	$4,378	$ -
Grand Total						-$324,010	$ 103,173

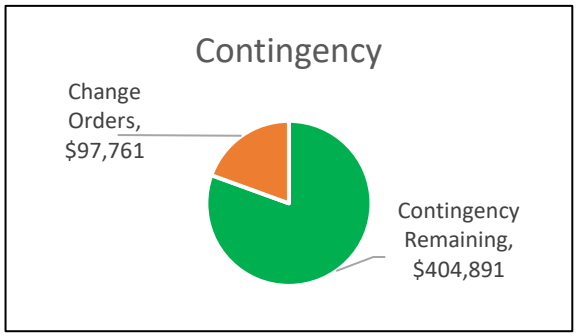
Project Financial Status

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

Data Last Updated

July 22, 2020





Cash Flow

Collected	$5,175,617
Expenses	$3,441,776

Project Completion

Schedule	71%
Budget	76%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	$ 4,181,205	$ 97,761	$ 4,278,966	$2,098,840
Dudek	14164	$ 137,625	$ -	$ 137,625	$69,320
Lee & Ro	14006	$ 123,310	$ -	$ 123,310	$84,685
		$ 4,442,140	**$ 97,761**	**$ 4,539,901**	**$2,252,844**

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	$ 343,593	$ 87,480	$ 256,113	34.2%
Common	3769-000	$ 4,545	$ -	$ 4,545	0.0%
Solids	3751-000	$ 154,514	$ 10,281	$ 144,233	7.1%
		$ 502,652	**$ 97,761**	**$ 404,891**	**24.1%**

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	**Filanc**	**3701-000**	**Additional Conduit Support around Admin Building**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 32,929**
2	**Filanc**	**3701-000**	**Primary Deck Conduit Supports**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 9,611**
3	**Filanc**	**3701-000**	**Electrical Manhole 2 collar concrete/pavement repair**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 2,987**
4	**Filanc**	**3701-000**	**Primary Gallery Concrete Deck Repair**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ 6,363**
5	**Filanc**	**3701-000**	**VFD Cabinet change from 316 to 304 Stainless Steel**	**Within Contingency, reviewed by Engineering Committee**	**6/11/2020**		**$ (2,100)**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
6	**Filanc**	**3701-000**	**Ductbank Vault size change to accommodate existing utilities and sump**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 37,690**
7	**Filanc**	**3751-000**	**Energy Building Roof Steel Beam Anchor Embedment**	**Within Contingency, reviewed by Engineering Committee**	**7/9/2020**		**$ 10,281**
C	Filanc	3701-000	Polymer Room VFD Relocation	Potential Change	(blank)	$10,000	
Grand Total						$10,000	$ 97,761

Agenda Item 8a

Board of Directors Meeting

Meeting Date: August 6, 2020

TO: PC 5 Board of Directors
PC 2 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: FY 2019-20 O&M Budget Update and Proposed Budget Amendments

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Summary/Discussion

The Finance Committee will be reviewing this agenda item on August 4, 2020, and will provide a report at the Board of Directors meeting on August 6, 2020.

In this past fiscal year there have been two statewide disaster declarations (Covid-19 Pandemic and Civil Unrest), one locally declared emergency (Laguna Beach North Coast Interceptor sewer spill), and one Agency declared emergency (Effluent Transmission Main (ETM) sewer spill) during this Fiscal Year. The COVID-19 pandemic is affecting major economic and financial markets, and virtually all industries and government agencies are facing challenges associated with the economic efforts to address it.

Throughout the pandemic response SOCWA has tracked the COVID-19 related expenditures for the purpose of submission to FEMA in the amount of $79,000. Staff can report that despite these expenses, the total O&M budget will not be exceeded.

In May 2020, the Board approved several Project Committee budget adjustments, including (i) PC 2 $50,000[1], PC 12 $35,000[2], PC 21 $100,000[3], PC 23 $30,000[4]. These additions are reflected in the YTD financials report as a part of the Adjusted Budget information.

As reported to the Finance Committee at its June 23, 2020 meeting, for the projected close of the fiscal year (May and June 2020) it appears that PC 5 will come in over budget by $60,000 in costs related to support of the Junction Structure Project and increases in permit fees, among other items[5].

[1] Funding power, utility standby, ferric chloride and SCADA costs.

[2] Funding Cal State Univ. research human source tracking for watersheds and technical evaluation WQIP studies.

[3] Funding emergency pipeline repair and response costs.

[4] Funding November 2019 water quality analysis.

[5] Expenses related to NPDES permitting for the outfall and repair of offshore buoys marking water quality test locations.

Additionally, for PC 2 Operations Expenses totaling approximately $140,000 have been identified as over budget in the final quarter of the FY. Staff will provide an update on costs at the Board meeting for PC 2.

In addition, for purpose of completing the expenditure of the PC 21 funding approved as noted in May 2020, staff intends to recommend with the FY 2019-2020 Use Audit a carry forward of approved funding to complete the pipeline repair and response.

For purposes of closing the fiscal year with budget approvals consistent with year-end expenditures, the staff recommends:

1. PC 5 to approve a FY 2019-2020 Budget Adjustment of $60,000.
2. PC 2 to approve a FY 2019-2020 Budget Adjustment of $140,000 (with possible revision at the Board meeting based on final bills coming in).

   Staff notes that there will not be an exceedance of the total O&M Budget and refunds from other PCs due to the member agencies will net out the additional expense(s) in the final Use Audit.

Recommended Actions:

1. Staff recommends that the PC-5 Board of Directors approve a FY 2019-2020 Budget Adjustment in the amount of $60,000.
2. Staff recommends that the PC-2 Board of Directors approve a FY2019-2020 Budget Adjustment in the amount of $140,000 (or amended amount).

Agenda Item 8b

Legal Counsel Review: Yes

Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Revised SOCWA Pretreatment Ordinance - Ordinance 2020-1; Revised SOCWA Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements – Diversion Policy 2020-1: First Readings

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Summary

The Pretreatment Compliance Audit (PCA) of the SOCWA Pretreatment Program was conducted on December 5-6, 2018, with a report issued to SOCWA on November 14, 2019. The PCA requires SOCWA to add terms to the current sewer use ordinance (SUO) (2015-1) regarding 'Indirect Discharge' and amend terms regarding 'National Pretreatment Standards' and 'Slug Discharge'. The PCA further requires the current SUO to reference the Enforcement Response Plan (in three sections) and modify language regarding Self-Monitoring and Reporting (Article 8.) to be more consistent with Federal Regulations.

SOCWA is further amending its SUO to add a definition of term for 'Non-Stormwater Discharge' and modify the term for 'Stormwater' to be more consistent with its Diversion Policy. SOCWA is modifying its current Diversion Policy (2001) to amend definition of terms for 'Class IV Special Wastewater Discharge (SWD) Permit', 'Dry Weather Nuisance Flow', 'Dry Weather Period' and 'SOCWA' and add a definition of term for 'Non-Stormwater Discharge'.

Discussion/Analysis

The PCA required SUO revisions are non-substantial, as defined in 40 CFR 403.18(b), but necessary to maintain the Pretreatment Program in compliance with federal and State regulations. San Diego Water Board (SDWB) Staff preliminarily reviewed and approved the revisions by electronic mail on June 22, 2020.

The modification of SOCWA's Diversion Policy is necessary to better reflect when stormwater may no longer be considered stormwater and may then be allowed to be discharged to sewer facilities, approved through issuance of a SWD Permit or Nuisance-water SWD Permit.

Advisory Committee Review

N/A

Fiscal Impact

Minor expense for review and preparation of the revised pretreatment ordinance and diversion policy and publication costs for the public hearing notice and ordinance and policy summary.

Recommended Action – Conduct first readings of Ordinance 2020-1 & Diversion Policy 2020-1, call public hearing

1 MOTION BY BOARD. That the Board of Directors conducts first readings of proposed Ordinance of Regulations for the Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area (Ordinance 2020-1) and Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements (Diversion Policy 2020-1)

2. CHAIRMAN RECITES COMPLETE TITLE OF ORDINANCE AND DIVERSION POLICY. "Ordinance 2020-1 – An Ordinance of Regulations for the Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area". "Diversion Policy 2020-1 - Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements".

3. MOTION BY BOARD. That the Board of Directors waives reading of the complete text of Ordinance 2020-1 and Diversion Policy 2020-1

4. MOTION BY BOARD. That the Board of Directors calls a public hearing to receive public comments on Ordinance 2015-1 and Diversion Policy 2020-1 for the next regular Board Meeting to be held on September 3, 2020, and directs Secretary and legal counsel to publish a Notice of Public Hearing one time in a newspaper of general circulation in the SOCWA service area, and post the Notice on SOCWA's website and the agenda posting board.

Attachment 1 – Ordinance 2020-1 with revisions from Ordinance 2009-1 marked-up

Attachment 2 – Diversion Policy 2020-1 with revisions from Diversion Policy 2001 marked-up

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)
NOTICE OF PUBLIC HEARING
SUMMARY OF 2020-1 PRETREATMENT ORDINANCE & DIVERSION POLICY 2020

PUBLIC HEARING ON ADOPTION OF 2020-1 ORDINANCE OF REGULATIONS FOR THE DISCHARGE OF WASTEWATER TO SEWERAGE FACILITIES OF THE SOCWA SERVICE AREA–ADDED HAZARDOUS WASTE NOTICE REQUIREMENT AND 2020-1 POLICY FOR ACCEPTANCE OF INTERIM DRY WEATHER NUISANCE FLOW TO THE COLLECTION, TREATMENT AND DISPOSAL SYSTEM PURSUANT TO PRETREATMENT PROGRAM AND WASTE DISCHARGE REQUIRMENTS

Notice is hereby given that the SOCWA Board of Directors will hold a public hearing to consider adoption of the 2020-1 Pretreatment Ordinance which amends the current SOCWA 2015-1 Pretreatment Ordinance to maintain the Pretreatment Program in compliance with federal and State regulations, make minor changes, and ensure consistency with SOCWA's Diversion Policy.

Notice is hereby given that the SOCWA Board of Directors will hold a public hearing to consider adoption of the 2020-1 Diversion Policy to amend the Policy to make clearer when stormwater may be approved and permitted to be discharged to sewer facilities.

The SOCWA Board will open the public hearing on **Thursday, September 3, 2020, at 8:30 a.m.**, or as soon thereafter as possible. The public hearing will be held via teleconference with staff participating from the SOCWA Administrative Offices located at 34156 Del Obispo Street, Dana Point, California, 92629. SOCWA is a joint powers agency, whose member agencies are the following: City of San Juan Capistrano, City of San Clemente, Santa Margarita Water District, Trabuco Canyon Water District, South Coast Water District, Moulton Niguel Water District, El Toro Water District, City of Laguna Beach, Emerald Bay Services District and Irvine Ranch Water District.

SUMMARY OF 2020-1 PRETREATMENT ORDINANCE ADDITION

The 2020-1 Pretreatment Ordinance revises existing pretreatment regulations by: a.) adding terms regarding 'Indirect Discharge' and 'Non-Stormwater Discharge' and amending terms regarding 'National Pretreatment Standards', 'Slug Discharge' and 'Stormwater', b.) adding reference to SOCWA's Enforcement Response Plan (in three sections), and c.) modifying language regarding Self-Monitoring and Reporting (Article 8.) to be more consistent with Federal Regulations.

SOCWA's 2020-1 Diversion Policy is necessary to amend definition of terms for 'Class IV Special Wastewater Discharge (SWD) Permit', 'Dry Weather Nuisance Flow', 'Dry Weather Period' and 'SOCWA' and add a definition of term for 'Non-Stormwater Discharge'.

The complete Ordinance is available for review at SOCWA's Administrative Offices located at 34156 Del Obispo Street, Dana Point, 92629, between the hours of 8:30 a.m. and 4:30 p.m. Monday through Friday. Comments on the Ordinance scheduled for adoption may be made during the public hearing, or by providing written comments in advance to SOCWA, Attention: Industrial Waste Department at the above referenced address. Please reference the public hearing and subject matter in any correspondence. For further information, you may contact Katie Greenwood, SOCWA Source Control Manager, at (949) 234-5400.

s/_____
Betty Burnett, Secretary/ General Manager
South Orange County Wastewater Authority

Attachment - 2

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
(SOCWA)

WASTE DISCHARGE PRETREATMENT AND SOURCE CONTROL PROGRAM

An Ordinance of
Regulations for the Discharge of
Wastewater to Sewerage Facilities of the
South Orange County Wastewater Authority
Service Area

ORDINANCE 2015-1
As amended xxx

Prepared by the
Industrial Waste Division
South Orange County Wastewater Authority

(Revised)

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THE BOARD OF DIRECTORS OF THE SOUTH ORANGE COUNTY WATEWATER AUTHORITY (SOCWA) DOES ORDAIN AND ADOPT THE FOLLOWING ORDINANCE AND REGULATIONS:

ARTICLE 1
GENERAL PROVISIONS

101. INTRODUCTION

A. The South Orange County Wastewater Authority (SOCWA) is a Joint Powers Authority (JPA) that collects, treats and disposes of wastewater from a service area of member agencies (MAs) located in southern Orange County, California. SOCWA's MAs include the City of Laguna Beach (CLB), City of San Clemente (CSC), City of San Juan Capistrano (CSJC), El Toro Water District (ETWD), Emerald Bay Service District (EBSD), Irvine Ranch Water District (IRWD), Moulton Niguel Water District (MNWD), Santa Margarita Water District (SMWD), South Coast Water District (SCWD) and the Trabuco Canyon Water District (TCWD).

B. SOCWA is governed by a Board of Directors (Board) with each director representing a member agency (MA). The MAs join together in various project committees to construct and operate joint sewerage facilities.

C. SOCWA is the lead agency responsible for the implementation of the provisions contained in this ordinance. The MAs of SOCWA may opt to administer and enforce these provisions under SOCWA's oversight, or they may contract with SOCWA to provide these services directly to them. A separate interagency agreement between a MA and SOCWA along with a separate MA ordinance defines each agency's duties and responsibilities.

102. OBJECTIVES

A. The objectives of this ordinance are to:

1. Enable compliance with various regulatory agencies and the National Pollutant Discharge Elimination System (NPDES) requirements.
2. Prevent the introduction of pollutants that may cause interference of sewerage facility operations.
3. Identify the goals, objectives and procedures for complying with federal pretreatment standards.
4. Prevent biosolids contamination.
5. Promote the opportunity to recycle or reclaim wastewaters, or biosolids from sewerage facilities.
6. Encourage waste minimization and material substitution by users.
7. Protect sewerage facility employees and the general public who may be affected by wastewater, biosolids or chemical hazards.
8. Encourage the reuse, recycling or reduction of water, wastewater or solids that are discharged to sewerage facilities.
9. Minimize the discharge of volatile organic compounds that could individually or collectively contribute to a decrease in the quality of air emissions from sewerage facilities.
10. Establish an effective monitoring program for the control of user discharges to sewerage facilities.
11. Establish an enforcement response plan (ERP) to help ensure consistent application of the provisions of this Ordinance.
12. Equitably distribute costs.
13. Prevent the introduction of pollutants into sewerage facilities that may pass through a sewerage facility inadequately treated, into receiving waters, or otherwise be incompatible with sewerage facilities.

102. OBJECTIVES (cont)

14. Incorporate the necessary laws and regulations in order to implement and enforce federal, State of California (State), SOCWA and MA standards.

15. Seek to identify users that discharge or have the potential to discharge toxic pollutants, noncompatible or excessive amounts of compatible wastes to sewerage facilities.

103. PURPOSE

A. The purpose of this ordinance is to:

1. Provide for the maximum public benefit from the use of SOCWA and/or MA sewerage facilities. This is accomplished by regulating the use of sewerage facilities and wastewater discharges by providing equitable distribution of costs in compliance with applicable federal and State regulations and by providing procedures that will allow SOCWA and/or a MA to comply with requirements placed upon them by other regulatory agencies. Any revenues derived from the application of this ordinance may be used to recover the cost of providing services by SOCWA and/or a MA, which includes but are not limited to administration, monitoring, and enforcement.

2. Comply with federal and State regulations, which allow SOCWA and/or a MA to meet applicable standards for the final effluent and ocean outfall quality. This ordinance establishes quality and quantity limitations on all wastewater discharges whether or not the discharges adversely affect SOCWA and/or a MA sewerage facilities, processes, ocean outfall effluent quality, or inhibit SOCWA's and/or a MA's ability to meet its specific discharge limitations. It is the intent of this ordinance to improve the quality of wastewater being received for treatment and to encourage water conservation by all users connected to a sewerage facility. It is SOCWA's and/or a MA's intent to discourage the increase in quantity (mass emission) of waste constituents being discharged. This ordinance also imposes pretreatment requirements on the degree of waste authorized to be discharged to SOCWA's and/or a MA's sewerage facilities; provides for the issuance of wastewater discharge permits or other controlling mechanism to impose additional case-by-case requirements, as appropriate, and establishes fees and other penalties for noncompliance and/or violation of this ordinance.

104. POLICY

A. The policy of this ordinance is to be:

1. Interpreted in accordance with the definitions set forth in Article 2. The provisions of this ordinance shall apply to the discharge of all wastes carried to SOCWA and/or MA sewerage facilities, and have been liberally construed so as to effectuate the environmental purposes, objectives, and other provisions set forth herein.

2. Committed to wastewater reclamation and reuse in order to provide an alternate source of water supply. The adoption of programs for reclamation through secondary and tertiary treatment processes may necessitate more stringent quality requirements on wastewater discharges. In the event that more stringent quality requirements are necessary, this ordinance may be amended to reflect those changes.

3. Committed to the beneficial use of biosolids. The implementation of programs to land apply or provide for the marketing and distribution of biosolids may necessitate more stringent quality requirements on wastewater discharges. In the event that more stringent quality requirements are necessary, this ordinance may be amended to reflect these changes.

4. Committed to compliance with all applicable federal and State laws including the Clean Water Act in 33 United States Code 1251 et seq. and the general pretreatment regulations described in 40 CFR 403.

105. APPLICABILITY

This ordinance shall apply to users within the SOCWA and/or MA service area and to users outside the SOCWA and/or MA service area who, by wastewater discharge permit or other controlling mechanism, make use of SOCWA and/or MA sewerage facilities.

106. AVAILABILITY OF SEWERAGE FACILITIESIES

If capacity in the sewerage facility as a whole is not available, SOCWA and/or a MA may restrict the discharge of existing users until sufficient capacity can be made available. SOCWA and/or a MA may refuse immediate service to new users where their proposed quality or quantity of wastewater is unacceptable to the available sewerage facility.

