



**SOUTH SAN LUIS OBISPO COUNTY
SANITATION DISTRICT**

Post Office Box 339, Oceano, California 93475-0339
1600 Aloha, Oceano, California 93445-9735
Telephone (805) 489-6666 FAX (805) 489-2765
www.sslocsd.us

**AGENDA
BOARD OF DIRECTORS MEETING
Grover Beach City Hall Council Chambers,
154 South Eighth Street,
Grover Beach, California 93433**

Wednesday, November 15, 2023, at 6:00 p.m.

Board Members

Caren Ray Russom, Chair
Karen Bright, Vice Chair
Linda Austin, Director

Agencies

City of Arroyo Grande
City of Grover Beach
Oceano Community Services District

Alternate Board Members

Lan George, Director
Clint Weirick, Director
Allene Villa, Director

City of Arroyo Grande
City of Grover Beach
Oceano Community Services District

-
- 1. CALL TO ORDER AND ROLL CALL**
 - 2. PLEDGE OF ALLEGIANCE**
 - 3. AGENDA REVIEW**
 - 4. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA**

This public comment period is an invitation to members of the community to present comments, thoughts or suggestions on matters not scheduled on this agenda. Comments should be limited to those matters which are within the jurisdiction of the District. The Brown Act restricts the Board from taking formal action on matters not published on the agenda. In response to your comments, the Chair or presiding Board Member may:

- Direct Staff to assist or coordinate with you.
- Direct Staff to place your issue or matter on a future Board meeting agenda.

Please adhere to the following procedures when addressing the Board:

- Comments should be limited to three (3) minutes or less.
- Your comments should be directed to the Board as a whole and not directed to individual Board members.
- Slanderous, profane or personal remarks against any Board Member, Staff or member of the audience shall not be permitted

Any writing or document pertaining to an open-session item on this agenda which is distributed to a majority of the Board after the posting of this agenda will be available for public inspection at the time the subject writing or document is distributed. The writing or document will be available for

public review in the offices of the Oceano CSD, a member agency located at 1655 Front Street, Oceano, California. Consistent with the Americans with Disabilities Act (ADA) and California Government Code §54954.2, requests for disability-related modification or accommodation, including auxiliary aids or services, may be made by a person with a disability who requires modification or accommodation in order to participate at the above referenced public meeting by contacting the District Administrator or Bookkeeper/Secretary at (805) 481-6903. So that the District may address your request in a timely manner, please contact the District two business days in advance of the meeting.

5. CONSENT AGENDA:

The following routine items listed below are scheduled for consideration as a group. Each item is recommended for approval unless noted. Any member of the public who wishes to comment on any Consent Agenda item may do so at this time. Any Board Member may request that any item be withdrawn from the Consent Agenda to permit discussion or to change the recommended course of action. The Board may approve the remainder of the Consent Agenda on one motion.

5A. Approval of Warrants

5B. Approval of Meeting Minutes of October 4, 2023

6. ACTION ITEMS:

6A. WWTP REDUNDANCY PROJECT UPDATE

Recommendation: Receive and file the Wastewater Treatment Plant Redundancy Project update.

6B. WWTP REDUNDANCY PROJECT SECONDARY CLARIFIER DAMAGE UPDATE #4

Recommendation: Receive and file the Wastewater Treatment Plant Redundancy Project Secondary Clarifier Damage Update #4.

6C. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

Recommendation: Receive and File.

7. BOARD MEMBER COMMUNICATIONS:

8. CLOSED SESSION

Conference with Legal Counsel—Anticipated Litigation • Significant Exposure to Litigation Pursuant to 54956.9(d)(4): 1 case.

9. ADJOURNMENT

The next regularly scheduled Board Meeting is December 6, 2023, 6:00 pm at the
Grover Beach City Hall Council Chambers,
154 South Eighth Street,
Grover Beach, CA 93433