107. NOTICE TO EMPLOYEES

A. SOCWA and/or MA shall provide one (1) copy of this ordinance to each user that has received a wastewater discharge permit, upon request.

B. Users who are issued a wastewater discharge permit may make copies of this ordinance available to their employees.

C. Users who are issued a wastewater discharge permit may make copies of the permit so as to make it available to all personnel.

D. A Notice may be permanently posted in prominent places advising employees to call SOCWA and/or a MA in the event of an uncontrolled spill or discharge as soon as possible and to submit a report as indicated in Section 803 or 804 of this ordinance. The Notice shall provide for necessary instruction and information, including but not limited to:

1. SOCWA phone numbers.
2. MA phone numbers.
3. Recording the time of the incident.
4. Name and location of user.
5. Type, concentration and volume of the discharge.
6. Corrective action taken.
7. Name of person reporting the incident.

ARTICLE 2
DEFINITIONS AND ABBREVIATIONS

201. DEFINITIONS CONTAINED IN PUBLICATION

A. Unless otherwise defined herein, terms related to water quality shall be defined in the same manner as in the latest edition of Standard Methods for the Examination of Water and Wastewater, published jointly by the American Public Health Association (APHA), The American Water Works Association (AWWA), and the Water Environment Federation (WEF).

B. The testing procedure for waste constituents and characteristics shall be as described in 40 CFR 136 as specified.

202. DEFINITION OF TERMS

A. Words used in this ordinance in the singular may include the plural and the plural may include the singular. Use of masculine shall mean feminine and the use of feminine shall mean masculine.

B. The definitions in this ordinance are not intended to narrow the scope of definitions set forth in federal or State regulations. Unless the context specifically indicates otherwise the following terms, or pronouns used in their place, shall be interpreted as follows:

1. Act or "the Act". The Federal Water Pollution Control Act also known as the Clean Water Act (CWA) as well as any amendments, guidelines, limitation or standards promulgated by the EPA pursuant to the Act, (33 USC 1251 et seq.).

2. Approval Authority. Refers to the US Environmental Protection Agency (EPA), the California State Water Resources Control Board (SWRCB), or the local California Regional Water Quality Control Board (RWQCB).

3. Baseline Monitoring Report (BMR). A required report for all industrial users subject to a categorical pretreatment standard. A BMR provides information that documents an industrial user's compliance status with all applicable pretreatment standards.

4. Batch Dump. The discharge of pollutants or compatible wastes in a manner or method that is not approved or is prohibited by SOCWA.

5. Best Available Technology (BAT). A level of technology that is based on the very best (state of the art) control and treatment measures that have been developed or are capable of being developed for a particular industrial category.

6. Best Management Practices (BMPs). A set of schedules of activities, prohibitions of practices, maintenance procedures, operating procedures and other management practices used to control a user or a group of similar users' discharge to sewerage facilities. BMPs may include, but are not limited to treatment requirements, operating procedures, and practices to control plant site runoff, spillage of leaks, sludge or waste disposal, or drainage from raw materials storage.

7. Best Practicable Technology (BPT). A level of technology represented by the average of the best existing wastewater treatment performance levels within an industrial category.

8. Biochemical Oxygen Demand (BOD). The quantity of oxygen utilized in the biochemical oxidation of organic matter in wastewater using appropriate testing procedure and expressed as a concentration (e.g.,mg/L).

9. Biodegradable. A material that can be decomposed by a biological process.

10. Biohazardous Waste. A material that is likely to transmit etiologic agents that cause, or significantly contribute to the cause of, increased morbidity or mortality of human beings as set forth by the State Medical Waste Management Act.

202. DEFINITION OF TERMS (cont)

11. Board. The Board of Directors of the South Orange County Wastewater Authority (SOCWA).

12. Building Sewer. The entire length of a private sewage service lateral extending from the building or structure that is connected to a sewerage facility.

13. By-Pass. Any intentional diversion of waste streams around any portion of a user's pretreatment equipment.

14. Categorical Industrial User (CIU). A user subject to a federal categorical pretreatment standard or categorical standard.

15. Chain of Custody. A document used to ensure the integrity of a sample, which includes a record of each person involved in the possession of a sample, securing the sample, and final disposal of the sample.

16. Chemical Oxygen Demand (COD). The quantity of oxygen required to oxidize all compounds, both organic and inorganic, in wastewater using the appropriate testing procedure and expressed as a concentration (e.g., mg/L).

17. Class I User. Any user determined by SOCWA that meets the criteria of significant industrial user (SIU) as described in 40 CFR 403.

18. Class II User. Any user determined by SOCWA that is not a SIU and may discharge pollutants or non-compatible wastes which may impact sewerage facilities.

19. Class III User. Any user determined by SOCWA that is not a SIU and may discharge conventional pollutants or compatible wastes which may impact sewerage facilities.

20. Class IV User. Any user determined by SOCWA that may discharge or is proposing to discharge special wastewater that may contain toxic or conventional pollutants, or non-compatible or compatible wastes which may impact sewerage facilities.

21. Code of Federal Regulations (CFR). The code of the Federal Government of the United States of America, which contains all of the federal regulations including environmental regulations.

22. Company Authorized Representative (CAR). An individual designated by the user, who is responsible for signing all submittals to SOCWA and/or MA and who meets the criteria as described in 40 CFR 403.

23. Compatible Waste. Waste that does not contain toxic pollutants or non-compatible waste. This may include a combination of, but not limited to, conventional pollutants or other wastes that sewerage facilities are designed to accept and/or remove. Compatible wastes are non-compatible when discharged in quantities that have an adverse effect on sewerage facilities or NPDES Permit, or when discharged in qualities or quantities violating any National Pretreatment Standard or other discharge requirement or as determined by SOCWA and/or MA.

24. Composite Sample. A collection of individual samples obtained at intervals based on an increment of either flow or time. The resulting mixture, a composite sample, forms a representative sample of the wastestream discharged during the sample period.

25. Control Authority (CA). The South Orange County Wastewater Authority.

26. Conventional Pollutants. Those pollutants which are designated pursuant to Section 304(a)(4) of the Act which include, biochemical oxygen demand (BOD), total suspended solids (TSS), fecal coliform, pH, and oil and grease.

27. Daily Maximum. The arithmetic average of all effluent samples for a pollutant collected during a calendar day.

202. DEFINITION OF TERMS (cont)

28. Daily Maximum Limit. The maximum allowable discharge limit of a pollutant during a calendar day. Where Daily Maximum Limits are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where Daily Maximum Limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

29. Discharger. Any entity which discharges or causes a discharge of wastewater that is directly or indirectly discharged to sewerage facilities. May be interchangeable with indirect discharger, industrial user, permittee, person or user.

30. Discharge Requirements. The requirements of federal, State or local public agencies having jurisdiction over the effluent discharged into sewerage facilities or the environment.

31. Dry Weather Nuisance Flow (nuisance flow) – Any water or other discharge which finds its way to storm drains from urban areas, composed primarily of runoff from lawn or landscape watering, washing of vehicles, hosing down of paved areas, storm drain infiltration, natural groundwater from sub-drain systems and a variety of other sources associated with urban activity. This nuisance flow may be high in bacteriological contamination, oil and grease, and may have high organic and inorganic mineral content. Nuisance flow does not include stormwater, as defined, unless stormwater is captured, treated, controlled (thereby becoming a non-stormwater, nuisance flow) and discharged to the sewer during dry weather. Nuisance flows may come in contact with people or the environment in undesirable ways. Nuisance flow is a component of urban runoff.

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32. Disposal. A controlled release to sewerage facilities or to the environment.

33. Effluent. Usually water or wastewater discharged partially or completely treated or untreated from an industrial user or treatment plant or part thereof.

34. Enforcement. A series of progressively more stringent actions used to seek compliance with federal, State or local laws, regulations, limitations and this ordinance, guided by the Enforcement Response Plan, adopted as Resolution 2009-02. Any enforcement may include monetary fees, fines or penalties.

35. Environmental Protection Agency (EPA). The U.S. Environmental Protection Agency or, where appropriate, the Regional Water Management Division Director, the Regional Administrator, or other duly authorized official of said agency.

36. Existing Source. Any source of discharge that is not a "New Source."

37. Fee. Any amount assessed to a discharger for the use of any portion of a sewerage facility which shall include, but not limited to, connection fees, monthly sewer service, industrial wastewater discharge permit, excess capacity fee, industrial wastewater treatment, laboratory testing, industrial inspection, and monitoring fees.

38. Flow Monitoring Equipment. Equipment and/or structures provided at the user's sole expense to measure, totalize, record and/or sample incoming water to the user's site or the wastewater discharged to sewerage facilities.

39. General Manager. The individual duly designated by the Board of SOCWA to administer this ordinance.

40. Grab Sample. A sample collected from a wastestream without regard to the flow in the wastestream and over a period of time not to exceed fifteen (15) minutes.

41. Grease. Includes, but is not limited to fats, oils and grease (FOG), waxes and other non-volatile materials as determined by the appropriate testing procedures.

42. Groundwater. Water that is beneath the surface of the earth.

202. DEFINITION OF TERMS (cont)

43. Hazardous Waste. Any waste that is potentially damaging to the environment or a person's health due to toxicity, ignitability, corrosivity, chemical reactivity or other reasons.

44. Indirect Discharge or Discharge. The introduction of Pollutants into a POTW from any non-domestic source regulated under section 307(b), (c), or (d) of the Act.

45. Industrial User. Any site that discharges industrial wastewater to sewerage facilities. May be interchangeable with discharger, indirect discharger, permittee, person or user.

46. Industrial Wastewater. All liquid-carried wastes or wastewater of the community, excluding domestic wastewater, and may include all wastewater from any producing, manufacturing, processing, agricultural, or other operation or location.

47. Inspector. A person authorized by the General Manager to inspect and/or monitor any industrial user's discharge or anticipated discharge to any sewerage facility.

48. Interference. A discharge that, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts any sewerage facilities, any treatment processes or operations, or any sludge processes, use or disposal and therefore, is a cause of violation of SOCWA 's NPDES permit (including an increase in the magnitude or duration of a violation) or prevents lawful biosolids or treated effluent use or disposal.

49. Interjurisdictional Agreements (Also referred to as Interagency Agreements). An agreement between SOCWA and any individual or combination of MAs, or any other local sewering agency that defines the authority and responsibility to implement the pretreatment and source control program and to enforce the regulations contained in this ordinance within the individual and/or combination of MAs, or any other local sewering agency's service area.

50. Local Limits. A set of specific discharge limits developed and enforced by SOCWA upon user sites in order to implement the general and specific discharge prohibitions as described in 40 CFR 403.

51. Local Sewering Agency. Any public agency or private company responsible for the collection, treatment or disposal of wastewater to sewerage facilities that are duly authorized under the laws of the State to construct and/or maintain sewerage facilities.

52. Lower Explosive Limit (LEL). The point where an explosive gas in an area of atmosphere that is at a sufficient concentration as to result in an explosion if a sufficient ignition source is present.

53. Mass Emission Rate. The weight of any material discharged to sewerage facilities during a given time interval. Unless otherwise specified, the mass emission rate shall mean pounds per day of a particular constituent or combinations of constituents.

54. May. Permissive or discretionary.

55. Member Agency (MA). Any one, combination, or all of the individual cities or districts which are members of SOCWA. They are: City of Laguna Beach (CLB), City of San Clemente (CSC), City of San Juan Capistrano (CSJC), El Toro Water District (ETWD), Emerald Bay Service District (EBSD), Irvine Ranch Water District (IRWD), Moulton Niguel Water District (MNWD), Santa Margarita Water District (SMWD), South Coast Water District (SCWD) and the Trabuco Canyon Water District (TCWD).

56. Monthly Average. The sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month.

57. National Pollutant Discharge Elimination System (NPDES) Permit. The document issued for the control of discharges to surface waters of the United States as detailed in Section 402 of the Act.

202. DEFINITION OF TERMS (cont)

58. National Pretreatment Standards. Includes the following terms established pursuant to 40 CFR 403.5 and 40 CFR 403.6: "Prohibited Discharges", "General Prohibitions", "Specific Prohibitions", "Local Limits", "Categorical Standards", "Categorical Pretreatment Standards", "Pretreatment Standards" and "Standards". These terms apply to any pollutant discharge regulations that are promulgated by the EPA in accordance with Section 307 (b) and (c) of the Act that limits and or prohibits the wastewater discharged by industrial users into a sewerage facility.

59. New Source. Those sources that are new as described in 40 CFR 403.

60. Non-Compatible Waste. Waste that contains toxic or non-compatible pollutants that may pass-through or cause interference if discharged to sewerage facilities.

61. Non-industrial Wastewater Discharge (NIWD) Form. A form issued to users that are considered to have wastewater of no concern discharging to sewerage facilities. This form may contain BMP's.

62. Non-Stormwater Discharge – Discharges that do not immediately originate from precipitation events unless precipitation is captured and discharged after a rain event. Including but not limited to, discharges of process water, air conditioner condensate, non-contact cooling water, vehicle wash water, sanitary wastes, concrete washout water, paint wash water, irrigation water, or pipe testing water.

63. Normal Working Day. Any period of time during which production or operation is taking place or any period which discharge to sewerage facilities is occurring.

64. North American Industry Classification System (NAICS). An industry classification system that groups establishments into industries based on the activities which they are primarily engaged.

65. Nuisance. Anything which may be injurious to health or is indecent or offensive to the senses or an obstruction to the free use of property so as to interfere with the comfort or enjoyment of life or property or which affects at the same time an entire community or neighborhood or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.

66. Ordinance. The document entitled "An Ordinance of Regulations for the Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area" containing SOCWA's requirements, conditions and limitations for discharging to sewerage facilities, as may be amended and modified.

67. Pass Through. A discharge from a user which exits sewerage facilities into waters of the United States in quantities or concentrations which, alone or in conjunction with any discharge from other sources, is a cause of a violation of any requirement of SOCWA's NPDES permit, including an increase in the magnitude or duration of a violation.

68. Permittee. A discharger who has received a permit to discharge wastewater into SOCWA's and a MA's sewerage facilities subject to the requirements and conditions established by SOCWA and the MA. May be interchangeable with discharger, indirect discharger, industrial user, person or user.

69. Person. Any individual, partnership, copartnership, firm, company, corporation, association, joint stock company, trust, estate, tenant, lessee, renter, governmental entity, or any other legal entity or their legal representatives, agents or assigns. This definition includes all federal, State and local government entities. May be interchangeable with discharger, indirect discharger, industrial user, permittee or user.

70. Pesticides. Those compounds classified as such under Federal or State law or regulations including, but not limited to, DDT (dichlorodiphenyltrichloroethane, both isomers), DDE (dichlorodiphenylethylene), DDD (dichlorodiphenyldichloroethane), Aldrin, Benzene Hexachloride (alpha, beta and gamma isomers), Chlordane, Endrin, Endrin aldehyde, TCDD (2,3,7,8-tetrachlorodibenzo-p-dioxin), Toxaphene, Alpha-endosulfan, Beta-endosulfan, Endosulfan sulfate, Heptachlor, Heptachlor Epoxide, Dieldrin, Demeton, Guthion, Malathion, Methoxychlor, Mirex and Parathion.

71. pH. A measure of the acidity or alkalinity of a solution, expressed in standard units.

202. DEFINITION OF TERMS (cont)

72. Pollutant. Any substance, constituent, compound or characteristic of wastewaters on which a discharge limitation may be imposed either by SOCWA or the regulatory agencies empowered to regulate SOCWA.

73. Polychlorinated Biphenyls (PCBs). Those compounds classified as such under Federal or State law including, but not limited to, Aroclors 1016, 1221, 1228, 1232, 1242, 1248, 1254, 1260 and 1262.

74. Pretreatment. The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to, or in lieu of, introducing such pollutants into sewerage facilities. This reduction, elimination or alteration of pollutants can be obtained by physical, chemical, or biological processes, by process changes or by other means except as prohibited as described in 40 CFR 403.

75. Pretreatment Equipment. Any equipment, structures or devices used for the treatment or flow limitation of industrial wastewater prior to discharge to sewerage facilities.

76. Pretreatment Requirements. Any substantive or procedural requirement related to pretreatment imposed on a user other than a national pretreatment standard.

77. Prohibited Discharges. Any prohibitions against the discharge of certain substances. These prohibitions appear in Article 5.

78. Public Agency. The State and any city, county, district, agency, other local authority or public body of or within this State.

79. Rainwater. Water resulting from precipitation which directly falls upon any surface.

80. Regulatory Agencies. Those agencies having jurisdiction over the operation of SOCWA and/or a MA, including, but not limited to, the following:

    ~~a. Department of Health Services (DOHS).~~

    a. California Environmental Protection Agency (Cal-EPA)

    b. Regional Water Quality Control Board (RWQCB).

    c. State Water Resources Control Board (SWRCB).

    d. South Coast Air Quality Management District (SCAQMD).

    e. United States Environmental Protection Agency (EPA).

81. Representative Sample Point. A location set forth in the user's wastewater discharge permit or other control mechanism from which wastewater can be collected that is as nearly identical in content and consistency as possible to that of the entire flow of wastewater being sampled. For categorical dischargers, this point shall be at the end of each regulated process, and for all other dischargers shall be determined on a case-by-case basis.

82. Resource Conservation and Recovery Act (RCRA). The RCRA Act of 1976 (42 U.S.C. 6901, et seq.) to implement the Conservation and Recovery of used or spent resources and as amended.

83. Routine Sampling. Any sampling conducted by SOCWA or a MA to verify compliance of a user's discharge to sewerage facilities. Sampling may consist of either grab or composite samples or a combination of both.

84. Sampling Equipment. Equipment or structure provided at the user's sole expense for SOCWA, a MA or the user to measure and record wastewater constituents, collection of samples or provide access to plug or terminate the discharge.

85. Scum. Any layer of matter or combination of air and matter that forms on or rises to the surface of a liquid or body of water.

86. Sewage. Wastewater.

202. DEFINITION OF TERMS (cont)

87. Sewerage Facilities. Any and all systems used for collecting, conveying, pumping, reclamation, recycling, reuse, storage, transportation, treatment or disposal of sewage, industrial waste of a liquid nature, wastewater, sludge or biosolids that is owned and operated by SOCWA, a MA or other public agency which is tributary to systems operated by SOCWA or a MA. This definition includes, but is not limited to, publicly owned treatment works (POTW's) as defined by Section 212 of the Act (33 U.S.C. Section 1292), public sewers, trunk lines, sewer mains, wet wells, treatments plants and ocean outfalls which are owned by SOCWA or a MA.