WARRANT REGISTER
11/15/2023
FISCAL YEAR 2023/24

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
AKESO OCCUPATIONAL HEALTH	SAFETY	S18704	100523-7151	8056	230.00	230.00
ALLIED ADMINISTRATORS	EMPLOYEE DENTAL	NOVEMBER 2023	7152	6025	1,058.39	1,058.39
ARAMARK	EMPLOYEE UNIFORMS	09/25; 10/02; 10/09	7153	7025	1,579.57	1,579.57
BRENNTAG	PLANT CHEMICALS	MULTIPLE	7154	8050	36,084.03	36,084.03
CARQUEST	AUTOMOTIVE	7314-1395956	7155	8032	68.64	68.64
CHARTER COMMUNICATIONS	COMMUNICATIONS	09/29/23-10/28/23	7156	7013	319.96	319.96
CITY OF GROVER BEACH	AGENCY BILLING	JULY AND AUGUST	7157	7081	3,718.50	3,718.50
COASTAL ROLLOFF	RUBBISH	SEPTEMBER 2023	7158	7093	1,372.81	1,372.81
CULLIGAN CCWT	RENTAL EQUIPMENT	83212; 83386	7159	7032	150.00	150.00
ENGEL & GRAY	BIOSOLIDS HANDLING	39X00013	7160	7085	5,767.91	5,767.91
EVERYWHERE RIGHT NOW	COMPUTER SUPPORT	OCTOBER 2023	7161	7082	100.00	100.00
FOUR STAR AUTOMOTIVE	AUTOMOTIVE	0087052	7162	8032	3,396.37	3,396.37
FRANKS LOCK AND KEY	EQUIPMENT MAINTENANCE	54263	7163	8030	35.00	35.00
GRAINGER	EQUIPMENT MAINTENANCE	MULTIPLE	7164	8030	41.60	41.60
GSOLUTIONZ	COMMUNICATIONS	236004	7165	7013	72.95	72.95
JB DEWAR	FUEL	269895	7166	8020	175.04	175.04
JR FILANC	REDUNDANCY	APPLICATION 29	7167	20-7080	189,060.11	189,060.11
KENNEDY JENKS	REDUNDANCY	166409	7168	20-7080	10,321.25	10,321.25
LARRY WALKER ASSOC.	TRUNK SEWER MAINTENANCE	AUGUST 2023	7169	8015	5,230.75	5,230.75
LINDE GAS & EQUIP	EQUIPMENT RENTAL	08/20/23-09/20/23	7170	7032	44.39	44.39
MCMaster CARR	EQUIPMENT MAINTENANCE	MULTIPLE	7171	8030	623.23	623.23
MICHAEL K NUNLEY	REDUNDANCY	1039258	7172	20-7080	11,754.88	16,347.00
	ENGINEERING	1039250; 1039259		7077	4,592.12	
MINERS	EQUIPMENT MAINTENANCE	SEPTEMBER 2023	7173	8030	328.35	328.35
MNS ENGINEERS	REDUNDANCY	84276	7174	20-7080	101,518.20	101,518.20
NBS	AGENCY BILLING	202309-2977	7175	7074	1,654.00	1,654.00
NVIRO	EQUIPMENT MAINTENANCE	3204	7176	8030	370.00	370.00
OCEANO COMMUNITY SERVICES	WATER	07/18/23-09/18/23	7177	7094	508.53	508.53
OILFIELD ENVIRO COMPLIANCE	CHEMICAL ANALYSIS	MULTIPLE	7178	7078	1,321.50	1,321.50
PERC WATER	REDUNDANCY START UP	6210	7179	20-7080	540.00	540.00
POLYDYNE	PLANT CHEMICALS	1777828	7180	8050	3,599.97	3,599.97
SANTA MARIA FAMCON PIPE	EQUIPMENT MAINTENANCE	MULTIPLE	7181	8030	1,233.38	1,233.38
SECURITAS TECHNOLOGY	ALARMS	OCTOBER 2023	7182	7011	13.79	1,391.24
	EQUIPMENT MAINTENANCE	MULTIPLE		8030	1,377.45	
SITE ONE LANDSCAPE	EQUIPMENT MAINTENANCE	135054861-001	7183	8030	126.80	126.80
SO CAL GAS	GAS	08/29/23-09/29/23	7184	7092	3,887.04	3,887.04
SOUTH COUNTY SANITARY	RUBBISH	OCTOBER 2023	7185	7093	365.49	365.49
SSLOCS	BENEFITS	SEPTEMBER 2023	7186		126,885.53	126,885.53
UMPQUA BANK,	CREDIT CARD	SEPTEMBER 2023	7187		5,213.13	5,213.13
VWR INTERNATIONAL	LAB SUPPLY'S	2023-244	7188	8040	1,258.02	1,258.02
WEST COAST GAUGING	EQUIPMENT MAINTENANCE	3032	7189	8030	373.00	373.00
AGP VIDEO	PROFESSIONAL SERVICE	SEPTEMBER 2023	101823-7190	7080	650.00	650.00
AKESO OCC. HEALTH	SAFETY SUPPLY'S	S17103	7191	8056	120.00	120.00
ALLTECH COMPUTERS	COMPUTER SUPPORT	32924925	7192	7082	3,815.28	3,815.28
AMERICAN BUSINESS MACHINES	OFFICE SUPPLY'S	707907	7193	8045	91.71	91.71
ARAMARK	EMPLOYEE UNIFORMS	10/16/2023	7194	7025	525.87	525.87
ATT MOBILITY	COMMUNICATIONS	09/03/23-10/02/23	7195	7013	80.48	80.48
BRENNTAG	PLANT CHEMICALS	BPI380480	7196	8050	8,889.13	8,889.13
CAREN RAY RUSSOM	BOARD SERVICE	OCTOBER 4, 2023	7197	7075	100.00	100.00
CITY OF ARROYO GRANDE	AGENCY BILLING	2024-003	7198	7073	5,463.50	5,463.50
COASTAL JANITORIAL	STRUCTURE MAINTENANCE	266203	7199	8061	775.00	775.00
CSDA	MEMBERSHIP	2024 MEMBERSHIP	7200	7050	8,851.00	8,851.00
GRAINGER	EQUIPMENT MAINTENANCE	MULTIPLE	7201	8030	91.03	91.03
GSOLUTIONZ	COMMUNICATIONS	0822/23-09/22/23	7202	7013	356.77	356.77
HELPING HANDS HEALTH ED	TRAINING	FIRST AID	7203	8056	794.75	794.75
II SUPPLY	SAFETY SUPPLY'S	MULTIPLE	7204	8056	733.21	1,166.85
	EQUIPMENT MAINTENANCE			8030	433.64	
JB DEWAR	FUEL	272863	7205	8020	362.78	362.78
JONES & MAYER	LEGAL COUNSEL	SEPTEMBER 2023	7206	7071	2,006.87	2,006.87
LAN GEORGE	BOARD SERVICE	OCTOBER 4, 2023	7207	7075	100.00	100.00
LINDA AUSTIN	BOARD SERVICE	OCTOBER 4, 2023	7208	7075	100.00	100.00
MCMaster CARR	EQUIPMENT MAINTENANCE	MULTIPLE	7209	8030	221.35	221.35
OILFIELD ENVIRONMENTAL	CHEMICAL ANALYSIS	MULTIPLE	7210	7078	204.00	204.00
PG&E	ELECTRICITY	09/08/23-10/09/23	7211	7091	38,491.62	38,491.62
POLYDYNE	PLANT CHEMICALS	1779823	7212	8050	8,425.43	8,425.43
RINCON	COASTAL HAZARD MONITORING	MAY AND SEPTEMBER	7213	7020	9,126.83	9,795.58
	BIOLOGICAL MONITORING	SEPTEMBER 2023		20-7080	668.75	
SECURITAS TECH	ALARMS	NOVEMBER 2023	7214	7011	6.42	6.42
SLO COUNTY APCD	PERMITS	23268	7215	7068	1,165.32	1,165.32
SLO CTC	PROPERTY TAX	FY 2023/24	7216	7095	35,862.48	35,862.48
TELEDYNE ISCO	LAB SUPPLY'S	S020627250	7217	8040	1,077.88	1,077.88
VELODYNE	STRUCTURE MAINTENANCE	POLYMER PUMP SETUP	7218	26-8065	2,500.00	2,500.00
SUBTOTAL					658,462.78	658,462.78

CONTINUED ON NEXT PAGE

WARRANT REGISTER
11/15/2023 CONTINUED
FISCAL YEAR 2023/24

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
ALLSAFE INDUSTRIES	EQUIPMENT MAINTENANCE	09435	110223-7219	8030	199.93	199.93
ALLIED ADMINISTRATORS	EMPLOYEE DENTAL	DECEMBER 2023	7220	6025	1,103.68	1,103.68
ALLSTAR INDUSTRIAL SUPPLY	SAFETY SUPPLY'S	3045	7221	8056	1,770.27	1,770.27
AMERICAN BUSINESS MACHINES	OFFICE SUPPLY'S	702179	7222	8045	77.65	77.65
ARAMARK	EMPLOYEE UNIFORMS	10/23; 10/30	7223	7025	1,118.48	1,118.48
B & B STEEL AND SUPPLY	EQUIPMENT MAINTENANCE	730322	7224	8030	915.81	915.81
BLUE WHITE INDUSTRIES	EQUIPMENT MAINTENANCE	737871	7225	8030	437.81	437.81
BRENNTAG	PLANT CHEMICALS	BPI380888; BPI384288	7226	8050	17,795.31	17,795.31
CA ELECTRIC SUPPLY	EQUIPMENT MAINTENANCE	7826-11149241	7227	8030	1,019.85	1,019.85
CHARTER COMMUNICATIONS	COMMUNICATIONS	10/29/23-11/28/23	7228	7013	319.96	319.96
CLINT WEIRICK	TRAINING	LEADERSHIP CONFERENCE	7229	7067	396.66	396.66
CULLIGAN CCWT	RENTAL EQUIPMENT	83885	7230	7032	60.00	60.00
EVERYWHERE RIGHT NOW	COMPUTER SUPPORT	Nov-23	7231	7082	100.00	100.00
GRAINGER	EQUIPMENT MAINTENANCE	MULTIPLE	7232	8030	561.52	561.52
GSOLUTIONZ	COMMUNICATIONS	DECEMBER 2023	7233	7013	72.95	72.95
II SUPPLY	EQUIPMENT MAINTENANCE	MULTIPLE	7234	8030	697.73	697.73
JB DEWAR	FUEL	276137	7235	8020	225.41	225.41
JOHN DEERE/CALCOAST MACHINE	EQUIPMENT MAINTENANCE	862875	7236	8030	58.81	58.81
KENNEDY JENKS	REDUNDANCY	167245	7237	20-7080	11,652.50	11,652.50
LINDE GAS & EQUIP	EQUIPMENT RENTAL	09/20/23-10/20/23	7238	7032	43.61	43.61
MCMASTER CARR	EQUIPMENT MAINTENANCE	MULTIPLE	7239	8030	1,812.84	1,812.84
MCMASTER CARR	EQUIPMENT MAINTENANCE	MULTIPLE	7240	8030	464.53	464.53
MINERS	EQUIPMENT MAINTENANCE	OCTOBER 2023	7241	8030	1,422.67	1,422.67
MNS ENGINEERS	REDUNDANCY	84471	7242	20-7080	58,906.91	58,906.91
NVIRO	EQUIPMENT MAINTENANCE	3258	7243	8030	3,385.00	3,385.00
OCEANO CSD	EQUIPMENT MAINTENANCE	1171	7244	8030	236.46	236.46
PACIFIC RESOURCES SERVICES	REDUNDANCY		7245	20-7080	8,458.08	8,458.08
SANTA MARIA FAMCON PIPE	TRUNK SEWER MAINTENANCE	S100113728.001	7246	8015	1,794.38	1,794.38
SWRCB		ELAP FEE	7247	7068	4,615.00	4,615.00
SO CAL GAS	GAS	09/29/23-10/30/23	7248	7092	3,643.11	3,643.11
SSLOCSD	BENEFITS	OCTOBER 2023	7249		126,836.24	126,836.24
UMPQUA BANK,	CREDIT CARD	OCTOBER 2023	7250		5,463.66	5,463.66
VWR INTERNATIONAL	LAB SUPPLY'S	2023-244; 246; 251	7251	8040	4,203.52	4,203.52
SUBTOTAL					259,870.34	259,870.34
TOTAL					918,333.12	918,333.12

We hereby certify that the demands numbered serially from 082823-7081 to 110223-7251 together with the supporting evidence have been examined, and that they comply with the requirements of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT. The demands are hereby approved by motion of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT, together with warrants authorizing and ordering the issuance of checks numbered identically with the particular demands and warrants.

BOARD OF DIRECTORS:

DATE:

Chairman

Secretary



SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT

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SUMMARY ACTION MINUTES Meeting of Wednesday, October 04, 2023

1. CALL TO ORDER AND ROLL CALL

Vice Chair Karen Bright called the meeting to order and recognized a quorum.

Present: Lan George, Alternate, City of Arroyo Grande
Karen Bright, Vice Chair, City of Grover Beach
Linda Austin, Director, Oceano Community Services District

District Staff: Jeremy Ghent, District Administrator
Keith Collins, District Legal Counsel
Mychal Jones, District Superintendent
Amy Simpson, District Bookkeeper/Secretary

2. PLEDGE OF ALLEGIANCE

3. AGENDA REVIEW

Action: Approved as presented.

4. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA

There was no public comment.

5. CONSENT AGENDA:

5A. Approval of Warrants

5B. Approval of Meeting Minutes of September 6, 2023

There was no public comment.

Motion: Director Austin motioned to approve the Consent Agenda as presented.

Second: Director George

Action: Approved unanimously by roll call vote.

6. ACTION ITEMS:

6A. CONTRACT FOR COASTAL HAZARD MONITORING WITH RINCON CONSULTANTS

Administrator Ghent presented this report.

There was no public comment.

Motion: Director George motioned to authorize the District Administrator to execute a contract for Environmental Monitoring Services with Rincon Consultants in the amount of \$80,396. And to execute future contract amendments if required with Rincon Consultants for the Coastal Hazards Monitoring Program in an amount up to \$3,993 (5%) to address unanticipated changes to the Monitoring Program, for a total potential cost of \$84,389.

Second: Director Austin

Action: Approved unanimously by roll call vote.

6B. CONTRACT AMENDMENT 1 FOR WWTP REDUNDANCY PROJECT ADMINISTRATION SERVICES WITH MKN AND ASSOCIATES

Administrator Ghent presented this report. The Board had a brief discussion.

There was no public comment.

Motion: Director Austin motioned to authorize the District Administrator to execute a contract amendment for continued Wastewater Treatment Plant Redundancy Project Administration Services with MKN and Associates, Inc., (MKN) in the amount of \$140,506, for a total contract budget of \$259,955.

Second: Director George

Action: Approved unanimously by roll call vote.

6C. WWTP REDUNDANCY PROJECT SECONDARY CLARIFIER DAMAGE UPDATE #3

Administrator Ghent presented this report. The Board had a brief discussion.

There was no public comment.

Action: The Board received and filed this report.

6D. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

Administrator Ghent presented the Administrator report.

Superintendent Mychal Jones presented the Plant Operations report. During the reporting period of August 1st- August 31st there were no violations of the District's

National Pollutant Discharge Elimination System (NPDES) Permit to report. All process values were within Permit limitations.

Action: The Board received and filed this report.

7. BOARD MEMBER COMMUNICATIONS

None.

8. CLOSED SESSION:

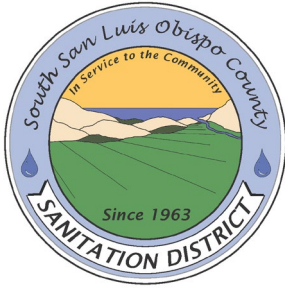
Conference with Legal Counsel—Anticipated Litigation • Significant Exposure to Litigation Pursuant to 54956.9(d)(4): 1 case.

Action: There was no reportable action.

9. ADJOURNMENT:

6:38 p.m.

***THESE MINUTES ARE DRAFT AND NOT OFFICIAL UNTIL APPROVED BY THE
BOARD OF DIRECTORS AT A SUBSEQUENT MEETING.***



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Staff Report

To: Board of Directors
From: Jeremy Ghent, District Administrator
Date: November 15, 2023

Subject: WWTP REDUNDANCY PROJECT UPDATE

RECOMMENDATION:

Receive and file the Wastewater Treatment Plant Redundancy Project update.

BACKGROUND:

The District has been working to develop the Wastewater Treatment Plant (WWTP) Redundancy Project, the largest capital improvements project the District has undertaken since the 1986 WWTP Improvements. The project is intended to allow major process units to be removed from service for maintenance or repairs without risking violation of effluent permit limits. The project includes the following main components:

- Two activated sludge (AS) aeration basins
- One new secondary clarifier
- Fixed film reactor (FFR) effluent and primary effluent pump station
- Waste activated sludge (WAS) thickener with modifications to existing dewatering platform
- Blower, electrical, and motor control center (MCC) building
- Yard piping
- Site improvements
- Instrumentation and controls
- Electrical systems
- Floodproofing of critical plant systems
- Rehabilitation of existing secondary clarifier
- New generator to provide backup power for new facilities

The project construction documents were circulated for bid in September and bids were received in November 2020. After review and evaluation, the contract was awarded to J.R. Filanc Construction Company, Inc., (Filanc) in December 2020 and Notice to Proceed was issued January 25, 2021. MNS Engineers, Inc., (MNS) is serving as the Construction Manager, Kennedy/Jenks Consultants, Inc., (Kennedy Jenks) is the Design Engineer, and MKN & Associates, Inc., (MKN) is supporting as the District's Project Manager.

DISCUSSION:

On July 10, 2023, damage to the new secondary clarifier (secondary clarifier 2, "SC2") floor slab was discovered. Through investigations over the next couple of months, multiple cracks were found in the structural slab. As reported to your Board in September, the Project Team determined the primary contributor to the structural failures is the design of the floor slab. There appears to have been both calculation and assumption errors that led to a floor design that could not adequately withstand the hydrostatic pressure (upward force of groundwater).

This unanticipated issue at SC2 will have schedule and budget impacts, the full extent of which is unknown at this time. The Project Team has been working to develop the best path forward. Physical inspections have been performed by KJ and ClearStream (the clarifier mechanism manufacturer). MKN retained the services of a structural engineer (SSG Structural Engineers) under the Project Management contract to assist in reviewing the findings and recommendations. Additionally, MNS performed a survey of the clarifier floor. Kennedy Jenks is developing the design for repair of the floor.