88. Shall. Mandatory.

89. Significant Industrial User (SIU). A user as describe in 40 CFR 403.3(v), except as provided in paragraphs c and d of this definition, which includes the following:

    a. An industrial user subject to categorical pretreatment standards; or

    b. An industrial user that: discharges an average of twenty-five thousand (25,000) gallons per day or more of process wastewater to SOCWA or a MA (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up five percent (5%) or more of the average dry weather hydraulic or organic capacity of SOCWA's or a MA's sewerage facilities; or is designated as such by SOCWA or a MA on the basis that the industrial user has a reasonable potential for adversely affecting SOCWA's or a MA's operation or for violating any pretreatment standard or requirement.

    c. SOCWA or a MA may determine that an industrial user subject to categorical pretreatment standards is a Non-Significant Categorical Industrial User (NSCIU) rather than a Significant Industrial User on a finding that the industrial user never discharges more than 100 gallons per day (gpd) of total categorical wastewater (excluding sanitary, noncontact cooling and boiler blowdown wastewater, unless specifically included in the Pretreatment Standard) and the following conditions are met:

        i. The industrial user, prior to SOCWA's or a MA's finding, has consistently complied with all applicable categorical pretreatment standards and requirements;

        ii. The industrial user annually submits the certification statement required in 40 CFR 403.12(q) together with any additional information necessary to support the certification statement; and

        iii. The industrial user never discharges any untreated concentrated wastewater.

    d. Upon a finding that an industrial user meeting the criteria in paragraph b above of this definition has no reasonable potential for adversely affecting SOCWA's or a MA's operation or for violating any pretreatment standard or requirement, SOCWA or a MA may at any time, on its own initiative or in response to a petition received from a industrial user, and in accordance with 40 CFR 403.8(f)(6), determine that such industrial user should not be considered a significant industrial user.

202. DEFINITION OF TERMS (cont)

9087. Significant Non-Compliance. A violation by a SIU (or any IU which violates paragraphs c, d, or h of this definition) as described in 40 CFR 403.8(f)(2)(viii)(A-H) which meets one or more of the following criteria:

a. Chronic violations of wastewater discharge limits, defined here as those in which sixty-six percent (66%) or more of all of the measurements taken for the same pollutant parameter during a six (6) month period exceed (by any magnitude) a numeric pretreatment standard or requirement, including instantaneous limits, as defined in 40 CFR 403.3(l);

b. Technical Review Criteria (TRC) violations, defined here as those in which thirty-three percent (33%) or more of all of the measurements taken for the same pollutant parameter during a six (6) month period equal or exceed the product of the numeric pretreatment standards or requirement including instantaneous limits, as defined in 40 CFR 403.3(l) multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH);

c. Any other violation of a pretreatment standard or requirement as defined in 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative standard) that SOCWA or a MA determines has caused, alone or in combination with other discharges, interference or pass through, including endangering the health of SOCWA or MA personnel or the general public;

d. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in SOCWA's or MA's exercise of its emergency authority under 40 CFR 403.8(f)(1)(vi)(B) to halt or prevent such a discharge;

e. Failure to meet, within ninety (90) days after the scheduled date, a compliance schedule milestone contained in a wastewater discharge permit, other control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

f. Failure to provide, within forty-five (45) days after the due date, required reports including, but not limited to, baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

g. Failure to accurately report noncompliance;

h. Any other violation or group of violations, which may include a violation of Best Management Practices, which SOCWA or a MA determines will adversely affect the operation or implementation of the local pretreatment program.

91. Sludge. Any solid, semi-solid or liquid decant, subnate, or supernate from an industrial manufacturing process, utility service or pretreatment equipment.

92. Slug Discharge. Any discharge of a non-routine, episodic nature, that may exceed the standards and prohibitions contained in Article 5 of this ordinance and significantly exceeds the usual industrial user flow or pollutant loading, either mass or concentration including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the regulations, local limits or permit conditions associated with sewerage facilities.

93. Solvent. Any substance that is used to dissolve another substance in it.

94. South Orange County Wastewater Authority (SOCWA). The Joint Powers Authority (JPA) which is formed by the participating MAs. The MAs individually and/or collectively use SOCWA's sewerage facilities. SOCWA is the holder of the NPDES permits, which state the pretreatment and waste discharge requirements for sewerage facilities.

95. Spent Solutions. Any concentrated industrial wastewater.

96. Spill Containment. Any protection equipment provided and installed at the user's sole expense to prohibit the discharge of non-compatible wastes to sewerage facilities.

202. DEFINITION OF TERMS (cont)

97. Standard Methods. Procedures described in the current edition of Standard Methods for the Examination of Water and Wastewater, as published by the American Public Health Association, the American Water Works Association and the Water Environment Federation.

98. Stormwater. Any flow occurring during or immediately following any form of natural precipitation, ~~including snowmelt,~~ which runs off, or travels, over the ground surface to a drainage area or channel or, drains uncontrolled to a municipal storm drain system for disposal in a river, stream, lake or creek and ultimately to the Pacific Ocean.

99. Street Drainage. Water resulting from surface runoff generated by rainwater, stormwater or other sources.

100. Subsurface Drainage. A method of draining that is situated under the ground (e.g., leachate control system).

101. Surface Runoff. Runoff other than that which is caused by rainfall, stormwater, or street drainage (e.g., car wash runoff, washdown runoff) originating from a user.

102. Total Organic Carbon (TOC). The measure of total organic carbon in domestic or other wastewater as determined by the appropriate testing procedure.

103. Total Suspended Solids (TSS). Any insoluble material contained as a component of wastewater and capable of separation from the liquid portion by laboratory filtration as determined by the appropriate testing procedures and expressed in terms of milligrams per liter (mg/L).

104. Toxic Pollutant. Any pollutant or combination of pollutants listed as toxic by the EPA under the provisions of Section 307(a) of the Act or other acts or that can harm human health, aquatic life or the biological treatment processes.

105. Unpolluted Water. Water to which no constituent has been added either intentionally or accidentally.

106. Upset. Any upset that meets the criteria as described in 40 CFR 403.

107. User. Any person or entity which discharges or causes a discharge of wastewater to a sewerage facility, as defined by EPA regulations. May be interchangeable with discharger, indirect discharger, industrial user, permittee or person.

108. Volatile. Natural (plant or animal origin) or synthetic substances that is capable of being evaporated or changed to vapor at relatively low temperatures.

109. Waste. Sewage and any other waste substances, liquid, solid, gaseous or radioactive.

110. Waste Manifest. A receipt which is retained by the generator of hazardous wastes as required by the State or the United States Government pursuant to RCRA or the California Hazardous Materials Act or that receipt which is retained by the generator for recyclable wastes or liquid non-hazardous wastes as required by SOCWA.

111. Wastewater. Liquid and water-carried industrial wastes and sewage from residential dwellings, commercial buildings, industrial and manufacturing sites, and institutions, whether treated or untreated, which are discharged into or permitted to enter sewerage facilities.

112. Wastewater Constituents and Characteristics. The individual chemical, physical, bacteriological, radiological, volume, flow rate and such other parameters that serve to define, classify or measure the quality and quantity of wastewater.

113. Wastewater Discharge (WD) Permit. The form of authorization from SOCWA and a MA issued to an industrial user for the discharge of wastewater. This WD Permit sets forth the limits and conditions under which the user shall be able to discharge wastewater into sewerage facilities.

203. ABBREVIATIONS

A. The following abbreviations shall have the designated meanings:

1. "BAT" Best Available Technology
2. "BMP" Best Management Practice
3. "BMR" Baseline Monitoring Report
4. "BOD" Biochemical Oxygen Demand
5. "BPT" Best Practicable Technology
6. "CA" Control Authority
7. "CAR" Company Authorized Representative
8. "CFR" Code of Federal Regulation
9. "CIU" Categorical Industrial User
10. "COD" Chemical Oxygen Demand
11. "CWF" Combined Wastestream Formula
12. "DO" Dissolved Oxygen
13. "EPA" Environmental Protection Agency
14. "ERP" Enforcement Response Plan
15. "FOG" Fats, Oils and Grease
16. "FROG" Fats, Roots, Oils and Grease
17. "gpd" Gallons per Day
18. "gpm" Gallons per Minute
19. "IU" Industrial User
20. "lb/day" Pounds per Day
21. "JPA" Joint Powers Authority
22. "LEL" Lower Explosive Limit
23. "MA" Member Agency
24. "MGD" Million Gallons per Day
25. "MSDS" Material Safety Data Sheet
26. "NAICS" North American Industry Classification System
27. "NPDES" National Pollutant Discharge Elimination System
28. "NSCIU" Non-Significant Categorical Industrial User
29. "O&G" Oil and Grease
30. "PCBs" Polychlorinated Biphenyls
31. "POTW" Publicly Owned Treatment Works
32. "PSES" Pretreatment Standards for Existing Sources
33. "PSNS" Pretreatment Standards for New Sources
34. "RCRA" Resource Conservation and Recovery Act
35. "RWQCB" Regional Water Quality Control Board
36. "SOCWA" South Orange County Wastewater Authority
37. "SIU" Significant Industrial User
38. "SNC" Significant Non-Compliance
39. "SWRCB" State Water Resources Control Board
40. "TDS" Total Dissolved Solids
41. "TOC" Total Organic Carbon
42. "TOMP" Toxic Organic Management Plan
43. "TRC" Technical Review Criteria
44. "TSS" Total Suspended Solids
45. "TTO" Total Toxic Organics
46. "U.S.C" United States Code
47. "mg/L" Milligrams per Liter (0.001)
48. "ug/L" Micrograms per Liter (0.000001)
49. "ng/L" Nanograms per Liter (0.000000001)
50. "pg/L" picograms per Liter (0.000000000001)

ARTICLE 3
AUTHORITIES AND POWERS

301. AUTHORITY

A. SOCWA is regulated by agencies of the United States Federal Government and the State under provisions of federal and State law. Federal law requires SOCWA, and the State grants SOCWA the authority to regulate and/or prohibit by adoption of ordinances, resolutions, and issuance of WD Permits or other control mechanisms, the discharge of any waste, directly or indirectly, to SOCWA's sewerage facilities. That authority includes, but is not limited to, the right to establish local limits, conditions, prohibitions, flow rates, prohibit flows discharged to SOCWA's sewerage facilities, and enforce federal, State and local requirements. This may require the implementation of compliance schedules for the installation of flow monitoring equipment by users and for SOCWA to take all actions necessary to enforce its authority, whether within or outside SOCWA 's service area, including those users that are tributary to SOCWA or within areas for which SOCWA has contracted to provide sewerage facility services.

B. SOCWA has the authority under California Health and Safety Codes 5471 and 5474, or under alternative authority pursuant to its JPA agreements, to prescribe, revise, and collect regulatory fees and to charge for services and sewerage facilities furnished by SOCWA either within or without its service area.

C. Administration and enforcement of the pretreatment program may be carried out on a daily basis by any individual and/or combination of MAs as granted by an interjurisdictional agreement under the oversight of SOCWA. However, SOCWA retains the authority to assume, at any time, administrative and enforcement powers of the pretreatment program requirements within any MA's jurisdiction.

D. SOCWA shall have the authority to seek compliance with the criteria as described 40 CFR 403, its NPDES permit and the provisions of this ordinance by, but not limited to, the following:

1. Issue WD Permits
2. Require the installation of pretreatment equipment
3. Require the installation of monitoring and/or sampling equipment and/or structures
4. Require self-monitoring and reporting of the user's discharge
5. Require the implementation of spill containment plans, equipment or structures

302. DELEGATION OF AUTHORITY

Whenever any authority or power is granted to or a duty imposed upon the General Manager, that authority or power may be exercised or that duty may be performed by a person authorized by the General Manager.

303. ENFORCEMENT POWERS

A. Enforcement action against a user for being in non-compliance with the provision of this ordinance shall include, but is not limited to, the following:

1. Issuing a Warning Notice of Non-compliance letter.
2. Issuing a Notice of Non-compliance (NON) form.
3. Issuing a Notice of Violation (NOV) form.
4. Issuing an Administrative Order (AO) which may also include, but is not limited to, the following:
    a. Probation Order (PO).
    b. Show Cause Order (SCO).
    c. Cease and Desist Order (CDO).
5. Petition the courts for injunction or civil penalties.
6. Signing criminal complaints.
7. Suspension or revocation of an issued WD Permit or other control mechanism.
8. Termination of services.
9. Administrative complaints.

B. The issuance of an enforcement action shall not be a bar against, or a prerequisite for, taking any other enforcement action against a user.

ARTICLE 4
ADMINISTRATION

401. SOCWA

A. SOCWA has the authority to implement pretreatment and source control programs in accordance with federal and State regulations and the provisions of this ordinance, and interjurisdictional agreements with the MAs.

B. SOCWA has the authority to assume administration and enforcement of this ordinance within the service area of any MA at any time.

C. SOCWA has the authority to review all ordinances pertaining to pretreatment and source control programs before adoption or implementation by a MA.

D. SOCWA has the authority to approve all forms used in the pretreatment and source control programs.

E. SOCWA has the authority to review all applications, WD Permits, other control mechanism and any enforcement actions that have been taken.

F. SOCWA has the authority to locate and terminate any non-compliant discharge that is not discontinued, upon notification that a non-compliant discharge is occurring.

G. SOCWA has the authority to oversee the establishment of technically based local limits for all sewerage facilities within the service area. A review of the local limits may be conducted every five years or in conjunction with the renewal of SOCWA's NPDES Permits.

H. SOCWA may, at its discretion, audit any MA that is performing a pretreatment and source control program.

402. MEMBER AGENCIES (MAs)

A. MAs may implement pretreatment and source control programs in accordance with federal, State, and SOCWA regulations, the provisions of this ordinance, and any interjurisdictional agreements.

B. MAs requesting to perform their own pretreatment and source control programs shall do so only by interjurisdictional agreement with SOCWA and under the oversight of SOCWA.

C. MAs that operate their own pretreatment and source control programs shall keep SOCWA apprised of their activities on a regular and consistent basis. This may be accomplished by, but not limited to, correspondence, meetings and submittal of periodic reports.

D. MAs have the authority to use fees and charges provided for within this ordinance when a user is in non-compliance.

E. MAs shall provide SOCWA any and all information and submittals by users for review and central filing.

F. MAs that operate their own sewerage facilities shall coordinate with SOCWA the establishment of technically based local limits. These limits shall be established in accordance with Section 401G. of this ordinance. These limits are to ensure that any user's effluent that is discharged to sewerage facilities does not cause, but is not limited to the following:

1. Upset, pass through or interference of the biological treatment processes.

2. Upset, pass through or interference of the sludge digestion processes.

3. Reclaimed or recycled water or generated biosolids to be unable to meet regulatory standards for beneficial reuse or unlimited distribution as defined by regulatory agencies.

4. Violation of any SOCWA or MA NPDES permit limitations.

5. Pass-through or interference causing SOCWA to violate any discharge limits of the Ocean Outfalls.

403. PROGRAM ENFORCEMENT

A. SOCWA has the authority to enforce the regulations contained within this ordinance in accordance with, but not limited to, the following:

1. SOCWA shall conduct the pretreatment and source control program for MAs unless otherwise directed by the interjurisdictional agreement with the MA.

2. MAs performing their own program shall inform SOCWA of all program activity.

3. MAs performing their own program may conduct sampling of users for verification of compliance with national pretreatment standards and inform SOCWA of such activity.

404. APPLICATIONS

All applications for WD Permits may be reviewed by SOCWA.

405. WASTEWATER DISCHARGE PERMITS

A. All proposed WD Permits shall be reviewed by SOCWA before being issued to the user.

B. All issued WD Permits shall be signed, identified and/or numbered by SOCWA.

406. INSPECTIONS, MONITORING AND ENFORCEMENT

A. SOCWA shall be notified by a MA when inspecting, monitoring, or enforcement activities will or have already occurred. This may be done by, but not limited to, the following:

1. Phone contact or correspondence.

2. Submittal of written schedule reports or status reports.

B. Emergency enforcement actions by MAs shall be reported to SOCWA by phone within twenty-four (24) hours and by written report within five (5) days of their notice to the user.

407. FUNDING

A. Upon review by SOCWA, a MA may establish a schedule of WD Permit application fees, annual fees, sample analysis charges, and any other fees or charges required to recover reasonable costs of implementing a pretreatment and source control program.

B. Costs incurred by SOCWA for its pretreatment activity may be collected by, but not limited to, the following:

1. Invoicing the MA.

2. Invoicing directly to the industrial user.

408. APPEALS

A. SOCWA has the authority to handle appeals where a MA has no jurisdiction or when SOCWA has initiated an enforcement action in accordance with the provision of this ordinance or an interjurisdictional agreement.

1. Appeals on staff action shall be directed to the General Manager.

2. Appeals on a General Manager action shall be directed to the Board.

3. Appeal action decisions by the Board shall be final.

ARTICLE 5
GENERAL DISCHARGE PROHIBITIONS AND LIMITATIONS

501. PROHIBITED DISCHARGES

A. These prohibitions apply to all users of sewerage facilities whether or not they are subject to categorical pretreatment standards or any other national, State or local pretreatment standards or requirements.

B. No user shall discharge directly or indirectly a quality or quantity of wastes, solids, viscous substances, wastewater or pollutants to sewerage facilities, either alone or by interaction with other substances, which cause or will cause:

1. Obstruction of flow.

2. Pass through or interference.

3. Inhibition of biological activity.

4. The final effluent to fail a toxicity test.

5. Corrosive or physical structural damage.

6. Danger to life and/or safety of any person.

7. Impairment of the effective maintenance or operation of any sewerage facility.

8. A fire or explosive hazard based upon a closed cup flashpoint of less than 140 degrees Fahrenheit (60^{o}C) using the test method specified in 40 CFR 261.21.

9. The presence of toxic gases, vapors, fumes, or poisonous, noxious or malodorous gas producing substances that may cause acute worker health and safety problems.

10. Any product of any sewerage facility including, but not limited to, the final effluent, biosolids, residue, sludge, or scum to be unsuitable for reclamation, reuse, or disposal.

11. Discoloration or any other condition which affects the quality of the final effluent in such a manner that discharge requirements established by regulatory agencies cannot be met.

12. Conditions which violate any statute, rule, regulation, or ordinance of any public agency or regulatory agency having jurisdiction over the discharge of wastewater through sewerage facilities.

13. The discharge of petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin which cause interference or pass through.

502. PROHIBITION ON DILUTION

Except where expressly authorized to do so by an applicable standard, no user shall discharge directly or indirectly to sewerage facilities an increase in the use of water to attempt to dilute a waste being discharged, as a partial or complete substitute for treatment to achieve compliance with this ordinance, a WD Permit, other control mechanism or to establish an artificially high flow rate for mass emission rates.

503. PROHIBITION ON BIOHAZARDOUS WASTE

No user shall discharge directly or indirectly to sewerage facilities a biohazardous waste without rendering it non-biohazardous prior to discharge if the biohazardous waste is deemed by SOCWA to pose any threat to public health and safety or will result in any violation of applicable waste discharge requirements.

504. PROHIBITION ON TOXIC OR HAZARDOUS WASTE

No user shall discharge directly or indirectly to sewerage facilities any substance that is defined as a toxic or hazardous waste by regulatory agencies, except those wastes which meet the criteria listed in 40 CFR 403.

505. PROHIBITION ON WARFARE AGENTS

No user shall discharge directly or indirectly to sewerage facilities any radiological, chemical, or biological warfare agent.

506. LIMITATIONS ON DISPOSAL OF SPENT SOLUTIONS AND SLUDGES

A. Any spent solutions, sludges, and/or other wastes generated by the user that are a hazardous waste and not treated on site shall be hauled by a registered hazardous waste transporter. The user shall complete and maintain a hazardous waste manifest that documents the removal and transport of the waste.

B. All hazardous waste manifests shall be retained for a minimum of three (3) years and shall be made available to SOCWA upon request. SOCWA may require a longer period of retention if litigation is being considered.

C. No user shall batch dump to sewerage facilities without written approval from SOCWA.

507. LIMITATIONS ON THE USE OF GRINDERS

Wastes from industrial or commercial grinders shall not be discharged into sewerage facilities, except wastes generated in packing or preparing food or food products on a case by case bases as approved by SOCWA. Such grinders must shred the waste to a degree that all particles will be carried freely under normal flow conditions prevailing in the sewerage facilities.

508. LIMITATION ON RAINWATER, STORMWATER, AND STREET DRAINAGE

No user shall discharge or cause to be discharged directly or indirectly into sewerage facilities any rainwater, stormwater, or street drainage that exceeds the first one-tenth (1/10) of an inch of precipitation from any storm event.

509. LIMITATIONS ON GROUNDWATER AND SUBSURFACE DRAINAGE

A. Groundwater and subsurface drainage shall not be discharged directly or indirectly to sewerage facilities except as provided herein.

B. SOCWA may approve the discharge of such water, by a WD Permit or other control mechanism only, when no alternate method of disposal is reasonably available or to mitigate an environmental risk or health hazard.

C. The discharge of such water shall require the following:

1. A Class IV Special Wastewater Discharge Permit or other control mechanism issued by SOCWA, and

2. Documentation from the user or user's consultant that all other alternate methods of disposal have been exhausted, and

3. User shall pay all applicable fees and charges and shall meet any other conditions as required by SOCWA.

510. LIMITATIONS ON TRUCKED OR HAULED WASTES

A. No user shall discharge trucked or hauled wastes directly or indirectly to sewerage facilities without written approval from SOCWA. Written approval may be in the form of an individual special wastewater discharge permit or other control mechanism.

B. No user shall transport waste from one location to another for the purpose of treating or discharging it directly or indirectly to sewerage facilities without written approval from SOCWA. Written approval may be in the form of an individual special wastewater discharge permit or other control mechanism.

511. LIMITATIONS ON POINT OF DISCHARGE

No user shall discharge any wastewater directly or indirectly into a manhole or other opening in a sewerage facility other than through an approved building sewer unless approved in writing by SOCWA.

512. LIMITATIONS ON RADIOACTIVE WASTES

A. No user shall discharge directly or indirectly to sewerage facilities any radioactive waste except as provided herein.

1. When the user is authorized to use radioactive materials by the State Department of Health or other governmental agency empowered to regulate the use of radioactive materials, and

2. When the waste is discharged in strict conformity with current California Radiation Control Regulations (Cal. Adm. Code Title 17) for safe disposal, and

3. When the user is in compliance with all other rules and regulations of all other applicable regulatory agencies.

513. LIMITATION ON UNPOLLUTED WATER

A. Unpolluted water such as deionized, steam waste, distilled, single pass cooling water in excess of laboratory usage, blow-down or bleed water from cooling towers, other evaporating coolers, or commercial swimming pool water drainage shall not be discharged directly or indirectly to sewerage facilities except as provided herein.

B. SOCWA may approve the discharge of such water when no alternate method of disposal or reuse is reasonably available or there is a need to mediate an environmental risk or health hazard.

C. The discharge of such water may require the following:

1. A Class IV Special Wastewater Discharge Permit or other written control mechanism, and

2. Documentation from the user or user's consultant that all other alternate methods of disposal have been exhausted, and

3. User shall pay all applicable fees and charges and shall meet any other conditions as required by SOCWA

514. MASS EMISSION LIMIT DETERMINATION

A. Mass emission limits for compatible and non-compatible wastes that are present or anticipated in the user's wastewater discharge may be set for each user and made an applicable part of each user's wastewater discharge permit or other control mechanism. These limits shall be based on Table I, local limits or national pretreatment standards and the user's average daily wastewater discharge for the past three (3) years, the most recent representative data, or other data acceptable by SOCWA.

B. To verify the user's operating data, the user may be required to submit an inventory of all wastewater streams and production data.

C. SOCWA may revise local limit concentration limits or mass emission limits previously established in the user's wastewater discharge permit or other control mechanism at any time, based on current and/or anticipated operating data, the ability to meet NPDES Limits, and/or changes in the requirements of regulatory agencies.

D. The increased usage of water to establish an artificially high flow rate database for mass emission limit determinations is prohibited.

515. WASTEWATER STRENGTHS AND CHARACTERISTICS

A. No user shall discharge wastewater directly or indirectly to sewerage facilities with the following strengths and characteristics:

1. Having a temperature higher than 140 degrees Fahrenheit (60 degrees centigrade) or which causes the temperature at the influent to a wastewater treatment plant to exceed 104 degrees Fahrenheit (40 degrees centigrade).

2. Containing substances that may precipitate, solidify, or become viscous at temperatures between 50 degrees Fahrenheit (10 degrees centigrade) and 104 degrees Fahrenheit (40 degrees centigrade).

3. Containing materials that will readily settle or cause an obstruction to flow in sewerage facilities or be detrimental to the proper operation of a sewerage facility. These materials may include, but are not limited to, asphalt, dead animals, offal ashes, sand, mud, straw, industrial process shavings, metal, glass, rags, feathers, tar, plastics, wood, whole blood, bones, hair, coffee grounds, egg shells, flashings, diatomaceous earth, seafood shells, and paper products not intended for use in sewerage facilities.

4. Producing a gaseous mixture that is ten percent (10%) or greater of the lower explosive limit (LEL). Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, ketones, and alcohols.

5. Having a pH less than 5.0 or greater than 11.0.

6. Containing recognizable portions of human or animal anatomy.

7. Containing excessive flow, constituents or other materials, including but not limited to, biological oxygen demand, chemical oxygen demand, total organic carbon, toxic pollutants, suspended solids, grease and oil of animal or vegetable origin, total dissolved solids, detergents, surface-active agents, phenolic compounds or other substances that are released in a discharge at a flow rate and/or concentration which will cause problems, pass-through or interference with sewerage facilities.

8. Containing PCBs in excess of 0.01 mg/L as a daily maximum.

9. Containing pesticides in excess of 0.01 mg/L as a daily maximum.

10. Violation of any applicable national pretreatment standards, State standards, or other local regulations covering wastewater disposal.

516. SPECIFIC LOCAL LIMITS

A. SOCWA is authorized to establish local limits pursuant to 40 CFR 403.

B. No user shall discharge directly or indirectly a quality or quantity of wastes or wastewater containing toxic pollutants, non-compatible or compatible wastes to sewerage facilities in excess of Table I, Specific Local Limits. All local limits for the metal pollutants are for "total" amount analyzed, unless indicated otherwise.

Table I
Specific Local Limits

Pollutant	Limit (mg/L)
Arsenic	3.4
Cadmium	0.93
Chromium	4.9
Copper	7.2
Lead	4.9
Mercury	0.19
Nickel	9.5
Silver	2.8
Zinc	7.9
Cyanide	4.3
Oil and Grease (Total)	300

C. Local limits are subject to more stringent standards as established by national pretreatment standards. Local limits are deemed to be pretreatment standards for the purposes of Section 307(d) of the Act and are enforceable under Section 309 of the Act, potentially subjecting a user to a penalty of $25,000 per day for each violation.

D. SOCWA may place more stringent standards within any wastewater discharge permit or other control mechanism issued to a user at any time, based on current and/or anticipated operating conditions presented in the wastewater discharge permit application, the ability to meet NPDES permit limits, and/or changes in the requirements of regulatory agencies.

E. SOCWA may develop Best Management Practices (BMP's) for use in any wastewater discharge permit or other control mechanism to implement local limits and the requirements contained in this ordinance.

517. STATE REQUIREMENTS

Upon the adoption of any State requirements on user discharges that are more stringent than federal requirements or the limitations contained in this ordinance, that State standard shall then immediately supersede the federal standard and the limitations of this ordinance.

518. FEDERAL REQUIREMENTS

A. Upon adoption of a national pretreatment standard more stringent than those contained in this ordinance, the federal standard shall immediately supersede the limitations listed in this ordinance and the affected significant industrial users shall be notified of the new standards and applicable reporting requirements.

B. The significant industrial user shall comply with the national pretreatment standard within the time provided in the federal regulations that establish such standards even if the wastewater discharge permit has not yet been modified to incorporate the new requirement or standard.

C. The significant industrial user shall comply with any applicable requirements under Sections 204(b) and 405 of the Act and Subtitles C and D of the RCRA.

ARTICLE 6
WASTEWATER DISCHARGE PERMITS

601. WRITTEN AUTHORIZATION

A. Users may be required to obtain written authorization to use sewerage facilities. This written authorization may be in the form of a wastewater discharge permit or other control mechanism issued by SOCWA. No vested right shall be given or be granted by issuance of wastewater discharge permit or other control mechanism as provided for in this ordinance.

B. When written authorization is granted, all the types of wastewater discharge permits and any other control mechanisms shall be expressly subject to all the provisions of this ordinance and all other regulations, charges for use and fees established by SOCWA. The requirements contained in wastewater discharge permits or other control mechanisms are subject to enforcement under this ordinance and under State and federal law.

C. All users that have obtained written authorization shall discharge their process wastewater only as provided for by their wastewater discharge permit or other control mechanism.

D. Compliance with wastewater discharge permit or other control mechanism provisions does not relieve the user from complying with any other applicable federal, State or local requirement.

602. TYPES OF WASTEWATER DISCHARGE PERMITS

A. The wastewater discharge permit may be in one of four (4) types and is dependent upon process, volume and pollutant characteristics of the users discharge. The four types of wastewater discharge permits are:

1. Class I – Wastewater Discharge (WD) Permit,

2. Class II – Wastewater Discharge (WD) Permit.

3. Class III – Wastewater Discharge (WD) Permit.

4. Class IV – Special Wastewater Discharge (SWD) Permit.

603. TRANSFER PROHIBITION

Wastewater discharge permits issued under this ordinance are for a specific user, for a specific operation at a specific location. Wastewater discharge permits shall not be transferred for an operation at a different location.

604. CHANGE OF OWNERSHIP

A. Upon the sale or transfer of ownership of any business operating under a wastewater discharge permit issued by SOCWA, the user shall notify SOCWA in writing prior to the change of ownership. The successor owner shall be required to apply for a new wastewater discharge permit prior to the sale or transfer of ownership.

B. In the event that the original owner fails to notify SOCWA of the sale or transfer of ownership than said original owner may be jointly liable for any charges incurred by the new owner.

C. This does not relieve the new owner of any liability for non-compliance with any federal, State, or local regulations or the provisions of this ordinance.

605. EXCESS CAPACITY REGULATORY FEE

New users or existing users that expand operations that require substantial sewerage facility capacity may be subject to an excess capacity sewerage facility regulatory fee in an amount and method to be solely determined by SOCWA on a case-by-case basis.

606. OUT OF SERVICE AREA WASTEWATER DISCHARGE PERMITS

Wastewater discharge permits for users located outside of SOCWA's service area but tributary to SOCWA's sewerage facilities shall only be issued after approval by SOCWA. Inspection and sampling of the user's discharge to determine compliance with discharge regulations will be made under a coordinated plan developed by SOCWA and the local sewering agency. The more stringent discharge regulations and effluent limitations of affected agencies shall apply to the user. The fees for use shall be determined by SOCWA and set forth in an interjurisdictional agreement.

607. REQUIRED INFORMATION

A. To provide for the equitable use of sewerage facilities, SOCWA shall have the right to require a user to provide all information necessary to maintain compliance with the provisions of this ordinance, including treatability studies to determine whether the wastewater would be compatible with all sewerage facilities. This information shall include, but is not limited to the following:

1. Wastewater discharge flow rates, peak flow rates and volume over any period of time.
2. Physical, chemical or bacteriological analysis of wastewater.
3. Information on raw materials, processes and products.
4. Quantity, disposition and waste manifests of specific liquids, sludge, oil, solvent or other materials.
5. Details of any pretreatment facilities.
6. Details of systems to prevent and control the loss of material through spills or slug discharges.
7. Review of all types of water bills.

608. CONFIDENTIAL INFORMATION

All user information and data on file shall be available to the public and governmental agencies without restriction, unless the user specifically requests and is able to demonstrate to the satisfaction of SOCWA that the release of such information would divulge information, processes or methods which would be detrimental to the user's competitive position. The demonstration of the need for confidentiality made by the user must meet the burden necessary for withholding such information from the general public under applicable State and federal law. Any such claim must be made at the time of submittal of the information by marking "Confidential Business Information" on each page containing such information within the submittal. Information, which is demonstrated to be confidential, shall not be transmitted to any governmental agency without prior notification to the user. Information concerning wastewater quality and quantity shall not be recognized as confidential information and shall be available to the public without reservation.

609. CLASS I – WASTEWATER DISCHARGE (WD) PERMIT

No user requiring a Class I WD Permit shall discharge wastewater without obtaining a Class I WD Permit. A Class I user, as determined by SOCWA, proposing to discharge directly or indirectly into a sewerage facility shall obtain a WD Permit by filing an application and paying any applicable fees before discharging.

610. CLASS II – WASTEWATER DISCHARGE (WD) PERMIT

No user requiring a Class II WD Permit shall discharge wastewater without obtaining a Class II WD Permit. A Class II user, as determined by SOCWA, proposing to discharge directly or indirectly into a sewerage facility shall obtain a WD Permit by filing an application and paying any applicable fees before discharging.

611. CLASS III – WASTEWATER DISCHARGE (WD) PERMIT

No user requiring a Class III WD Permit shall discharge wastewater without obtaining a Class III WD Permit. A Class III user, as determined by SOCWA, proposing to discharge directly or indirectly into a sewerage facility shall obtain a WD Permit by filing an application and paying any applicable fees before discharging.

612. CLASS IV – SPECIAL WASTEWATER DISCHARGE (SWD) PERMIT

A. No user requiring a Class IV SWD Permit shall discharge wastewater without obtaining a Class IV SWD Permit. A Class IV user, as determined by SOCWA, proposing to discharge directly or indirectly into a sewerage facility shall obtain a SWD Permit by filing an application and paying any applicable fees before discharging.

B. The SWD Permit may be issued when no alternative method of disposal is reasonably available or to mitigate an environmental risk or health hazard.

C. A user proposing to discharge diverted urban nuisance water may be issued a nuisance special wastewater discharge (NSWD) permit only after they have completed the requirements contained in the SOCWA and/or MA "Nuisance Flow Diversion Policy."

D. A user proposing to discharge trucked or hauled wastes may be issued a hauled special wastewater discharge (HSWD) permit only after they have completed all requirements set forth by SOCWA on a case by case basis. All trucked or hauled waste users shall comply with the terms, conditions and limitation set forth in a HSWD Permit as determined by SOCWA to be necessary to protect sewerage facilities. A trucked or hauled waste user proposing to discharge waste into a SOCWA or MA sewerage facility may be required to obtain both a valid Orange County Health Department permit (where applicable) and a HSWD Permit prior to any discharge.

613. NON-INDUSTRIAL WASTEWATER DISCHARGE (NIWD) FORM

A. At the sole discretion of SOCWA, any user that is considered to have wastewater of no concern discharging to sewerage facilities may be classified as an NIWD user and issued an NIWD form.

B. Any user that has had a Class I, II, or III WD Permit that no longer has a discharge containing noncompatible wastes to sewerage facilities may be classified as an NIWD user and issued an NIWD form.

C. The main functions of the NIWD form are to assist in maintaining the user survey data base and to track and verify by inspection any user that is considered to have wastewater of no concern discharging to sewerage facilities.

614. APPLICATION FOR WASTEWATER DISCHARGE PERMIT

A. Users required to obtain a WD Permit shall complete and file with SOCWA, prior to commencing a discharge, if applicable, an application on a form prescribed by SOCWA.

B. Users seeking a WD Permit may be required to submit, in units and terms appropriate for evaluation and review, the following information:

1. Name and address of the site, NAICS numbers (if applicable), and a description of the manufacturing process or service activity.

2. Name, address of any and all, (whichever is applicable) principals/owners/major share holders of company; articles of incorporation; most recent report of the Secretary of State and business license.

3. Flow, volume, time, duration and types of wastewater to be discharged.

4. Name, address and contact information of the individual who shall serve as the CAR.

5. Name and address of property owner, landlord and/or manager of the property.

614. APPLICATION FOR WASTEWATER DISCHARGE PERMIT (cont)

6. Water supplier and water account numbers.

7. Wastewater constituents and characteristics as required or deemed necessary by SOCWA, including but not limited to, those mentioned in this ordinance. These constituents and characteristics shall be determined by a laboratory selected by the discharger acceptable to SOCWA.

8. Number of employees and average hours of work per employee per day.

9. Waste minimization, best management practices and water conservation practices.

10. All production records, if applicable.

11. Waste manifests, if applicable.

12. Tons of cooling tower capacity, if applicable.

13. List of other environmental control permits and EPA Hazardous Waste Generator number, if applicable.

14. Application signed by the CAR of the user and contains the certification statement in Section 802.E.

15. Any other information as specified.

C. Users may be required to submit site, floor, mechanical, plumbing, toxic organic management, and spill containment plans for evaluation.