Kennedy Jenks provided the draft plans and specifications to the District in October for review. The draft plans were provided to Filanc as a reference to begin developing a quote to complete the work. SSG Structural Engineers performed a detailed review and provided comments to Kennedy Jenks in early November. Staff expects to receive the final plans and specifications for the repair from Kennedy Jenks by November 20, 2023. The District will obtain a review by SSG Structural Engineers before sending the final design to Filanc to request a quote for the construction. At that time, District staff will have a better understanding of the schedule impacts and cost. There is still no indication that the District will be responsible for the additional cost required to repair SC2 or the costs of delays to the Redundancy Project.

This quarterly Project update covers the months of July through September 2023. The schedule was impacted by delays in receipt of equipment critical to the startup and operation of the aeration basins (air flow control valves and dissolved oxygen probes) and is further delayed due to the damage at SC2.

Schedule Summary:

Notice to Proceed:	January 25, 2021	Contract Time Elapsed:	1008
Original Contract Duration:	900	Contract Time Remaining:	-104
Current Contract Duration:	904	Change Order Days:	4
Current Contract Completion Date:	July 18, 2023	Weather Days:	5
Schedule Completion Date:	November 13, 2023		
Percent Complete by Time:	112%		
Notes: 1. Durations are in calendar days. 2. Schedule summary drafted on October 30, 2023.			

The Contractor's September 1, 2023 Schedule Update indicated completion on November 13, 2023, 118 days beyond the contract completion date. Critical path activities consist of Phase D

functional testing, startup, and commissioning. Delays were primarily due to the delays in delivery of the flow control valves and dissolved oxygen probes, as well as issues with the motor management relays and bringing Secondary Clarifier 1 online. It is anticipated that the schedule will be delayed further due to ongoing work at Primary Clarifier 1, the startup and commissioning checklist, as well as SC2 repairs. SC2 repairs are not yet reflected in the Contractor's schedule, as they have not received direction for the final scope of work.

Budget Summary:

The budget summaries were drafted on October 30, 2023 and were based on the invoices received, costs incurred to date, and approved change orders.

Construction Contract:

Contract Award:	\$26,939,042.00	Contract Earnings to Date:	\$26,562,421.48
Contract Changes:	\$444,660.81		
Current Contract:	\$27,383,702.81		
Change Order Percent:	1.65%	Percent Complete by Cost:	97%

Change Order #16 was executed during the month of July to capture a few changes in scope, increasing the total project cost by \$13,898.42. Changes included removing a feature associated with the hand operation of the pumps, which required rework of the MCC and SCADA, and installing a concrete swale between the fixed film reactor and secondary clarifier 1 to better channelize stormwater flows to storm drains and reduce potential for sediment buildup.

Change Order #17 was executed during the month of August to capture a few changes in scope, increasing the total project cost by \$8,072.34. Changes included the exploration of an unknown pipeline that conflicted with the generator building floodwall piles, installing a riser to prevent overly large steps, and concrete repairs required to address a leak at an existing scum box at Secondary Clarifier 1.

There were no change orders issued during the month of September.

Overall Project Budget:

A summary of the overall project budget, including construction and professional services costs, is provided in the table below. Additional details are attached.

Description	Budget	Spent to Date	Balance to Finish
Construction (Bid Price)	\$26,939,042	-	-
Change Orders (#1 – 17)	\$444,660.81	-	-

Description	Budget	Spent to Date	Balance to Finish
<i>Subtotal Current Construction Contract (Bid Price + Change Orders)</i>	\$27,383,702.81	\$26,562,422.11	\$821,280.70
Construction Contingency	\$2,341,724	-	\$2,341,724.00
Other Construction Costs (1)	\$192,566	\$182,153.78	\$10,411.84
<i>Subtotal (Construction + Construction Contingency + Other Construction Costs)</i>	\$29,917,992	\$26,744,575.89	\$3,173,416.19
Professional Services Costs	\$7,481,930	\$6,637,536	\$844,394
Professional Services Contingency (2)	\$0	-	\$0
Total	\$37,400,000	\$33,382,112	\$4,017,811
Notes: (1) Other Construction Costs include PG&E Service costs, OCSD water fees, and project-related electrical and SCADA work required for existing processes. (2) Professional services contingency was utilized for increased Engineering and Project Administration costs, approved at Board Meetings in March 2021 and October 2023.			

Summary of Work:

July

- Filanc continued site work, installing concrete curb and gutter, landscaping soil, irrigation piping, and compacted gravel
- Filanc also completed the pipeline tie-ins at the Heating & Mixing Building, as well as
- performed functional testing on the remaining available pumps
- Xylem was on-site July 6, 2023 testing the RAS pumps at SC2
- Borger was on-site on July 13, 2023 to test the scum pump
- Borger also checked the operability of the WAS and TWAS pumps; testing will occur upon startup of the RDT
- Taft Electric repaired the existing centrifuge conductor, performed ground testing, continued lighting installation, and provided support during electrical testing
- Filanc also continued working toward Phase D Startup. The flow control valves and DO probes were installed and wired, allowing for startup and testing of the Blowers to be completed
- The Blower Manufacturer, Aerzen, also completed Operator training on July 12, 2023

- The week of July 17-July 21, 2023, TSI and AutoSys Inc performed SCADA testing on the systems
- A Pre-Startup punchlist was created and distributed to Filanc for completion
- On July 10, 2023, a crack was discovered in the SC2 slab, allowing infiltration of groundwater

August

- Filanc continued site work, installing concrete curb and gutter, landscaping, irrigation, and fine grading
- Taft Electric and the SCADA test continued working on the punchlist items
- Filanc also completed removing the grout from the SC2
- On August 7, 2023, Filanc began the 14-day Startup Period for equipment within the Aeration Basins by recirculating water within the Aeration Basins. However, startup period was halted due to issues with Blower faults. After working through some issues, startup period was resumed on August 17, 2023. On August 26, 2023, what was determined to be a power outage occurred causing Blower 3 to fault out on low pressure. It was also determined that several pieces of equipment did not turn back on automatically after the power outage as intended. Filanc and subcontractors are working through the issues, for which the solution involves reprogramming. Startup will not be considered complete until the issues have been resolved and tested.

September

- Filanc continued site work, installing concrete curb and gutter, landscaping, irrigation, and fine grading
- Taft Electric and the SCADA team continued working on the punchlist items
- Taft completed tagging the conduits and wires throughout the site and demobilized the majority of their equipment and materials
- Filanc completed removing the manifold from the SC2 mechanism to provide access to the SC2 center column anchor bolts and began installation of a manifold system to capture groundwater coming into the SC2 through the PRVs. The manifold system work was not completed as Filanc was directed to allow the groundwater to come to equilibrium within the SC2 on September 5, 2023
- On September 5, 2023, Kennedy-Jenks' structural engineer visited the site to inspect the SC2 slab. The structural engineer determined that the original recommendation to inject the cracks would not be sufficient and an alternative solution would be developed. A workshop was held to discuss SC2 options on September 27, 2023
- On September 18, 2023, a power outage test was conducted testing the automatic restart function in the updated SCADA programming. Testing was successful and the Phase D Aeration Basin equipment startup period is considered complete. MNS is preparing a pre-commissioning punchlist for Filanc to complete.

- On September 19, 2023, the Harmonic Filter commissioning was conducted. MNS, Eaton and Taft personnel attended the commissioning. A commissioning report will be submitted for review.
- Filanc received the Primary Clarifier No.1 (PC1) mechanism and began coating the components, preparing for installation in October.