D. After evaluation of the data furnished, SOCWA may issue a WD Permit, a NIWD Form or other control mechanism subject to the terms and conditions set forth in this ordinance and as otherwise determined by the General Manager to be necessary to protect sewerage facilities.

E. The WD Permit application may be denied if the user fails to establish to SOCWA's satisfaction that adequate pretreatment equipment is included within the user's plans to ensure that the discharge limits will be met or if the user has, in the past demonstrated an inability to comply with applicable discharge limits or has in the past demonstrated an inability to keep current with invoices for items such as WD Permit fees, non-compliance fees, civil penalties, administrative civil penalties or charges for use.

615. APPLICATION FOR SPECIAL WASTEWATER DISCHARGE PERMIT

A. Users required to obtain a SWD Permit shall complete and file with SOCWA, prior to commencing a discharge, if applicable, an application on a form prescribed by SOCWA.

B. Users seeking a SWD Permit may be required to submit, in units and terms appropriate for evaluation, the following information:

1. Name, address and a description of the wastewater to be discharged.

2. Name, address and contact information of the individual who shall serve as the CAR.

3. Volume, time and duration of wastewater to be discharged.

4. Construction and plumbing plans if applicable.

5. Detailed analysis of the alternatives for wastewater disposal if applicable.

6. Wastewater constituents and characteristics as required or deemed necessary by SOCWA, including but not limited to, those mentioned in this ordinance. These constituents and characteristics shall be determined by a laboratory selected by the user acceptable to SOCWA.

7. Any other data as specified.

615. APPLICATION FOR SPECIAL WASTEWATER DISCHARGE PERMIT (cont)

C. Users may be required to submit site, mechanical, plumbing, toxic organic management, and spill containment plans for evaluation if applicable.

D. After evaluation of the information furnished, SOCWA may issue a SWD Permit or other control mechanism subject to the terms and conditions set forth in this ordinance and as otherwise determined by the General Manager to be necessary to protect sewerage facilities.

E. In the case of diverted urban nuisance water, after evaluation of the information furnished, SOCWA may issue a NSWD Permit, subject to the terms and conditions set forth in this ordinance and the "Nuisance Flow Diversion Policy" as otherwise determined by the General Manager to be necessary to protect sewerage facilities.

F. The SWD Permit application may be denied if the user fails to establish to SOCWA's satisfaction that adequate pretreatment equipment is included within the user's plans to ensure that the discharge limits will be met or if the user has, in the past demonstrated an inability to comply with applicable discharge limits or has in the past demonstrated an inability to keep current with invoices for items such as SWD Permit fees, non-compliance fees, civil penalties, administrative civil penalties or charges for use .

616. APPLICATION FOR NON-INDUSTRIAL WASTEWATER DISCHARGE (NIWD) FORM

A. Users meeting the criteria for a NIWD Form, may be asked to complete and file with SOCWA an application on a form prescribed by SOCWA.

B. Information on users that meet the criteria for a NIWD Form may be obtained solely by SOCWA during user site inspections or by any other means.

C. After evaluation of the data furnished by the user or information collected solely by SOCWA an NIWD form may be issued.

617. WASTEWATER DISCHARGE PERMIT TERMS, CONDITIONS, AND LIMITATIONS

A. All WD Permits shall be expressly subject to the terms, conditions, and limitations of this ordinance, other regulatory agencies regulations, Best Management Practices, charges for use, and fees established by SOCWA. The terms, conditions and limitations in a WD Permit are subject to enforcement by SOCWA in accordance with this ordinance, and applicable State and federal regulations. Any WD Permit violation shall be a violation of this ordinance.

B. The terms, conditions and limitations of any issued wastewater discharge permit may be subject to modification and changes by SOCWA during the life of the WD Permit based on:

1. The discharger's current or anticipated operating data.

2. The SOCWA's current or anticipated operating data.

3. Changes in the requirements of regulatory agencies.

C. Users may request a modification to the terms, conditions and limitations of an issued WD Permit. The request shall be in writing stating the requested change, and the reasons for the change. SOCWA shall review the request, make a determination and respond in writing. A request for a WD Permit modification does not relieve a user from complying with its existing WD Permit terms, conditions or limitations.

D. Any changes to the terms, conditions and limitations in a WD Permit shall include a reasonable time schedule for compliance where allowed under applicable federal, State and local law.

617. WASTEWATER DISCHARGE PERMIT TERMS, CONDITIONS, AND LIMITATIONS (cont)

E. A wastewater discharge permit may contain any, but is not limited to, the following terms, conditions and limitations:

1. Effluent limits, including mass emission rates, concentration limits or best management practices based on applicable pretreatment standards for regulating pollutants.
2. Discharge limits based upon the combined wastestream formula (CWF).
3. Limits on rate and time of discharge or requirements for flow regulation and equalization.
4. Requirements for the user to make notification in writing prior to the physical expansion or any change to any wet processes. Notification is also required in the event of changes in production if production-based limits are being applied.
5. Requirements for the user to construct and maintain, at the users own expense, pH control, flow monitoring and/or sampling equipment and/or structures.
6. Requirements for submission of technical reports, discharge reports and waste manifests.
7. Location of sampling point(s) and the requirements to self-monitor.
8. Requirements for maintaining plant records relating to wastewater discharge and waste manifests as specified by SOCWA.
9. Predetermined rates or values for wastewater strength characteristics.
10. Requirements to submit copies of water bills.
11. Other provisions which may be applicable to ensure compliance with this ordinance.
12. Other terms, conditions and limitations determined by SOCWA to be necessary to protect sewerage facilities.
13. Predetermined rate or value for BOD and suspended solids.
14. Requirements for notification of bypass discharges.
15. Requirements for notification of any new introduction of wastewater constituents or any substantial change in the volume or character of wastewater constituents.
16. Requirements to meet compliance schedules.
17. Requirements for the user to control slug discharges by developing and implementing a slug discharge control plan, if determined by SOCWA to be necessary as described in 40 CFR 403.8(f)(1)(iii)(B)(6).
18. Requirements for the user to control toxic organic discharges by developing and implementing a toxic organics management plan if determined by SOCWA to be necessary.

618. WASTEWATER DISCHARGE PERMIT DURATION

All WD Permits shall not exceed a duration of five (5) years. Any WD Permit may be issued for a shorter period of time at the sole discretion of SOCWA.

619. WASTEWATER DISCHARGE PERMIT RENEWAL

A. The user may file a new application prior to the expiration date of any existing wastewater discharge permit for renewal.

B. Discharge after the termination date of a wastewater discharge permit is prohibited except:

1. If the user filed a timely renewal application which is complete, and:

2. SOCWA, through no fault of the user, does not issue a new wastewater discharge permit with an effective date on or before the expiration date of the previous wastewater discharge permit.

620. SOCWA's RIGHT OF REVISION

A. SOCWA reserves the right to establish, by ordinance, or by wastewater discharge permit, or by Best Management Practices, or by any other control mechanism more stringent standards or requirements on the discharge of users to sewerage facilities.

B. The terms, conditions and limitations contained in any wastewater discharge permit, Best Management Practices or other control mechanism may be modified by SOCWA at any time. This modification shall be by written notification to the user.

ARTICLE 7
PRETREATMENT EQUIPMENT REQUIREMENTS

701. PRETREATMENT

A. All pretreatment equipment or devices may be reviewed by SOCWA. Such review shall not absolve the user of any responsibility of meeting prohibitions, limitations, requirements, standards and local limits on discharges.

B. User shall provide wastewater treatment as necessary which may include, but is not limited to, the use of best available technology (BAT) or best practicable technology (BPT) concepts to comply with this ordinance and shall achieve compliance with all prohibitions, limitations, standards and local limits before discharging to any sewerage facility. Any equipment required to pretreat, sample, control or transport wastewater shall be provided and maintained in proper operating condition at all times at the user's sole expense.

C. User may be required to submit waste analysis plans, contingency plans, and meet other requirements to ensure proper operation of pretreatment equipment and compliance with their wastewater discharge permit limits and this ordinance.

D. No user shall increase the use of water or in any other manner attempt to dilute a discharge as a partial or complete substitute for treatment to achieve compliance with this ordinance, a wastewater discharge permit or other control mechanism.

702. SPILL CONTAINMENT

A. Each user shall provide spill containment for protection against the discharge of prohibited materials or other wastes regulated by this ordinance. This protection shall be designed in accordance with reasonable engineering standards to secure the discharges and to prevent them from entering into a sewerage facility. This equipment shall be provided and maintained at the user's sole expense.

B. If it can be shown that a user's spill containment equipment did not prevent a discharge which caused SOCWA to violate its requirements, incur additional operational expenses, or suffer loss or damage to sewerage facilities, that user shall be responsible for any costs or expenses, including assessments by other agencies or any costs incurred by SOCWA.

C. A notice may be permanently posted on the user's bulletin board or other prominent place advising employees who to call in the event of a prohibited discharge. Employers shall ensure that all employees who may cause or suffer such a prohibited discharge to occur are advised of the emergency notification procedure.

703. MONITORING AND METERING EQUIPMENT

A. The user may be required to construct and maintain in proper operating condition at the user's sole expense, flow and/or constituent monitoring and/or sampling equipment.

B. Any sample taken from a user's sample point shall be considered to be representative of the discharge to sewerage facilities.

C. Monitoring or metering equipment may be required to include a security enclosure that can be locked with a SOCWA provided lock during any sampling and monitoring period.

D. Location of the monitoring or metering equipment shall be subject to approval by SOCWA.

E. SOCWA shall be provided clear and uninterrupted access to monitoring or metering locations.

F. When one or more users discharge into a sewerage facility, those users may be required to install a separate monitoring location for each user. Also in the judgment of SOCWA, if there is a significant difference in wastewater constituents and characteristics produced by different operations of a single user, that user may be required to install separate monitoring locations for each operation. Separate monitoring may also be required for different processes subject to categorical pretreatment standards.

703. MONITORING AND METERING EQUIPMENT (cont)

G. Users with the potential to discharge flammable solutions may be required to install and maintain at their sole expense a combustible gas detection meter.

H. All wastewater samples shall be representative of the user's discharge. Wastewater monitoring and flow measurement equipment shall be operated, kept clean, and maintained in good working order at all times. Failure by the user to keep its monitoring equipment in good working order shall not be grounds for the user to claim that sample results are unrepresentative of its discharge.

704. DRAWING SUBMITTALS

A. Detailed plans of any proposed construction of pretreatment, spill containment, monitoring and metering equipment and operating procedures shall be submitted for review by the due date contained within a written request from SOCWA. The review of the plans and procedures shall in no way relieve the user of the responsibility of modifying the equipment or procedures in the future as necessary to meet the requirements of this ordinance or any other requirement of other regulatory agencies.

B. All drawings shall include:

1. North arrow.
2. Scale size.
3. User name and address.
4. Date drawn or revised.
5. Location of proposed pretreatment, spill containment, monitoring and metering equipment.

C. SOCWA may require drawings to scale depicting the manufacturing process (waste generating source), spill containment, pretreatment and/or monitoring or metering equipment.

D. SOCWA may require a schematic drawing of the pretreatment, spill containment, monitoring and metering equipment.

E. SOCWA may require the drawings be prepared by a California registered chemical, mechanical, or civil engineer.

705. WASTE MINIMIZATION, RECYCLING, AND TREATMENT

A. User shall provide waste minimization plans to conserve water, investigate product and/or materials substitution, maintain inventory control records and implement employee education, and other steps as necessary to minimize waste produced by the due date contained within a written request from SOCWA.

B. Waste minimization, recycling and treatment shall be demonstrated wherever feasible in the following priority:

1. Source reduction which includes, but is not limited to, substitution of less hazardous materials, spill prevention and control measures, proper storage and handling of chemicals and raw materials.
2. Recovery and reuse which includes, but is not limited to, substitution of less hazardous materials, spill prevention and control measures, proper storage and handling of chemicals and raw materials.
3. Treatment that includes but is not limited to, pretreatment techniques as to render hazardous wastes harmless or suitable for disposal to sewerage facilities.

ARTICLE 8
INSPECTION, MONITORING, SAMPLING,
NOTIFICATION, AND REPORTING REQUIREMENTS

801. INSPECTION AND MONITORING

A. SOCWA may inspect and sample the wastewater generating and disposal equipment of any user's site to ascertain whether the requirements of this ordinance are being met and the user is complying with all requirements.

B. Where a user has instituted security measures requiring proper identification and clearance before entry onto the premises, the user shall make all necessary arrangements with its security in order that the inspectors of SOCWA shall be allowed to enter the premises without delay for the purpose of performing their authorized duties.

C. SOCWA shall have the right to set up on the user's property or any other locations, as determined by SOCWA, such devices as are necessary to conduct sampling or metering operations of the user's discharge to sewerage facilities.

D. In order for SOCWA to determine the wastewater characteristics of a discharge for compliance with this ordinance, wastewater discharge permit or other control mechanism requirements, the user may be required to make available for inspection and copying all records including, but not limited to, production records, required self-monitoring and chain of custody records, any additional records of information obtained pursuant to monitoring activities undertaken by the user independent of such requirements, documents associated with Best Management Practices and waste manifests without restriction, but subject to the confidential provisions set forth in this ordinance. All records shall be maintained by users and remain available for a minimum of three (3) years. This period shall be automatically extended for the duration of any litigation concerning the user, or where the user has been notified by written request from SOCWA. Such records shall be made available to SOCWA upon request.

E. Any temporary or permanent obstruction to safe and easy access to the user's site to be inspected and/or sampled shall be promptly removed by the user at the written or verbal request of SOCWA and shall not be replaced. The costs of clearing such access shall be at the sole expense of the user.

F. Inspection and/or sampling of any user's site shall be conducted at any time, by any means, in any amount, at any location, on any limit, requirement or pollutant in a manner and frequency as determined at the sole discretion of SOCWA.

802. SELF-MONITORING AND REPORTING

A. Self-monitoring of wastewater pollutants, constituents and characteristics of the user needed for determining compliance with any limitations and requirements as specified in the user's wastewater discharge permit, federal regulations, this ordinance or other control mechanism may be required. The self-monitoring requirement, frequency, forms and reporting shall be set forth in the user's wastewater discharge permit or other control mechanism. These reports may include, but are not limited to, the following:

1. Baseline monitoring reports (BMR's).

2. Compliance schedule progress reports.

3. 90-day compliance reports.

4. Self-monitoring reports containing monitoring and analysis to demonstrate continued compliance as described in 40 CFR 403.12(g)(1-6).

5. Other reports as required by SOCWA, other regulatory agencies or applicable law.

802. SELF-MONITORING AND REPORTING (cont)

B. Failure by the user to perform any self-monitoring or reporting required by SOCWA shall be a violation of this ordinance, and is deemed to be a violation for each parameter and each day in the time period for which monitoring was required, and cause for SOCWA to initiate all necessary tasks and analysis to determine the wastewater pollutants, constituents and characteristics for any limitations and requirements specified in the user's wastewater discharge permit or in this ordinance. The user shall be responsible for any and all expenses incurred by SOCWA in undertaking such monitoring analysis and preparation of reports.

C. All users required to sample and analyze their wastewater shall use the sampling methods and the sampling locations as set forth in their wastewater discharge permit. For each sample collected and analyzed, the user shall maintain a record of:

1. Date, exact place, method and time of sampling and the name of the person taking the sample.
2. Date analysis performed.
3. Identity and address of the person who performed the analysis.
4. The analytical methods used.
5. Results of the analysis.

D. Samples taken shall be representative of conditions occurring during the reporting period. Users shall submit all monitoring data, even if the user samples more frequently than required by its wastewater discharge permit. User is required to provide advance notice of any substantial change in the volume or character of pollutants in their discharge.

E. When required, all submitted applications and user reports shall be signed by the CAR as defined in this ordinance. Each application and any required user report shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Date: _____

Signature: _____

Print Name: _____

Title: _____

User Name: _____

User Site Address: _____

User Mailing Address: _____

Phone: _____

Permit No: _____

802. SELF-MONITORING AND REPORTING. (cont)

F. Self-monitoring reports shall be subject to the provisions of 18 U.S.C. Section 1001 relating to false statements and fraud and the provisions of Section 309(c)(2) of the Act governing false statements.

G. The analysis of a user's wastewater pollutants, constituents and characteristics shall be done by a laboratory approved by SOCWA.

H. If self-monitoring indicates a violation the user shall notify SOCWA within 24 hours of becoming aware of the violation. The user shall repeat the sampling and analysis and submit the results of the repeat analysis to SOCWA within 30 days after ~~the repeat sampling event~~becoming aware of the violation. Resampling by a user is not required if SOCWA performs the sampling at the user's site at least once a month, or if SOCWA performs sampling at the user between the time when the initial sampling was conducted and the time when the user or SOCWA receives the results of the sampling, or if SOCWA has performed the sampling and analysis in lieu of the user.

I. The analysis of wastewater pollutants, constituents and characteristics and the preparation of the self-monitoring report shall be done at the sole expense of the user.

J. The user shall establish and maintain a sample point on each discharge line at a location representative of the discharge to sewerage facilities. The maintenance of any sample point equipment shall be done at the sole expense of the user. Any sampling location shall be set forth in the user's wastewater discharge permit.

K. Any user subject to the reporting requirements of this ordinance shall retain all records of monitoring activities and results for a minimum of three (3) years and shall make them available to SOCWA upon request. SOCWA may require a longer period of retention if litigation is being considered or has resulted.

L. Any user subject to self-monitoring reporting requirements may be required to submit self-monitoring reports on forms approved by SOCWA.

M. Any user determined to be a non-significant categorical industrial user (NSCIU) by SOCWA pursuant to Section 202.B.86.c. and 808.B shall annual submit the following certification statement signed by the CAR as defined in this ordinance. This certification shall accompany an alternative report required by SOCWA:

"Based on my inquiry of the person or persons directly responsible for managing compliance with categorical pretreatment standards under 40 CFR ____, I certify that, to the best of my knowledge and belief that during the period from January 1, ____ to December 31, ____:

(a) The facility described as _____ met the definition of non-significant categorical industrial user as described in Section 202.B.86.c.;

(b) The facility complied with all applicable pretreatment standards and requirements during this reporting period; and (c) the facility never discharged more then 100 gallons of total categorical wastewater on any given day during this reporting period.

Date: _____

Signature: _____

Print Name: _____

This compliance certification is based on the following information.

_____

_____

803. REPORT OF SPILL, SLUG DISCHARGE, BATCH DUMPING OR UPSET

A. In the event the user is unable to comply with any of the wastewater discharge permit conditions due to a breakdown of equipment, accidents caused by human error, or intentional action by any party, or acts of God, or any other cause, the user shall notify SOCWA as soon as possible of any spill, slug discharge, batch dumping or upset.

B. Confirmation of this notification shall be made in writing within five (5) working days of the original notification, unless waived by SOCWA. The written notification shall contain:

1. Date of the incident.

2. Reason for the spill, slug discharge, batch dumping or upset.

3. The steps that were taken to immediately correct the problem.

4. The steps that are being taken to prevent the problem from recurring.

5. Any other information SOCWA deems relevant.

C. Such notification shall not relieve the user of any expense, loss, damage, liability or fees which may be incurred as a result of damage or loss to sewerage facilities or any damage or loss to persons or property. Such notification shall never relieve the user from any fees or liability that may be imposed by this ordinance, other regulatory agencies or other applicable law.

D. Significant industrial users shall notify SOCWA immediately of any changes at its site affecting the potential for a slug discharge.

804. REPORTING OF BY-PASS

A. By-pass of industrial wastewater through pretreatment equipment to the sewerage facilities is prohibited. Enforcement action may be taken against the user, unless:

1. By-pass was unavoidable to prevent loss of life, personal injury, or severe property damage, and

2. There were no feasible alternatives to the by-pass, such as the use of auxiliary treatment equipment, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a by-pass which occurred during normal periods of equipment downtime or preventative maintenance, and

3. The user submitted notice as required by this ordinance, or;

4. The bypass did not exceed user discharge limits and was required for essential maintenance.

B. If a user knows in advance of the need for a by-pass, it shall submit prior notice to SOCWA at least ten (10) days before the date of the by-pass.

C. SOCWA may approve an anticipated by-pass after considering its adverse effects, if SOCWA determines that it will meet the conditions listed within this section.

804. REPORTING OF BY-PASS (cont)

D. A user shall submit notice of an unanticipated by-pass that exceeds their wastewater discharge permit limitation to SOCWA within 24 hours from the time the user becomes aware of the by-pass. A written report shall also be provided within five (5) working days of the time that the user becomes aware of the by-pass. The report shall contain:

1. Description of the by-pass and its cause.

2. Duration of the by-pass, including exact dates and times.

3. Anticipated time it is expected to continue if the by-pass has not been corrected.

4. Steps taken or planned to reduce, eliminate, and prevent recurrence of the by-pass.

E. Failure to submit notice and/or written report may be grounds for wastewater discharge permit suspension or revocation. Failure to provide timely notice under Section 804.D. is deemed a waiver of the bypass defense for the user violation.

F. Such notification shall not relieve the user of any expense, loss, damage, or other liability which may be incurred as a result of damage or loss to sewerage facilities or any other damage or loss to person or property. Such notification shall never relieve the user from any fees or liability that may be imposed by this ordinance, other regulatory agencies or other applicable law.

805. BASELINE MONITORING REPORTS (40 CFR 403.12(b))

A. Within either one hundred eighty (180) days after the effective date of a categorical pretreatment standard or the final administrative decision on a category determination under 40 CFR 403.6(a)(4), whichever is later, an existing categorical industrial users currently discharging to or scheduled to discharge shall submit to SOCWA a report containing the information listed below. At least ninety (90) days prior to commencement of discharge, new sources, and sources that become categorical industrial users subsequent to the promulgation of an applicable categorical standard shall submit to SOCWA a report containing the information listed below. A new source shall report the method of pretreatment it intends to use to meet applicable categorical standards. A new source also shall give estimates of its anticipated flow and quantity of pollutants to be discharged. The baseline monitoring report shall include, but is not limited to, the following:

1. Identifying information. The name and address of the site, including the name of the operator and owner.

2. Permits. A list of any environmental control permits held by or for the site.

3. Description of Operations. A brief description of the nature, average rate of production, and standard industrial classification of the operation(s) carried out by such industrial user. This description should include a schematic process diagram, which indicates points of discharge to sewerage facilities from the regulated processes.

4. Flow Measurements. Information showing the measured average daily and maximum daily flow, in gpd, to sewerage facilities from regulated process streams and other streams as necessary.

5. Measurement of Pollutants. The categorical pretreatment standards applicable to each regulated process and the results and analysis identifying the nature and concentration, and/or mass, where required by the standard or by SOCWA, of regulated pollutants in the discharge from each regulated process. Instantaneous, daily maximum, and long-term average concentrations, or mass where required, shall be reported. The sample shall be representative of daily operations. In cases where the standards requires compliance with a BMP or pollution prevention alternative, the industrial user shall submit documentation as required by SOCWA or the applicable standards to determine compliance with the standard.

6. Certification. A statement, reviewed by the industrial user's CAR and certified by a qualified professional, indicating whether pretreatment standards are being met on a consistent basis, and if not, whether additional operation and maintenance (O&M) and/or additional pretreatment is required to meet the pretreatment standards and requirements.

805. BASELINE MONITORING REPORTS (40 CFR 403.12(b)) (cont)

7. Compliance schedule. If additional pretreatment and/or O&M will be required to meet the pretreatment standards, the shortest schedule by which the industrial user will provide such additional pretreatment and/or O&M. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard.

8. Signature and certification. All monitoring reports shall be signed and certified in accordance with Section 802 E. of this ordinance.

806. REPORT ON PROGRESS IN MEETING COMPLIANCE SCHEDULES (40 CFR 403.12(c))

A. All Class I users required to submit compliance schedules shall report their progress no later than fourteen (14) days after each due date contained in their compliance schedule.

B. The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the user to comply with the applicable pretreatment standards.

C. No increment referred to above shall exceed nine (9) months.

D. In no event shall more than nine (9) months elapse between progress reports to SOCWA.

807. REPORT ON COMPLIANCE WITH CATEGORICAL PRETREATMENT STANDARDS DEADLINE (40 CFR 403.12(d))

A. Within ninety (90) days following the date for final compliance with the applicable categorical standards or within ninety (90) days of the introduction of wastewater into sewerage facilities, the affected user shall submit a report containing the information listed below. This report shall include, but is not limited to the following:

1. Flow Measurements. Information showing the measured average daily and maximum daily flow, in gallons per day, to sewerage facilities from regulated process streams and other streams.

2. Measurement of Pollutants. The categorical pretreatment standards applicable to each regulated process and the results and analysis identifying the nature and concentration, and/or mass, where required by the standard or by SOCWA, of regulated pollutants in the discharge from each regulated process. Instantaneous, daily maximum, and long-term average concentrations, or mass where required, shall be reported. The sample shall be representative of daily operations.

3. Certification. A statement, reviewed by the user's CAR and certified by a qualified professional, indicating whether pretreatment standards are being met on a consistent basis, and if not, whether additional operation and maintenance (O&M) and/or additional pretreatment is required to meet the pretreatment standards and requirements.

4. Signature and certification. All monitoring reports shall be signed and certified in accordance with Section 802 E. of this ordinance.

808. PERIODIC COMPLIANCE REPORT

A. All Class I users subject to federal pretreatment standards (except a non-significant categorical user) as a minimum shall submit reports containing the information required in 40 CFR 403.12 during the months of June and December, or as required in their wastewater discharge permit or other control mechanism.

B. A Class I user determined to be a non-significant categorical industrial user by SOCWA or a MA pursuant to Section 202.B.86.c. shall annually submit a report containing information as required in their wastewater discharge permit or other control mechanism.

C. All users may be required to submit periodic compliance reports containing information as required in their wastewater discharge permit, other control mechanism or as required by SOCWA.

809. RIGHT OF ENTRY

SOCWA shall have the right to enter the premises of any user to determine whether the user is complying with the requirements of this ordinance and any individual wastewater discharge permit, other control mechanism or order issued hereunder. Users shall allow SOCWA ready access to all parts of the premises for the purpose of inspection, sampling, records examination and copying, and the performance of any other duties.

810. ANALYTICAL REQUIREMENTS

All pollutant analyses, including sampling techniques, to be submitted as part of a wastewater discharge permit application or report shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto, unless otherwise specified in an applicable categorical pretreatment standard. If 40 CFR 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed by using validated analytical methods or any other applicable sampling and analytical procedures, including procedures suggested by SOCWA or other parties approved by the EPA.

811. SAMPLE COLLECTION

A. Samples collected by the user to satisfy reporting requirements contained in this ordinance, their wastewater discharge permit or other control mechanism shall be based on data obtained through appropriate sampling and analysis performed during the period covered by the report, based on data that is representative of conditions occurring during the reporting period.

B. Except as indicated in Section 811.C. and 811.D. below, the user shall collect wastewater samples using 24-hour flow-proportional composite sampling techniques, unless time-proportional composite sampling of grab sampling is authorized by SOCWA. Where time-proportional composite sampling or grab sampling is authorized by SOCWA, the samples shall be representative of the discharge. Using protocols specified in 40 CFR 136 and appropriate EPA guidance, multiple grab samples collected during a 24-hour period may be composited prior to the analysis as follows: for cyanide, total phenols and sulfides the samples may be composited in the laboratory or in the field; for volatile organics and oil and grease, the samples may be composited in the laboratory. Composite samples for other parameters unaffected by the compositing procedures as documented in approved EPA methodologies may be authorized by SOCWA, as appropriate. In addition, grab samples may be required at any time to show compliance with instantaneous discharge limits.

C. Samples for analysis of oil and grease, temperature, pH, cyanide, total phenols, sulfides, and volatile organic compounds shall be obtained using grab sample collection techniques.

D. For sampling required in support of baseline monitoring and 90-day compliance reports required by this ordinance and 40 CFR 403.12(b) and (d), a minimum of four (4) grab samples shall be used for pH, cyanide, total phenols, oil and grease, sulfide and volatile organic compounds for users for which historical sampling data do not exist; for users for which historical sampling data are available, SOCWA may authorize a lower minimum. For reports required by this ordinance and 40 CFR 403.12(e) and (h), the user shall collect the number of grab samples necessary to assess and assure compliance with applicable pretreatment standards and requirements.

812. TIMING

Reports shall be deemed to have been submitted on the date postmarked. For reports that are not mailed or delivered with postage prepaid the date of receipt of the report shall govern.

813. NOTIFICATION OF CHANGED DISCHARGE

All users that have been issued a wastewater discharge permit shall notify SOCWA in advance of any substantial change in the volume or character of pollutants in their discharge as listed in 40 CFR 403.12(j)

814. NOTIFICATION OF THE DISCHARGE OF HAZARDOUS WASTE (40 CFR 403.12(p)(1)

A. The industrial user shall notify SOCWA, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into sewerage facilities of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than one hundred (100) kilograms of such waste per calendar month to sewerage facilities, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve (12) months. All notifications must take place no later than one hundred and eighty (180) days after a discharge to sewerage facilities commences. Any notification under this section need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under Section 813 of this ordinance and as listed in 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of Sections 805, 807 and 808 of this ordinance and as listed in 40 CFR 403.12(b), (d), and (e).

B. Dischargers are exempt from the requirements of Section 814. A., above, during a calendar month in which they discharge no more than fifteen (15) kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e). Discharge of more than fifteen (15) kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification. Subsequent months during which the industrial user discharges more than such quantities of any hazardous waste do not require additional notification.

C. In the case of any new regulations under Section 3001 of Resource Conservation and Recovery Act (RCRA) identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the industrial user must notify SOCWA, the EPA Regional Waste Management Waste Division Director, and State hazardous waste authorities of the discharge of such substance within ninety (90) days of the effective date of such regulations.

D. In the case of any notification made under this section, the industrial user shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.

E. This section does not create a right to discharge any substance, including any hazardous waste, not otherwise permitted to be discharged by this ordinance, a permit issued thereunder, or any applicable federal or State law. Terms in other sections of this ordinance prohibiting or otherwise limiting or applying to the discharge of industrial waste shall control in the event of inconsistency with the terms of this Section 814.

ARTICLE 9
ENFORCEMENT

901. ENFORCEMENT SCOPE

A. SOCWA finds that in order for it to comply with the laws, regulations, and rules imposed upon it by regulatory agencies and to ensure that sewerage facilities and treatment processes are protected and are able to operate with the highest efficiency, specific enforcement provisions must be adopted to regulate discharges from industrial users.

B. SOCWA is willing to cooperate with all users on improvements in wastewater quality, yet must be in a position to ensure that uncooperative users shall comply with this ordinance and any conditions set forth in a wastewater discharge permit.

C. SOCWA intends to ensure that all interested parties are afforded due process of law and that any noncompliance or violation is resolved as soon as possible. Enforcement shall be guided by the ERP, adopted by SOCWA as Resolution No. 2009-02.

D. All users have a right of appeal pursuant to the procedures set forth in this ordinance.

E. Each non-compliance or violation per day and each day of noncompliance or violation shall be taken as a separate noncompliance or violation for determining the amount of fees, charges, fines or penalties and/or which enforcement actions may be taken. A violation of a weekly average is considered seven (7) days of violation for that parameter and a violation of a monthly average is based upon the number of days in that month. A violation of multiple parameters caused by a single operational upset is considered one violation.

F. The issuance or exercise of any type of an enforcement action provided for under this ordinance shall not be a bar against, or a prerequisite for, taking any other or additional enforcement action against a user under this ordinance or any other local, State or federal law. The remedies provided for in this ordinance are not exclusive and SOCWA is empowered to take more then one enforcement action against any noncompliant user.

902. NOTICE OF NONCOMPLIANCE (NON)

A. In the event that it is determined that a user is in noncompliance with any provision of this ordinance, or the terms, conditions and limitations of its wastewater discharge permit, SOCWA may issue a NON form, whereby the user shall comply with all directives, conditions and requirements therein within the time prescribed.

B. The issuance of a NON form may contain terms and conditions including, but not limited to, installation of pretreatment equipment, sampling structures, submittal of drawings or technical reports, payment of fees or administrative fines, limits on rate and time of discharge or any other provisions to ensure compliance with this ordinance and the user's wastewater discharge permit. This action is not a prerequisite to taking other or more severe enforcement actions.

903. NOTICE OF VIOLATION (NOV)

A. In the event that it is determined that a user has not responded to a NON form that was previously issued to them or that noncompliance of any pretreatment standards requires their immediate attention, SOCWA may issue a NOV form, whereby the user shall comply with all directives, conditions and requirements therein within the time prescribed.

B. The issuance of a NOV form may contain terms and conditions including, but not limited to, installation of pretreatment equipment, sampling structures, submittal of drawings, technical reports, payment of fees, administrative fines, limits on rate and time of discharge or any other provisions to ensure compliance with this ordinance. This action is not a prerequisite to taking other or more severe enforcement actions.

904. ADMINISTRATIVE ORDER (AO)

A. The AO is an enforcement document from SOCWA directing the noncompliant user to undertake or to cease specific activities required to bring the user into compliance with this ordinance or the terms, conditions and limitation of a wastewater discharge permit as determined by SOCWA. The terms and conditions of the AO are not negotiable by the user. The circumstances of a user's noncompliance may dictate which theme the administrative order takes to achieve the earliest possible return to compliance by the user. AOs may include administrative complaints. Types of AOs may include, but are not limited to, the following:

1. Probation Order (PO).

    a. The PO directs the noncompliant user to achieve compliance by a date specified in the order. The PO is usually issued when a user is in non-compliance of this ordinance, or the terms, conditions and limitations of its wastewater discharge permit or other enforcement action, or has not made payment of all amounts owed to SOCWA which include, but are not limited to, any fees, charges, fines and/or penalties. This action is not a prerequisite to taking other or more severe enforcement actions.

2. Show Cause Order (SCO).

    a. The SCO directs the noncompliant user to appear at a formal meeting, usually at a SOCWA location, to explain its noncompliance, and to show cause why more severe enforcement actions against the user should not go forward. This action is not a prerequisite to taking other or more severe enforcement actions.

3. Cease and Desist Order (CDO).

    a. The CDO directs the noncompliant user to cease illegal or unauthorized discharges immediately, or to terminate its discharge altogether. A CDO may be issued in situations where a particular discharge could cause interference or pass through, or threaten human safety or the environment. The CDO may be issued immediately upon discovery of the problem. In an emergency, a CDO may be issued by any means; however, such an order should be followed by a written CDO to the user. If necessary, SOCWA may order immediate cessation of any discharge to a sewerage facility, regardless of the user's compliance status. If a user fails to comply with the CDO, SOCWA may take any independent action to halt the discharge. This action is not a prerequisite to taking other or more severe enforcement actions.

905. WASTEWATER DISCHARGE PERMIT SUSPENSION OR REVOCATION

A. Grounds.

1. SOCWA may suspend or revoke any wastewater discharge permit, but is not limited to the following, when it is determined that a user:

    a. Violated an administrative order.

    b. Provided a false statement, representation, record, report or other document to SOCWA.

    c. Refused to provide records, reports, plans or other documents required to determine wastewater discharge permit terms, conditions, or limitations, discharge compliance, or compliance with this ordinance.

    d. Discharged effluent that causes pass-through or interference with sewerage facilities.

    e. Falsified, tampered with, or knowingly rendered inaccurate any monitoring device or sample collection method.

    f. Discharged effluent that endangers human health or the environment.

    g. Failed to report significant changes in operations or wastewater constituents and characteristics.

    h. Failed to comply with the terms and conditions of any enforcement action.

905. WASTEWATER DISCHARGE PERMIT SUSPENSION OR REVOCATION (cont)

i. Refused reasonable access to the user's premises for the purpose of inspection and monitoring.

j. Failed to make timely payment of any fees, charges, fines or penalties all owed to SOCWA.

k. Violated any conditions or limitations of its wastewater discharge permit or any provision of this ordinance.

l. Discharged batch dumps to sewerage facilities not authorized or permitted by SOCWA.

B. Notice of Wastewater Discharge Permit Suspension/Revocation.

1. When SOCWA has reason to believe that grounds exist for suspension/revocation of a wastewater discharge permit, written notice shall be given by certified mail to the user setting forth a statement of facts and grounds deemed to exist together with a description of the time and place where the charge shall be heard by the General Manager. The hearing date shall not be less than fifteen (15) days nor more than sixty (60) days after the mailing of such notice.

C. Hearing on Wastewater Discharge Permit Suspension/Revocation.

1. At the wastewater discharge permit suspension/revocation hearing, the user shall have an opportunity to respond to the allegations set forth in the notice. The hearing shall be conducted in accordance with procedures established by the General Manager and approved by SOCWA's General Counsel.

2. After the hearing, the General Manager's designee shall submit a written report to the General Manager setting forth a brief statement of facts found to be true, a determination of the issues presented, conclusions, and a recommendation.