Anticipated Upcoming Work:

Anticipated upcoming work includes the following activities:

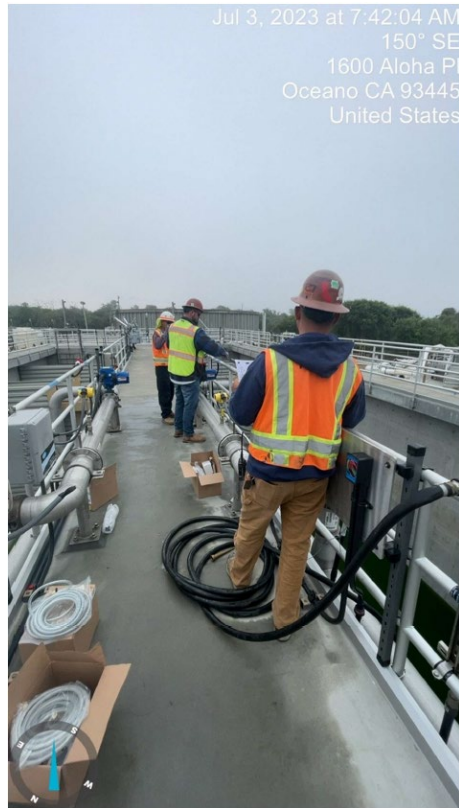
- Filanc intends to complete the Pre-Commissioning Punchlist as well as the site work, fine grading, landscaping, floodwall installations and paving
- The diesel particulate filter (DPF), required at the existing generator per the APCD permit, will be installed
- Filanc will begin demolition of the existing and installation of the new PC1 mechanism
- Kennedy-Jenks is expected to provide additional guidance with respect to the preferred SC2 solution
- Filanc will engage Keller to provide ground improvement design and dewatering for the SC2 repair

Fiscal Consideration:

The WWTP Redundancy Project budget and financing plan were updated after bids were received in November 2020. The project is being financed through Certificates of Participation and a loan from USDA Rural Development. Project costs are consistent with the budget at this time.

Attachments:

1. Construction Photos July 1, 2023 – September 30, 2023
2. MNS Monthly Report Executive Summaries – July 2023, August 2023, September 2023
3. WWTP Redundancy Project Budget Status – October 30, 2023



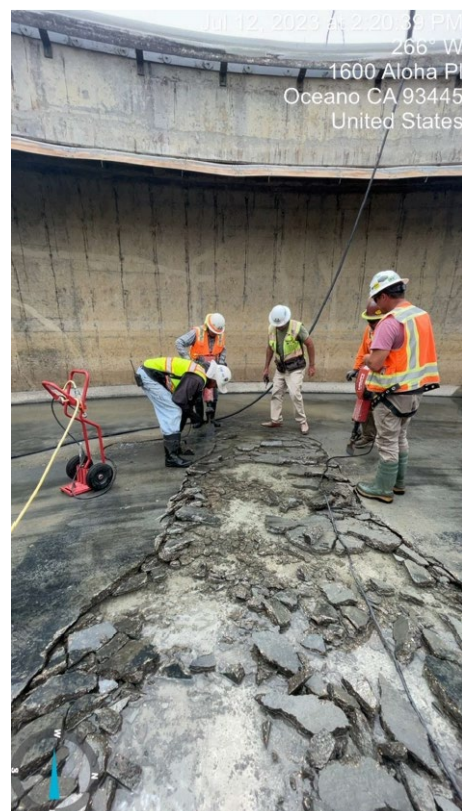
7.3.23. DO Probe Installation



7.5.23 Irrigation Lines



7.10.23 Blowers Operational



7.12.23 Breaking Out Grout



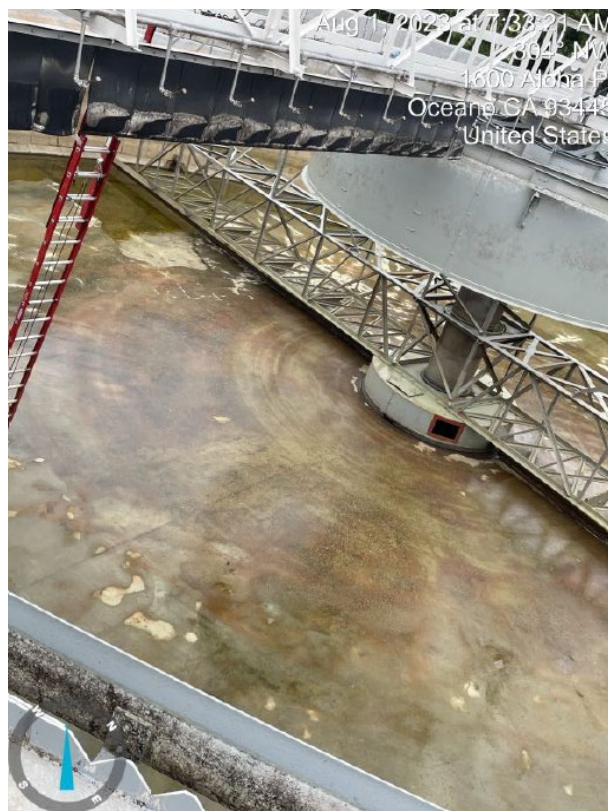
7.25.23 Grout Injection



7.26.23 RDT Tie-In No.2 Complete



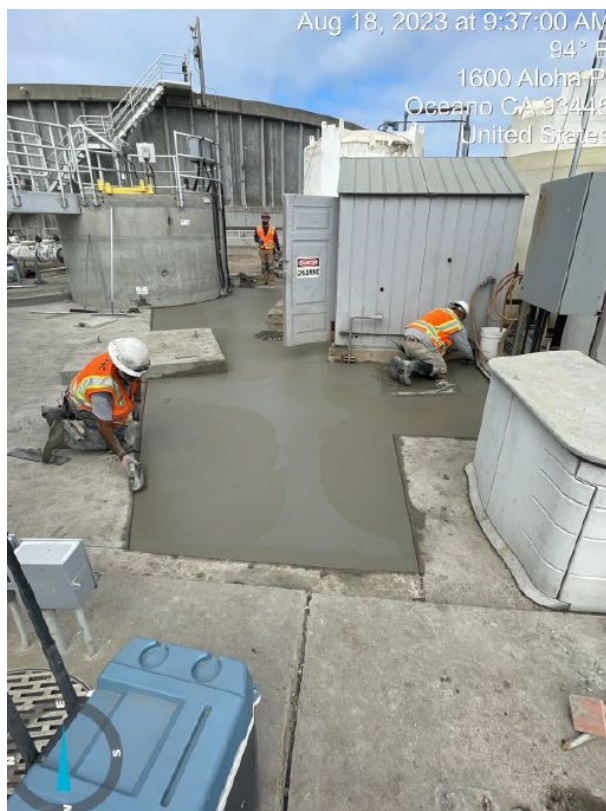
8.1.23. Concrete Curb & Gutter Placement