3. Upon receipt of the written report, the General Manager shall make his determination. Should he find that the grounds exist for suspension/revocation of the wastewater discharge permit, he shall issue his decision and order, in writing within thirty (30) days after the hearing by his designee. A copy of the written decision shall be sent by personal delivery or certified mail to the user.

D. Effect of Wastewater Discharge Permit Suspension.

1. Upon the issuance of an order of a wastewater discharge permit suspension by the General Manager, the user shall have no right to discharge any industrial wastewater, directly or indirectly to sewerage facilities for the duration of the suspension. All costs for physically terminating and reinstating service shall be paid by the user.

2. An order of wastewater discharge permit suspension issued by the General Manager shall be deemed final upon delivery to the user, unless appealed to the Board as specified in Section 913 of this ordinance.

E. Effect of Wastewater Discharge Permit Revocation.

1. On the effective date of a wastewater discharge permit revocation being final, the user shall permanently lose all rights to discharge any industrial wastewater directly or indirectly to sewerage facilities. All costs for physical termination shall be paid by the user.

2. Each owner and employee of the user shall be bound by the order of wastewater discharge permit revocation.

3. Any future application from any user subject to an order of wastewater discharge permit revocation will only be considered by SOCWA after fully reviewing the records of revocation. Such records may be the basis for denial of a new wastewater discharge permit.

4. An order of permit revocation issued by the General Manager shall be deemed final upon delivery to the user, unless appealed to the Board as specified in Section 913 of this ordinance.

906. TERMINATION OF SERVICE

SOCWA or a MA may physically terminate water or sewer service to any user that violates or continues to violate the provisions of this ordinance, a term of any order of suspension or revocation, a wastewater discharge permit or other control mechanism. All costs for physical termination shall be paid for by the user as well as all costs for reinstating services. Service may commence only after the user has satisfactorily demonstrated its ability to comply.

907. EMERGENCY SUSPENSION

A. SOCWA may suspend sewer service when such suspension is necessary, in order to stop an actual or impending discharge which presents or may present an imminent or substantial endangerment to the health and welfare of persons, to the environment, cause interference to sewerage facilities, or cause SOCWA to violate any State or federal law or regulation.

B. An emergency suspension order is final and has no right of appeal.

908. INJUNCTION

Whenever a discharge of wastewater is in violation of the provisions of this ordinance, SOCWA may petition the superior court for the issuance of a preliminary or permanent injunction, or both, as may be appropriate to restrain the continuance of such discharge.

909. CIVIL FINES AND PENALTIES

A. Authority.

1. All users of sewerage facilities are subject to administrative or judicial enforcement actions by SOCWA, EPA, State Regional Water Quality Control Board or the District Attorney of Orange County. Actions may be taken pursuant to the authority and provisions of several laws, including but not limited to:

    a. Federal Water Pollution Control Act (Clean Water Act).

    b. California Porter-Cologne Water Quality Act (California Water Code).

    c. California Hazardous Waste Control Law.

    d. Resource Conservation and Recovery Act (RCRA).

B. Recovery of Fines or Penalties.

1. Payment of fines or penalties by SOCWA due to enforcement actions of other regulatory agencies based upon a violation by SOCWA whose cause can be established as the discharge of any user which is in violation of any provisions of this ordinance or a wastewater discharge permit shall entitle SOCWA to recover from the user all cost and expenses, including, but not limited to the full amount of fines and penalties which SOCWA has been subjected to.

2. Each violation shall constitute a new and separate violation and shall be subject to the fines and penalties contained herein.

C. Civil Liability.

1. Pursuant to the authority of California Government Code Sections 54739-54740, any user, permittee, discharger or other person who violates any provision of this ordinance, any wastewater discharge permit condition, prohibition or effluent limitation, or any order, compliance schedule, suspension of revocation shall be civilly liable for a sum not to exceed twenty-five thousand dollars ($25,000) per violation for each day in which such violations occurs.

909. CIVIL FINES AND PENALTIES (cont)

2. Pursuant to the authority of Act. 33 U.S.C. Section 1251 St seq., any user, permittee, discharger or other person who violates any provision of this ordinance, any wastewater discharge permit condition, prohibition or effluent limitation, or any order, compliance schedule, wastewater discharge permit suspension or revocation shall be civilly liable for a sum not to exceed twenty-five thousand dollars ($25,000) per violation for each day in which such violation occurs.

3. SOCWA may petition the superior court to impose, assess and recover penalties or other such penalties as SOCWA may impose, assess and recover pursuant to federal and/or State legislative authorization.

4. Notwithstanding any other provisions of law, all civil penalties imposed by the court for a violation of this ordinance shall be distributed to the MA in which the violation(s) occurred.

5. Remedies under this section are in addition to and do not supersede or limit any and all other remedies, civil or criminal, but no liability shall be recovered under this section for any violation for which liability is recovered under Section 909.D. of this ordinance.

D. Administrative Complaint.

1. Pursuant to the authority of California Government Code Sections 54740.5 and 54740.6, SOCWA may issue an administrative complaint to any user, permittee, discharger or other person who violates any provision of this ordinance, any wastewater discharge permit condition, prohibition or effluent limitation, or any administrative, suspension or revocation order, or other control mechanism.

2. The administrative complaint shall be served by personal delivery or certified mail on such person and shall inform the person that a hearing shall be conducted, within sixty (60) days following service. The administrative complaint will allege the act or failure to act that constitutes the violation(s) and set forth the provisions of law authorizing the civil liability to be imposed and the proposed civil penalty. The matter shall be heard by the General Manager or his designee. The person to whom an administrative complaint has been issued may waive the right to a hearing, in which case a hearing shall not be conducted.

3. At the hearing, the person shall have an opportunity to respond to the allegations set forth in the administrative complaint by presenting written or oral evidence. The hearing shall be conducted in accordance with the procedures established by the General Manager and approved by SOCWA's General Counsel.

4. After the conclusion of the hearing, the General Manager's designee shall submit a written report to the General Manager setting forth a brief statement of the facts found to be true, a determination of the issues presented, conclusions and a recommendation. Upon receipt of the written report, the General Manager shall make his determination and should he find that grounds exist for assessment of a civil penalty, he shall issue his decision and order in writing within thirty (30) calendar days after the conclusions of the hearing. If not appealed, the order shall be final thirty-one (31) days after it is served on the person.

5. A person dissatisfied with the decision of the General Manager may appeal to the Board pursuant to Section 913 of this ordinance within thirty (30) days of notice of the General Manager's decision.

6. If, after the hearing or appeal, if any, it is found that the person has violated reporting or discharge requirements or other provisions of ~~the~~ this ordinance, the General Manager or Board may assess a civil penalty against that person.

7. In the determination of the amount of the civil penalty, all relevant circumstances may be taken into consideration, including, but not limited to, the extent of harm caused by the violation, the economic benefit derived through any non-compliance, the nature and persistence of the violations, the length of time over which the violation occurs and the corrective action(s), if any, attempted or taken by the person.

909. CIVIL FINES AND PENALTIES (cont)

8. Civil penalties may be assessed as follows:

   a. In an amount which shall not exceed two thousand dollars ($2,000) for each day for failing or refusing to furnish technical or monitoring reports.

   b. In an amount which shall not exceed three thousand ($3,000) for each day for failing or refusing to timely comply with any compliance schedule

   c. In an amount which shall not exceed five thousand dollars ($5,000) per violation for each day for discharges in violation of any waste discharge limitation, wastewater discharge permit condition, other control mechanism or requirement issued, reissued or adopted by SOCWA.

   d. In an amount which does not exceed ten dollars ($10) per gallon for discharges in violation of any suspensions, cease and desist order or other orders, or prohibition issued, reissued or adopted by SOCWA.

9. Payment of civil penalties shall be due within thirty (30) days of the date of the order assessing the penalties becomes final. The amount of any administrative civil penalties imposed which have remained delinquent for a period of sixty (60) days from the date they are due shall constitute a lien against the real property of the discharger from which the discharge resulting in the imposition of the penalty originated. The lien shall have no force and effect until recorded with the county recorder and when recorded shall have the force and effect and priority of a judgment lien and continue for ten (10) years and be renewable in accordance with law.

10. Copies of the administrative order shall be served by personal service or by registered mail upon the party served with the administrative complaint and upon other persons who appeared at the hearing and requested a copy of the order.

11. Any party aggrieved by a final order issued by the Board after granting review of the order of the General Manager may obtain review of the order of the Board in the Superior Court, by filing in the court a petition for writ of mandate within thirty (30) days following the service of a copy of the decision and order issued by the Board.

12. Any party aggrieved by a final order issued by the General Manager for which the Board denies review, may obtain review of the order of the General Manager in the Superior Court, by filing in the court a petition for writ of mandate within thirty (30) days following service of a copy of a decision and order denying review by the Board.

13. No administrative civil penalties shall be recoverable under this section for any violation for which civil liability is recovered under Section 909.C. of this ordinance.

910. CRIMINAL PENALTIES

A. Any person who violates any provision of this ordinance is guilty of a misdemeanor, which upon conviction is punishable by a fine not to exceed one thousand dollars ($1,000) or imprisonment for not more than thirty (30) days or both.

B. Each violation shall constitute a new and separate violation and shall be subject to the penalties contained herein.

911. PUBLIC NUISANCE

A. Discharge of wastewater in a manner that is in noncompliance or violation of this ordinance or of any order issued by SOCWA, in accordance with this ordinance, shall hereby be declared a public nuisance and shall be corrected or abated as directed by SOCWA.

B. Any person creating a public nuisance is guilty of a misdemeanor and is subject to the criminal penalties identified in Section 910 of this ordinance.

912. APPEALS TO THE GENERAL MANAGER

A. General.

1. Any user affected by a decision, action or determination made by SOCWA staff may file with the General Manager a written request for an appeal hearing.

2. Request must be made within fifteen (15) days of the mailing of the original SOCWA staff decision, action or determination.

3. Request for hearing shall set forth details of all facts supporting the appellant's request for hearing.

B. Notice.

1. The General Manager shall, within fifteen (15) days of receiving the request for appeal provide written notice to the user of the hearing date, time, and place.

2. The hearing time shall not be more than thirty (30) days from the mailing of such notice by certified mail to the appellant unless a later date is agreed to by the appellant.

3. If the hearing is not held within the time set due to actions of the appellant, then SOCWA's decision shall be deemed final.

C. Hearing.

1. The appellate shall have the opportunity to present information supporting its position concerning SOCWA's original decision, action or determination.

2. The hearing shall be conducted in accordance with procedures established by the General Manager and approved by SOCWA's General Counsel.

D. Written Determination.

1. After the hearing the General Manager shall make a determination whether to uphold, modify or reverse original decision, action or determination as issued by SOCWA staff.

2. This decision shall be put into writing within a brief statement of facts found to be true, the determination of the issues presented, and the findings.

3. The final determination of the General Manager upon his approval shall be executed as the order.

4. A copy shall be mailed or delivered to the appellant.

5. The order of the General Manager shall be final in all respects fifteen (15) days after it is mailed to the appellant, unless appealed under Section 913 of this ordinance.

E. Wastewater Discharge Permit Suspension/Revocation Appeals.

1. Appeals regarding wastewater discharge permit suspension or revocation are covered under Section 905 and Section 913 as specified in this ordinance.

913. APPEALS TO THE BOARD

A. General.

1. The user may, within thirty (30) days after the date of notification of the General Manager's order upholding SOCWA's determination, file a written appeal to the Board.

2. A fee of one hundred dollars ($100) shall accompany the written appeal that shall be refunded if the Board reverses or modifies the order of the General Manager.

3. A request for appeal to the Board shall set forth details of the past record and that new arguments cannot be raised on appeal to the Board that could have been, but were not, raised in the prior appeal to the General Manager.

4. Pending the hearing on appeal, the user shall not be entitled to discharge into sewerage facilities beyond the effective date of the original order determined by the General Manager, unless it has been determined by the General Manager that the user is pursuing good faith arguments and approves such discharge.

B. Notice.

1. The Board Secretary, within fifteen (15) days of receiving the request for appeal, will provide written notice to the user of the hearing date, time and place.

2. The hearing date shall not be more than forty-five (45) days from the mailing of such notice by certified mail to the appellate unless a later date is agreed to by the appellant.

3. If the hearing is not held within the time set due to action of the appellant, the General Manager's decision shall be deemed final.

C. Hearing.

1. The appellant shall have the opportunity to present information supporting its position concerning the General Manager's determination.

2. The hearing shall be conducted in accordance with procedures established by the Board and approved by SOCWA's General Counsel.

D. Written Determination.

1. After the hearing, the Board shall make a determination whether to uphold, modify or reverse the original decision, action or determination as ordered by the General Manager.

2. The decision of the Board shall be reduced to writing within thirty (30) days after the hearing.

3. It shall contain a brief statement of facts found to be true, the determination of the issues presented, and the findings. The decision shall be submitted to the appellant.

4. The order of the Board shall be final upon its adoption.

914. JUDICIAL REVIEW

A. Purpose and Effect.

1. Pursuant to Section 1094.6 of the California Code of Civil Procedure, the time in which a user may bring an administrative mandamus action shall be limited to ninety (90) days following the final decision in the adjudicative administrative hearing in question.

B. Time Limit for Judicial Review.

1. Judicial review of any decision of the SOCWA Board may be made pursuant to Section 1094.5 of the California Code of Civil Procedure only if the petition for writ of mandate is filed no later than ninety (90) days following the date on which any decision becomes final.

C. Preparation of Records.

1. The complete record of the proceedings shall be prepared by SOCWA and shall be delivered or mailed to the petitioner within one hundred-ninety (190) days after they have filed a written request.

2. SOCWA shall recover from the petitioner its actual costs for preparing and transcribing the record.

D. Extension.

1. If the petitioner files a request for the record within ten (10) days after the date the decision becomes final, the time within which a petition may be filed, pursuant to Section 1094.5 of the California Code of Civil Procedure, shall be extended to no later than thirty (30) days following the date on which the record is delivered or mailed, by SOCWA, to the petitioner or the petitioner's attorney of record, if appropriate.

E. Notice.

1. In making a final decision, SOCWA shall provide notice to the user whose wastewater discharge permit has been denied, suspended or revoked, that the time in which judicial review must be sought is governed by Section 1094.6 of the California Code of Civil Procedure.

F. This section does not apply to action taken under Section 909 of this ordinance.

915. PAYMENT AND COLLECTION OF FEES AND CHARGES

A. Except as otherwise provided all fees and charges are due and payable upon receipt of an invoice or notice thereof. All such amounts are delinquent if unpaid forty-five (45) days after date of invoice or notice.

B. Any invoice or notice that becomes delinquent may have added to it an assessment in accordance with the following:

1. Forty-six (46) days after the date of invoice or notice, an assessment of ten percent (10%) of the base amount, not to exceed a maximum of $1,000.

2. Ninety (90) days after the date of invoice or notice, a total of twenty-five percent (25%) of the base amount, not to exceed a maximum of $2,500.

C. Any invoice or notice that is outstanding and unpaid after ninety (90) days may be cause for immediate initiation of wastewater discharge permit revocation proceedings or immediate wastewater discharge permit suspension.

D. Delinquent assessments under this section may not accrue to those invoices or notices successfully appealed, provided SOCWA received written notice of appeal prior to the payment due date.

E. Payment of disputed fees and charges are still required by the due date during review of any appeal submitted by the user.

F. This section does not apply to Section 909 of this ordinance.

916. RECOVERY OF ENFORCEMENT COSTS

In the event a user fails to comply with any of the terms and conditions of this ordinance, wastewater discharge permit, administrative order, wastewater discharge permit suspension or revocation, other control mechanism or any other enforcement action, SOCWA shall be entitled to reasonable attorney's fees and costs which may be incurred during enforcement of any terms and conditions with or without filing proceedings in court.

917. FINANCIAL SECURITY CONDITIONS

A. Compliance Deposit.

1. Users that have been subject to enforcement actions and/or fees, charges, penalties or fines may be required to deposit with SOCWA an amount determined by the General Manager as necessary to guarantee payment of all charges, fees, costs and expenses that may be incurred in the future.

2. A compliance deposit shall be received by SOCWA before SOCWA either issues a wastewater discharge permit, other control mechanism or grants the user permission for further discharge to sewerage facilities.

B. Delinquent Accounts.

1. Any user who fails to make payment in full of all fees, and charges, penalties or fines assessed by SOCWA including reconciliation amounts, delinquency fees, and other costs, may be required to obtain the issuance of an amendment to their wastewater discharge permit.

C. Bankruptcy.

1. Any user filing any legal action in any court of competent jurisdiction, including the United States Bankruptcy Court, for purposes of discharging its financial debts or obligations or seeking court-ordered protection from its creditors, shall within ten (10) days of filing such action, apply for and obtain the issuance of an amendment to its wastewater discharge permit by SOCWA.

D. Wastewater Discharge Permit Amendments.

1. An amendment issued to the user's wastewater discharge permit shall be in accordance with the provision of this ordinance.

E. Security Deposit.

1. An amendment to a wastewater discharge permit issued in accordance with this ordinance may be conditional upon the user depositing financial security in an amount equal to the total fees and charges from the preceding year.

2. Such a deposit shall be used to guarantee payment of all fees and charges incurred for future services and sewerage facilities provided by SOCWA and shall not be used by SOCWA to recover outstanding fees and charges incurred prior to the user filing and receiving protection from creditors in the United States Bankruptcy Court.

F. Return of Security Deposit.

1. If the user makes full payment in time of all fees and charges incurred over a period of two (2) years following the issuance of an amendment to the user's wastewater discharge permit prescribed by this ordinance, the user's security deposit shall be returned or credited to the user's account.

918. REPORT OF ANALYSIS

All collected data from inspection and monitoring sampling events conducted by SOCWA may be reported to the user. This data, if given to the user, shall be kept by the user and SOCWA and made available during inspections by SOCWA or any other regulatory agency.

919. DAMAGE TO FACILITIES OR INTERRUPTION OF NORMAL OPERATIONS

A. When a discharger of wastes causes an obstruction, interference, damage, or other impairment to sewerage facilities or to the operation of sewerage facilities, SOCWA may assess the costs against the user for the work required to clean, replace or repair the sewerage facility together with expenses incurred to resume normal operations. This shall also be grounds for wastewater discharge permit revocation. A service charge of twenty-five percent (25%) of costs shall be added to the costs and charges to cover SOCWA's overhead, including administrative personnel and record keeping. The total amount shall be payable within forty-five (45) days of invoicing by SOCWA.