8.1.23 SC2 Floor



8.11.23 Curb & Gutter Concrete Placement



8.18.23 Concrete Flatwork



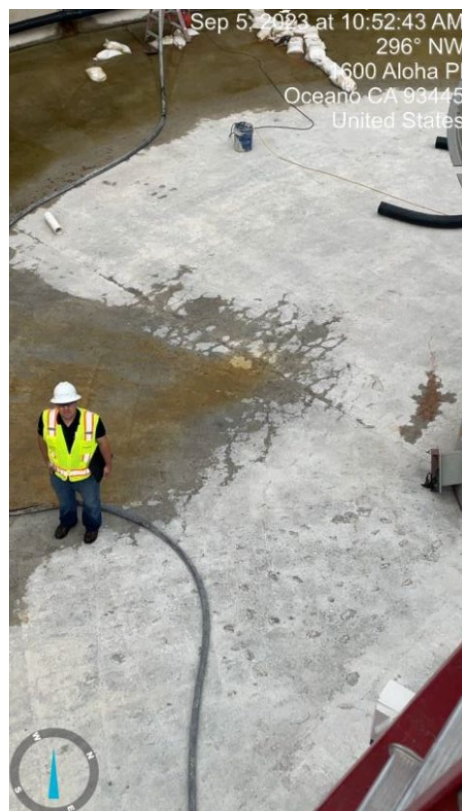
8.23.23 ARV Installation



8.31.23 Blower Manufacturer On-Site



9.1.23. Leaking Bolt



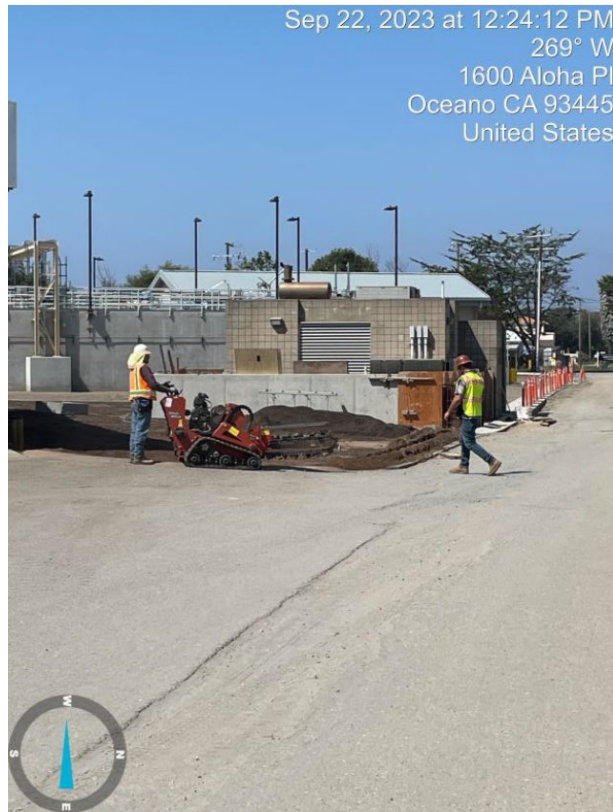
9.5.23 SC2 Additional Leaks



9.8.23 Dewatering Well Finishes



9.13.23 PC1 Mechanism Coating Containment



9.22.23 Landscaping Soil



9.29.23 Generator Floodwall Concrete Placement

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$436,588.47
Current Price:	\$27,361,732.05	Change Order Percent:	1.62%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$24,852,296.32
Current Contract Time:	917 calendar days	Paid This Period:	\$361,476.73
Contract Completion:	18 July 2023	Retention To Date:	\$1,308,015.60
Schedule Completion:	20 September 2023	Percent Complete:	94%
Liquidated Damages**:	\$224,000.00	% of Time Lapsed:	101.4%
		(917 calendar days)	

* Accounts for progress payments approved prior to 31 July 2023.

** Liquidated Damages are realized upon actual Project Completion.

July: Filanc continued site work, installing curb and gutter, compacted base and landscaping soil. Taft Electric continued wiring lighting and troubleshooting issues with controls, while TSI and Autosys Inc performed SCADA testing and troubleshooting, in preparation for the Phase D startup. Crack in the SC2 was identified and grout removal began.

August: Filanc will begin the startup period of Phase D. Site work will continue with fine grading, landscaping, completion of curb and gutter install, and paving. Grout removal in the SC2 will be completed.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings. Operations Support/Commissioning Meetings. RFI Review Meetings

Key Project Indicator Grades:

Project Schedule: C Safety: A

Project Cost: A Contract Administration: A

Critical Issues:

Secondary Clarifier No.2: A crack was found in the SC2 slab allowing infiltration of groundwater. Grout removal is in progress to allow further diagnosis of the issue.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. PC2 has been repaired. The PC1 replacement mechanism was procured by Filanc and is anticipated for delivery in mid-September 2023. A claim is anticipated.

Community Workforce Agreement: The Project is in compliance with the Community Workforce Agreement.

Biological: CA Red Legged Frog (CRLF) checks in open holes/trenches and standing water each morning and coordinated WEAP training of new on-site personnel.

American Iron & Steel: The Project is in compliance with AIS. A punchlist walk will be conducted with the USDA prior to project closeout.

Risk Management Log: Key Items at this stage of the Project include monitoring change orders, unintended consequences of construction, unknown underground utilities, and introduction of the new treatment process to existing plant.

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$444,660.81
Current Price:	\$27,383,702.81	Change Order Percent:	1.65%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$25,045,240.30
Current Contract Time:	904 calendar days	Paid This Period:	\$192,943.98
Contract Completion:	18 July 2023	Retention To Date:	\$1,318,170.54
Schedule Completion:	18 October 2023	Percent Complete:	94%
Liquidated Damages**:	\$322,000.00	% of Time Lapsed:	104.9% (948 calendar days)

* Accounts for progress payments approved prior to 31 August 2023.

** Liquidated Damages are realized upon actual Project Completion.

August: Filanc continued site work, installing curb and gutter, compacted base and landscaping soil. Filanc also completed the SC2 grout removal. Taft Electric, TSI and Autosys Inc. continued working on punchlist items.

September: Filanc will complete the Startup period of Phase D and complete the Pre-Commissioning List. Site work will continue with fine grading, landscaping, completion of curb and gutter install, and paving. Taft Electric will complete punchlist items to the extent possible.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings. Power Outage Meeting

Key Project Indicator Grades:

Project Schedule:	C	Safety:	A
Project Cost:	A	Contract Administration:	A

Critical Issues:

Secondary Clarifier No.2: A crack was found in the SC2 slab allowing infiltration of groundwater. Grout removal was completed. Development of solutions is on-going.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. PC2 has been repaired. The PC1 replacement mechanism was procured by Filanc and is anticipated for delivery in mid-September 2023. A claim is anticipated.

Community Workforce Agreement: The Project is in compliance with the Community Workforce Agreement.

Biological: CA Red Legged Frog (CRLF) checks in open holes/trenches and standing water each morning and coordinated WEAP training of new on-site personnel.

American Iron & Steel: The Project is in compliance with AIS. A punchlist walk will be conducted with the USDA prior to project closeout.

Risk Management Log: Key Items at this stage of the Project include monitoring change orders, unintended consequences of construction, unknown underground utilities, and introduction of the new treatment process to existing plant.

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$444,660.81
Current Price:	\$27,383,702.81	Change Order Percent:	1.65%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$25,234,300.41
Current Contract Time:	904 calendar days	Paid This Period:	\$189,060.11
Contract Completion:	18 July 2023	Retention To Date:	\$1,328,121.07
Schedule Completion:	13 November 2023	Percent Complete:	96%
Liquidated Damages**:	\$413,000.00	% of Time Lapsed:	108.2%
		(978 calendar days)	

* Accounts for progress payments approved prior to 30 September 2023.

** Liquidated Damages are realized upon actual Project Completion.

September: Filanc continued site work, installing curb and gutter, compacted base and landscaping soil. Filanc also removed the SC2 manifold and placed the last concrete floodwall at the generator building. Commissioning of the AHU unit was completed and the Phase D Startup was successfully completed. Filanc, Taft Electric, TSI and Autosys Inc. continued working on punchlist/Pre-Commissioning items.

October: Filanc will complete the Pre-Commissioning list for Phase D. Site work will continue with fine grading, landscaping, and paving. Filanc will complete the installation of the generator building floodwall and dpf filter. KJ will provide guidance on the Secondary Clarifier No.2 (SC2) slab.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings. SC2 Workshop. RDT Meeting

Key Project Indicator Grades:

Project Schedule:	C	Safety:	A
Project Cost	A	Contract Administration:	A

Critical Issues:

Secondary Clarifier No.2: A crack was found in the SC2 slab allowing infiltration of groundwater. Grout and manifold removal was completed by Filanc. KJ's structural engineer conducted an inspection of the slab and potential solutions are being evaluated. Filanc was directed to allow the groundwater to equalize in the SC2 structure.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. PC2 has been repaired. The PC1 replacement mechanism was delivered on September 6, 2023. Filanc's coatings subcontractor is coating the components prior to installation. A claim is anticipated.

Community Workforce Agreement: The Project is in compliance with the Community Workforce Agreement.

Biological: CA Red Legged Frog (CRLF) checks in open holes/trenches and standing water each morning and coordinated WEAP training of new on-site personnel.

American Iron & Steel: The Project is in compliance with AIS. A punchlist walk will be conducted with the USDA prior to project closeout.

Risk Management Log: Key Items at this stage of the Project include monitoring change orders, unintended consequences of construction, unknown underground utilities, and introduction of the new treatment process to existing plant.



SSLOCSD WWTP Redundancy Project Budget Status

Updated	30-Oct-23
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Description	Original Budget	Notes	Revised Budget	Notes	Earned Previously	Notes	Jul-23	Aug-23	Sep-23	This Period	Total Spent to Date	Balance to Finish
Construction Costs												
<i>General Contractor</i>												
Construction (Bid Price)	\$ 26,939,042		\$ 26,939,042.00									
CCO#1 - Relocate existing water line	\$ -		\$ 16,037.86									
CCO#2 - Blind flange & air relief	\$ -		\$ 8,867.49									
CCO#3 - Deduct for utilities	\$ -		\$ (21,751.81)									
CCO#4 - Fire Water Invert, I/O Modules, Duckbank obstruction	\$ -		\$ 74,744.73									
CCO#5 - Waterline reroute @ Generator wall, HDPE concrete penetrations	\$ -		\$ 13,893.92									
CCO#6 - PE Pump Starters, WAS potholing, unknown slab	\$ -		\$ 13,863.55									
CCO#7 - AB Conduit Bridge, Utility & Misc. credits, Floodwall Mods	\$ -		\$ 139,503.91									
CCO#8 - Misc. Credits, electric davit crane winches, SST header	\$ -		\$ 42,583.01									
CCO#9 - Revise phasing of startup/commissioning	\$ -		\$ 10,900.00									
CCO#10 - Floodwall Subgrade & Dewatering Well Finish	\$ -		\$ 27,808.96									
CCO#11 - Diesel Particulate Filter & Water leak assist	\$ -		\$ 58,111.55									
CCO#12 - SC1 Rehab, Infill, Various Credits	\$ -		\$ (8,012.40)									
CCO#13 - Generator Floodwall Footing, catch basin at SC1 RAS well, misc	\$ -		\$ 31,349.64									
CCO#14 - Bird deterrent, add'tl hoses, temp piping mods	\$ -		\$ 12,209.72									
CCO#15 - Valve finishes, deduct for gate valve design change	\$ -		\$ 2,579.92									
CCO#16 - Controls Mod for Pumps in Hand OP, Concrete swale	\$ -		\$ 13,898.42									
CCO#17 - Floodwall conflict, concrete infill, SC1 scum box repair	\$ -		\$ 8,072.34									
<i>Change Order Total</i>	\$ -		\$ 444,660.81									
Updated Construction Contract	\$ 26,939,042		\$ 27,383,702.81		\$ 25,779,810.72	7	\$ 380,501.82	\$ 203,098.93	\$ 199,010.64	\$ 782,611.39	\$ 26,562,422.11	\$ 821,280.70
<i>Other Construction Costs</i>												
PG&E Service Cost	\$ -		\$ 161,866	4	\$ 161,865.62		\$ -	\$ -	\$ -	\$ -	\$ 161,865.62	\$ -
OCSD water fees	\$ -		\$ 700		\$ 700.00		\$ -	\$ -	\$ -	\$ -	\$ 700.00	\$ -
Supporting Electrical & SCADA work	\$ -		\$ 30,000	14	\$ 19,588.16		\$ -	\$ -	\$ -	\$ -	\$ 19,588.16	\$ 10,411.84
Construction Contingency	\$ 3,353,911	1	\$ 2,341,724	4	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,341,724
Subtotal Construction + Construction Contingency	\$ 30,292,953		\$ 29,917,992		\$ 25,961,964.50		\$ 380,501.82	\$ 203,098.93	\$ 199,010.64	\$ 782,611.39	\$ 26,744,575.89	\$ 3,173,416.19
Professional Services Costs												
Engineering Design + Bid Support + Engr Service During Construction (KJ)	\$ 2,781,737		\$ 3,142,790		\$ 2,982,225.32		\$ 19,421.05	\$ 30,770.68	\$ -	\$ 50,191.73	\$ 2,982,225.32	\$ 160,565
Engineering Design + Bid Phase Support	\$ 1,931,613		\$ 1,931,613									
Engineering Services During Construction	\$ 850,124		\$ 850,124									
Amendment 4 Engineering Services during Construction	\$ -		\$ 136,330	3								
Amendment 5 Engineering Services during Construction			\$ 79,425									
Amendment 6 Engineering Services during Construction			\$ 95,749									
Amendment 7 Engineering Services during Construction			\$ 49,549									
Operations Services - Startup, Training, O&M	\$ 300,000		\$ 299,672	10	\$ 64,831.34		\$ 20,466.00	\$ 721.53	\$ 540.00	\$ 21,727.53	\$ 86,558.87	\$ 213,113
Construction Management (MNS)	\$ 2,616,043	13	\$ 2,901,871	13	\$ 2,489,748.98		\$ 71,924.89	\$ 54,304.05	\$ 101,518.20	\$ 227,747.14	\$ 2,717,496.12	\$ 184,375
Construction Management (MNS)	\$ 2,616,043		\$ 2,616,043									
Construction Management Amendment #1 (MNS)	\$ -		\$ 285,828									
Legal/Admin Costs (Estimated)	\$ 669,921		\$ 779,613	3, 11,15	\$ 454,920.38		\$ 20,010.56	\$ 8,778.18	\$ 20,212.96	\$ 49,001.70	\$ 503,922	\$ 275,691
Legal (Estimated)	\$ 50,000		\$ 50,000		\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Admin (MKN)	\$ 500,093		\$ 609,785	3, 11,15	\$ 400,093.47		\$ 20,010.56	\$ 8,778.18	\$ 11,754.88	\$ 40,543.62	\$ 440,637.09	\$ 169,147.91
Community Workforce Administration (Pacific Resources)	\$ 79,828		\$ 79,828		\$ 14,826.91		\$ -	\$ -	\$ 8,458.08	\$ 8,458.08	\$ 23,284.99	\$ 56,543
Development of Community Workforce Agreement	\$ 40,000		\$ 40,000		\$ 40,000.00		\$ -	\$ -		\$ -	\$ 40,000.00	\$ -
Prequalification of Contractors	\$ 22,000		\$ 21,506	9	\$ 21,506.39		\$ -	\$ -	\$ -	\$ -	\$ 21,506.39	\$ -
County Permits, Inspections, and Related Fees (Estimated)	\$ 314,878		\$ 332,878		\$ 320,634.70		\$ -	\$ 1,153.75	\$ 1,263.75	\$ 2,417.50	\$ 323,052	\$ 9,826
CEQA	\$ 191,504		\$ 191,504		\$ 191,504.00		\$ -	\$ -	\$ -	\$ -	\$ 191,504.00	\$ -
NEPA documentation for USDA application	\$ 29,815		\$ 30,849		\$ 30,849.35		\$ -	\$ -	\$ -	\$ -	\$ 30,849.35	\$ -
Permits, inspections, other fees (estimated)	\$ 7,800		\$ 6,766		\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,766
Biological Monitoring (Rincon)	\$ 85,759		\$ 85,759		\$ 80,316.35		\$ -	\$ 1,153.75	\$ 1,263.75	\$ 2,417.50	\$ 82,733.85	\$ 3,025
Hydrogeological Study	\$ -		\$ 18,000	12	\$ 17,965.00		\$ -	\$ -	\$ -	\$ -	\$ 17,965.00	\$ 35
Construction photography	\$ -		\$ 3,600	6	\$ 2,500.00		\$ -	\$ 275.00	\$ -	\$ 275.00	\$ 2,775.00	\$ 825
Subtotal of Soft Project Costs	\$ 6,704,579		\$ 7,481,930		\$ 6,336,367		\$ 131,823	\$ 96,003	\$ 123,535	\$ 351,361	\$ 6,637,536	\$ 844,394
Professional services contingency	\$ 397,000	2	\$ -	3,11,15	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total (Budgets rounded up to the nearest \$10,000)	\$ 37,400,000		\$ 37,400,000		\$ 32,298,332		\$ 512,324	\$ 299,102	\$ 322,546	\$ 1,133,972	\$ 33,382,112	\$ 4,017,811