B. If it can be shown that the discharge of any user is the cause of SOCWA violating its NPDES permit or pretreatment requirements established by any regulatory agency or incurring additional expenses or suffering losses or damage to sewerage facilities, then that user shall be responsible for any costs, expenses, or assessments incurred by SOCWA, whether made by other regulatory agencies or as determined by court action.

C. Where two or more dischargers cause a single and indivisible harm to sewerage facilities, each is jointly and severally liable for the damages. The burden of proof is on the users to demonstrate that the harm is divisible.

920. INDUSTRIAL WASTE PASS THROUGH

A. If an industrial waste discharge results in a "pass through" event in sewerage facilities, all costs associated with the event, including but not limited to treatment costs, fines, regulatory fines, and other indirect costs may be charged against the user.

B. The user shall submit plans, which prevent future recurrences to the satisfaction of SOCWA.

C. A second occurrence shall be grounds for WD Permit revocation without the right of appeal.

921. BATCH DUMPS

A. When SOCWA determines that a user has discharged concentrated noncompatible wastes into sewerage facilities in a manner or method that is not approved by SOCWA, any enforcement action may be taken as set forth in this ordinance.

B. The user shall be subject to WD Permit suspension or revocation in accordance with this ordinance as well as any other legal enforcement penalties or remedies available to SOCWA.

922. PUBLICATION OF USERS IN SIGNIFICANT NONCOMPLIANCE (SNC)

A. To comply with the requirements 40 CFR 403, SOCWA shall annually publish a list of industrial users that are in SNC of federal pretreatment standards.

B. Publication of this SNC notice shall be in a newspaper of general circulation that provides meaningful public notice within the SOCWA service area.

C. The determination of SNC is based upon the definition set forth in Section 202.B.87. of this ordinance.

ARTICLE 10
FEES AND CHARGES

1001. APPLICATION FEES

A. All application fees shall be in an amount as established by SOCWA.

B. Payment of any application fees must be received before the issuance of a new or renewal of a wastewater discharge permit.

C. User shall pay any delinquent invoices in full, prior to the wastewater discharge permit renewal.

1002. ANNUAL WASTEWATER DISCHARGE PERMIT FEES

A. Annual wastewater discharge permit fees shall be in an amount as established by SOCWA.

B. Annual wastewater discharge permit fees shall be due on or before the date set by SOCWA.

1003. INSPECTION, MONITORING AND SAMPLING CHARGES

Any and all costs incurred by SOCWA to inspect, monitor and sample a user for the purpose of assuring compliance with this ordinance, the user's wastewater discharge permit, other control mechanism or other regulations, shall be paid for by the user only upon receipt of an invoice or bill from SOCWA or a MA.

1004. DELINQUENCY FEES

A. Any fees that becomes delinquent may have added to it an amount as set forth in Section 915 of this ordinance.

B. Any delinquent fees and all assessments including court costs and legal fees thereon may be collected by a court action filed in the name of SOCWA.

1005. ADDITIONAL FEES AND CHARGES

A. The user will be required to pay all applicable additional fees and charges that are established by SOCWA only upon receipt of an invoice or bill.

B. Any wastewater discharge permit issued for a location where the user is not the property owner, may be conditioned upon depositing financial security to guarantee payment of all additional fees and charges to be incurred, in accordance with the provisions of Section 917 of this ordinance.

1006. RECORDING OF FEES AND CHARGES

A. SOCWA may keep a permanent record and account of all fees and charges received under this ordinance.

B. Record information shall include, but is not limited to:

1. Name and address of user.

2. Date and amount of fee or charge.

3. Purpose for which fees or charges were paid.

C. All fees and charges collected by SOCWA under this ordinance shall be distributed to the MA in which the fees and charges were collected.

ARTICLE 11
SEVERABILITY

1101. SEVERABILITY

A. If any provisions of this ordinance or the application thereof to any users or circumstances are held invalid, unenforceable, or unconstitutional by any court of competent jurisdiction, the remainder of this ordinance or the application of such provision to other users or other circumstances shall not be affected.

B. If any section, subsection, clause or phrase of this ordinance is for any reason held to be invalid, unenforceable or unconstitutional by any court of competent jurisdiction, such decision shall not affect the remaining portions of this ordinance. The Board declares that they would have passed said ordinance by section, subsection, sentence, clause or phrase thereof.

ARTICLE 12
REPEAL

1201. REPEAL

A. All SOCWA ordinances or parts of ordinances inconsistent with this ordinance are hereby repealed to the extent that they are inconsistent with the provisions of this ordinance.

B. SOCWA ORDINANCE 2009-1 is hereby repealed.

ARTICLE 13
EFFECTIVE DATE

1301. EFFECTIVE DATE

This ordinance shall become effective thirty (30) days after adoption.

The 2015 Pretreatment Ordinance was passed and adopted at a regular meeting of the Board of Directors of South Orange County Wastewater Authority held on the 2nd day of April, 2015, by the following vote:

For:

Against:

Abstain:

Absent:

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

By: _____
Chairman

By: _____
Secretary

Agenda Item 8c

Board of Directors Meeting
Meeting Date: August 6, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

SUBJECT: General Manager's Status Report

GENERAL

JPA Revisions

SOCWA Counsel has been working with member agency counsels to consider potential revisions to the SOCWA JPA Agreement. Greg Moser will provide an update to the Board on the process at the Board Meeting. The General Managers will hear a report on the work at the August 11, 2020 teleconference meeting. At the teleconference meeting two reports are expected to be provided by member agency Managers. MNWD will provide a report on wastewater treatment alternatives and SMWD has been coordinating with IRWD to provide a report on options for agency contracting for services with SOCWA as an alternative to participating as a member agency.

FY 2019-20 Annual Financial Statements Audit

- Planning - completed in May 2020
- Interim Work - Work began July 20th and a preliminary exit interview is expected week of August 3rd
- Final Field Work – Scheduled for September
- All work at this time has been completed remotely by The PUN Group with electronic submittals by Staff
- Work is underway with the goal of completing the CAFR in late November 2020

Preliminary June 30, 2020 Budget vs. Actuals

Staff will be providing preliminary reports to the Finance Committee at the August 24, 2020 meeting.

Legal Services Cost Increase

The Procopio Law Firm has provided SOCWA with a notice of rate changes for its Attorney Fees for the coming year. Pursuant to the Procopio Retainer Agreement, Attorney Fees were guaranteed for the first-year period of service. The fee increases are an additional $10 per service provider rate. The notice letter is attached hereto.

ENVIRONMENT COMPLIANCE

Environmental Laboratory Accreditation Program (ELAP)

The State Water Resources Control Board (SWRCB) adopted the regulatory package which includes the Nelac Institute Standard (TNI) minus two standards into the Title 22 Regulations governing laboratory accreditation in California for May 5, 2020. This represents a change in requirements for an incorporation of a quality management system on top of adherence to federal promulgated rules governing methodologies that laboratories use for compliance purposes in California. SOCWA and industry representatives provided an alternative management system for California which streamlined many of the redundant requirements in the TNI system for use in California. This standard was rejected without merit despite industry group support for the standard. California laboratories will be required to incorporate the requirements of the TNI standard by 2023 if the Office of Administrative Law (OAL) accepts the regulatory package that ELAP is working on submitting to the OAL. In step with this regulatory package, on July 21, 2020 the SWRCB held a fee workshop which will increase fees considerably for California accredited laboratories in step with this regulation which the SWRCB also adopted.

The Coalition of Accredited Laboratories (CAL), which is a newly formed industry group made up of public and commercial laboratories and lead by David Kimbrough of the City of Pasadena, is opposing the regulation and filling a lawsuit to stop the adoption prior to codification in Title 22. The main tenets of the proposed lawsuit are based on the government edicts doctrine and the Administrative Procedures Act (APA), section 11349. The government edicts doctrine governs the way in which laws can be accessed by the public. In this case, the public (laboratories) have to purchase the TNI document for each analyst in their laboratory. The Supreme Court recently ruled in the government's edict doctrine in Georgia vs. Public.Resources.org. Justice Roberts wrote for the majority stating: "*The animating principle behind the government edicts doctrine is that no one can own the law."* CAL is basing part of their litigation on this recent decision. The other facet of the litigation are the six standards in the APA which govern the regulatory rules. Those six standards are: Necessity, Authority, Clarity, Consistency, Reference, and Non-duplication. The APA also states that the regulations must be cost effective. SOCWA submitted over 900 pages of documents into the administrative record related to the regulations having no necessity claim. SOCWA staff reviewed the audit findings of 20% of the laboratory audits conducted in California and found that ELAP had the regulatory power currently in Title 22 for specific oversight that they claimed only TNI could provide. In addition, of the audits that contained laboratories who are accredited under TNI, those laboratories could not keep up with the arduous standard. CAL is seeking participants in the lawsuit to challenge the SWRCB on this issue and specifically asked for $5,000 as a contribution for these efforts from SOCWA. Staff supports this request and the General Manager has agreed to provide funding from the current legal budget for this effort.

COVID 19 Update

Staff is tracking the science related to wastewater based epidemiology research, and clinical testing developments, and related webinar and video lectures. SOCWA is engaged with a graduate student at the University of California, Los Angeles (UCLA) to analyze biobanked samples taken on April 13, 2020 and May 13, 2020 at the three SOCWA facilities. A sample was also provided from the May 15, 2020 collection of offshore samples to assess if the assays are able to pick up an RNA signal at the effluent from the outfalls. The UCLA student also took samples on July 13, 2020 and July 20, 2020. SOCWA is also saving samples on a monthly basis from all three treatment facilities should the UCLA study expand. The UCLA study uses the SARS-COV2 Curative Assay for analysis which was authorized through the Food and Drug Administration's Emergency Use Authorization protocol indicating that the assay follows an approved protocol.

Staff is also following developments related to the development of a commercial kit which can be used to analyze RNA in primary effluent for SARS-COV-2. The quality control and assay inhibition components are being reviewed for possible incorporation into analysis at the SOCWA laboratory. SOCWA is also working with other wastewater laboratories in the State to assess the methods currently available as an option for testing at a local level.

2018 Recycled Water Policy – Volumetric Reporting

The 2018 Recycled Water Policy required reporting of monthly volumetric flow totals for influent, effluent and recycled water flows. SOCWA staff reported the volumes for PC12 member agencies that were due on June 30, 2020.

2020 SNMP Monitoring Report

SOCWA reviewed and submitted the annual Salt and Nutrient Monitoring Plan (SNMP) report on behalf of PC12 member agencies. The monitoring provisions were follow-up management actions in the 2014 SNMP that required monitoring of surface water and groundwater in the San Juan Basin. The monitoring activities assist in the calibration of the modelling of salt and nutrients in the San Juan Basin.

Air Quality Compliance at the Regional Treatment Plant

SOCWA submitted the required forms to the South Coast Air Quality Management District (SCAQMD) to transition the current operation of a continuous emissions monitoring system (CEMS) into an Inspection and Monitoring (I & M) Plan. The transition off of CEMS was accomplished through an update of the 1110.2 Rule through the stationary source committee at SCAQMD through the assistance of the Southern California Association of POTWs (SCAP) Air Quality Committee. This effort saves hundreds of thousands of dollars in the operation and maintenance of the CEMS unit at the Regional Treatment Plant. SOCWA staff estimates transitioning away from the CEMS by September 1, 2020.

PFAS Update

SOCWA member agencies supported the in-kind contribution of $2000 to fund the California Association of Sanitation Agencies (CASA) effort to evaluate the Office of Environmental Health Hazard Assessment (OEHHA) recommendation for notification levels (NLs) and response levels (RLs) in drinking water in California. The report found that the recommended NLs and RLs were lower that current average background blood serum levels in California adults. The study also found that the carcinogenic levels were based on a single study and that the study did not meet the standards under California Proposition 65. USEPA also concluded that the study did not support a quantitative assessment of PFOS carcinogenicity. The conservative nature of the findings is highlighted by the CASA report as the Phase 3 investigative orders are released by the State Water Resources Control Board (Order WQ 2020-0015-DWQ). The Phase 3 Orders require sampling of influent, effluent, and biosolids at treatment facilities in the state beginning in the fourth quarter. SOCWA is the responsible agency for reporting requirements in the Order and is working with member agencies on a coordinated approach for sample collection and analysis due to the concern that there are not proven analytical methods for sampling to determine accurate evaluation of the matrices required in the Order.

Compliance Evaluation Inspections

SOCWA staff participated in the Compliance Evaluation Inspections (CEI) from July through August 2020. The inspections were conducted by San Diego Regional Water Quality Control Board (SDRWQCB) staff virtually and in person. SOCWA staff attended virtual inspections for the Chiquita Water Reclamation Plant, Oso Water Reclamation Plant, 3A Wastewater Treatment Facility, and the City of San Clemente Water Reclamation Plant. SOCWA staff also attended the in plant inspections at the City of San Clemente's Water Reclamation Plant and the Chiquita

Water Reclamation Plant. SOCWA staff attended the virtual inspections and physical inspections as the scheduled allowed for attendance. SOCWA staff had multiple meetings with the SDRWQCB staff on the findings and incorporation of best management practices into the operations of the facilities. SOCWA staff has reviewed the reports and will provide a summary letter based on the findings for both outfalls.

OPERATIONS AND MAINTENANCE

Protest Update

SOCWA had several planned protest events near the treatment facilities during the first two weeks of June. This included one event that was purported to occur at the entrance to the Regional Treatment Plant. SOCWA staff were removed from any sites and restricted from traveling near any purported protests during the hours of the scheduled protests for those two weeks. Fortunately, the event at the Regional Treatment Plant entrance did not occur, and SOCWA did not experience any property damage during the protests.

O&M Project Updates

O&M staff continues to perform needed projects at the Plants during the Pandemic. This includes implementing projects in socially distanced manners or using additional personal protective equipment (PPE) to minimize exposure to COVID-19.

Pictured below, the staff is replacing a bleach tank that was leaking at RTP.

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Here O&M staff is tearing down the East Grit Auger that was blocked at CTP.

Staff is pictured below performing the three-year replacement of the batteries that start the CTP emergency generator.

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RTP staff is pictured here, removing a Return Activate Sludge (RAS) pump that is scheduled for an overhaul. After the pump was removed, it was delivered to the vendor that will be performing the pump overhaul.

Here is a picture of a newly installed device that staff is installing around SOCWA's facilities. The device automatically greases pumps. The pump pictured here is a Vanton pump on an odor scrubber. These types of projects have been important to help ensure that equipment is greased accurately on a set schedule, increasing the life of SOCWA's equipment.

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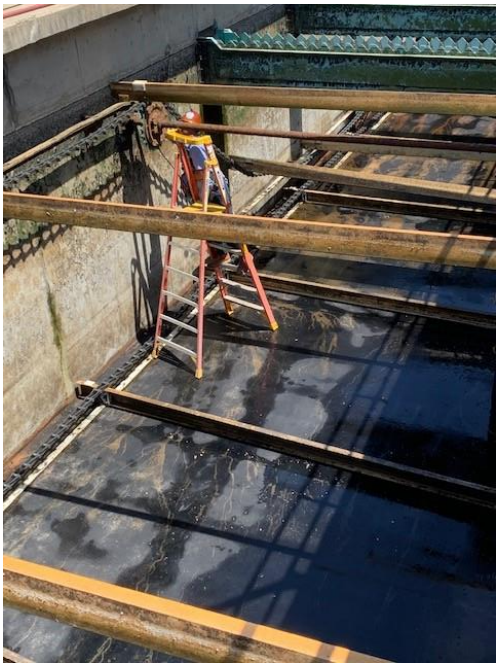
JBL staff is pictured here servicing on offline secondary clarifier at JBL. The sprocket being serviced requires regular maintenance due to it being submerged underwater while it is in service and exposed to the salty air when it is not in service.



Training Highlights

Several SOCWA employees are trained to train employees on the use of the boom lift crane. After completing the on-site training, employees are qualified to take the certification test. Below is a picture of one of the training exercises that is performed during the certification test. In this exercise, employees need to maneuver a load through the obstacle course without knocking over the cones.

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The picture below is one of SOCWA's newer employees, Michael Stiles. Michael is pictured here, putting his recently learned welding skills to work. Just before the Pandemic, SOCWA held a weeklong hands-on welding training program for several employees, including Michael.

ENGINEERING

San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project Update

Earlier this year, California State Parks notified SOCWA that they would be shutting down the Doheny State Beach campsite for upgrades to the campgrounds and facilities starting at the end of November 2020 and continuing through the end of March 2021. In discussions about their project and the Junction Structure Rehabilitation project, State Parks indicated a preference to have them conducted at the same time reducing the closures to the campground. The project team met and considered options to accommodate the State Parks request. After reviewing the options, SOCWA, Dudek, and Black and Veatch met with the California Coastal Commission (CCC) to gain agreement on processing a Coastal Development Permit. The CCC staff agreed that they would also like to reduce the amount of time the campground is closed and, pending certain criteria, agreed to expedite the permit processing. The CCC permit application was accepted as complete on June 2, 2020 and will be going to CCC hearing on August 13, 2020 with a CCC Staff recommendation to issue the final permit to SOCWA.

On July 16, 2020, a special PC-5 Engineering Committee Meeting was held to review a proposal from Filanc to make minor repairs to the Metering Station located at Doheny State Beach, use a Remotely Operated Vehicle (ROV) to inspect the interior of the Junction Structure, and to assist Black & Veatch with a constructability review of the final design. In addition, an addendum to the current Black and Veatch design contract was reviewed. The PC-5 Engineering Committee recommended approval of both items. On July 23, 2020, Project Committee 5 approved both items.

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DEL MAR HEIGHTS
LAS VEGAS
PHOENIX
SAN DIEGO
SILICON VALLEY

July 8, 2020

VIA U.S. MAIL AND E-MAIL [bburnett@socwa.com]

Board of Directors
SOUTH ORANGE COUNTY WASTEWATER AGENCY
c/o Betty Burnett, General Manager
34156 Del Obispo Street
Dana Point, CA 92629

Re: Agreement for Legal Services

Dear Ms. Burnett:

We appreciate the opportunity to have served South Orange County Wastewater Agency for the past year. The purpose of this letter is to notify you that our rates have increased and, for South Orange County Wastewater Agency, will increase effective September 1, 2020.

Effective on that date, we will provide services at the following rates: $345 per hour for the first 25 hours per month worked, $370 per hour for up to 50 additional hours of work per month, and $390 per hour for any subsequent work performed in a month. This rate schedule will be charged for all members of our public agency team and is still substantially below our standard rates. All other terms and conditions of our engagement will remain unchanged.

We look forward to helping you successfully meet future challenges.

Sincerely,

Gregory V. Moser

GVM:lcb