Notes:

- Construction contingency is recommended at 12.45% based on 15% for estimated higher risk items and 10% for estimated lower risk items.
- Professional services contingency is recommended at 10% for future non-construction expenditures based on uncertainty in construction schedule and level of effort for professional services, including engineering, construction management, biological monitoring, and administrative services
- Estimated total cost for Administrative Services has increased based on project duration, and cost for Engineering Services During Construction was increased at the Nov 3, 2021 Board meeting (KJ contract amendment 4). The professional services contingency was reduced accordingly. (March 2021)
- PG&E Service costs were realized in February 2021. The construction contingency was reduced accordingly.
- Correction to Construction Management (MNS) invoice (August 21, 2021): The March 2021 invoice was incorrectly reported in the June 2021 Budget Update as \$42,207.20 and has been updated to \$45,207.20 to match the actual invoice amount.
- A budget for professional construction photography (anticipated to be quarterly or semi-annual drone flights) was added in Summer 2021.
- Construction costs include the 5% contract retainage.
- Correction to Construction Managemenet (MNS) invoices (September 20, 2021): The January 2021 invoices was incorrrectly reported twice, once with February invoices and also with earned previously amount. The Earned Previously Amount has been reduced by \$56,472.46 to account for the previous duplication in reporting.
- The Contractor Prequalification was completed for less than budgeted. The budget was reduced accordingly and the \$494 remainder was added to the Professional Services Contingency budget.
- The District Board authorized execution of a contract with Perc Water for Operations Consulting Services in the amount of \$299,672 on 5/18/2022. The budget for Operations Services was updated accordingly.
- The estimated total cost for Administrative Services was updated based on proposed Year 4 services, which considered level of effort to date, project duration and anticipated tasks. The professional services contingency was increased accordingly. (Sept 2022)
- Hydrogeological Study was performed Sept-Dec 2023 at the request of USDA Rural Development. The professional services contingency was reduced to cover the cost.
- Budget for Construction Management (MNS) was corrected from \$2,616,120 to match contract amount in June 2023.
- Electrical and SCADA work required to support the Redundancy Project, including installation of instruments at existing processes (not included in the WWTP Redundancy Project contract), was realized and completed separately by the District. Costs were allocated to the Project in June 2023 and the construction contingency was reduced to account for it.
- Project administrative costs increased due to extended construction schedule and unanticipated damage at Secondary Clarifier #2. Amendment 1 to contract for MKN was approved at 10/3/23 Board Meeting for \$140,506. Professional Services contingency was reduced by \$100,922 and remainder of budget was taken from the construction contingency (\$39,584).



SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT

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www.sslocsd.org

Staff Report

To: Board of Directors
From: Jeremy Ghent, District Administrator
Date: November 15, 2023

**Subject: WWTP REDUNDANCY PROJECT SECONDARY CLARIFIER DAMAGE
UPDATE #4**

RECOMMENDATION:

Receive and file the Wastewater Treatment Plant Redundancy Project Secondary Clarifier Damage Update #4.

BACKGROUND:

At the October 4, 2023, Board Meeting staff discussed the status of the investigation into the concrete failure at the newly constructed Secondary Clarifier #2.

The team and designer identified the design issue, reviewed alternatives, and selected a repair.

Kennedy Jenks (KJ) is preparing design plans for removal, replacement and anchoring of the floor. In addition to replacing the floor slab with a thicker section, micro-pile anchors will be used to further protect against hydrostatic uplift.

DISCUSSION:

Since the October 4th Board meeting KJ has submitted 75% complete construction plans for the repair. The project team and the District's third-party structural engineer has reviewed and provided comments back to KJ. Final plans will be received on November 20th.

To reduce the overall delay, the project team and KJ have engaged the contractor and began parallel discussions on constructability of the repair design. This allows the contractor to identify material sources and ask any questions about the repair while the design is progressing concurrently.

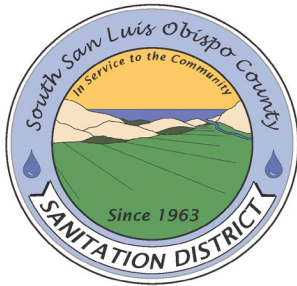
NEXT STEPS:

The team expects to receive 100% construction plans late on November 20th.

Staff and the project team will continue to update the board at every board meeting.

FINANCIAL CONSIDERATIONS:

The District has incurred some minimal expenses participating in the 3rd party investigation. The cost of the repair and delay is still unknown. At this time there is no indication that the District will incur direct costs from the delay or to implement the repair.



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Staff Report

To: Board of Directors
From: Jeremy Ghent, District Administrator; Mychal Jones, Plant Superintendent
Date: November 15, 2023

Subject: DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

This report represents ongoing information on the latest District staff activities on major capital projects and studies, programmatic initiatives, regional collaboration, miscellaneous activities, and Plant Operations. *Updates since the last report are provided in italics below:*

Capital Projects:

Redundancy Project:

- *Quarterly Update Provided Item 6A.*

Misc:

- *Staff intends to combine the ribbon cutting for the Redundancy Project with recognizing the District for 60 years of serving our communities. Dates will be finalized as the schedule for the repair to the secondary clarifier becomes available. Likely early spring of 2024.*

Plant Tours:

- *None*

Tentative Items:

- *Update on Secondary Clarifier Construction Issue (December 6)*

Plant Operations Report

During the reporting period of September 1st – October 31st there were no violations of the District's National Pollutant Discharge Elimination System (NPDES) Permit to report. All process values were within Permit limitations.

Monthly Plant Data for September 2023

September 2023	INF Flow MGD	INF Peak Flow MGD	INF BOD mg/L	EFF BOD mg/L	BOD % Removal	INF TSS mg/L	EFF TSS mg/L	TSS % Removal	Fecal Coliform MPN/100 mL	Chlorine Usage lbs/day
Low	2.06	3	466	21.3		443	23.4		2	250
High	2.37	4	627	33.5		577	31.4		110	813
Sept 2023 AVG	2.18	3.38	527	25.9	95.1	509	26.4	94.8	25	435
Sept 2022 AVG	2.12	3.29	528	24.4	95.4	549	28.1	94.9	43	397
Limit	5.0			40/60/90	>80		40/60/90	>80	2000	

Monthly Plant Data for October 2023

October 2023	INF Flow MGD	INF Peak Flow MGD	INF BOD mg/L	EFF BOD mg/L	BOD % Removal	INF TSS mg/L	EFF TSS mg/L	TSS % Removal	Fecal Coliform MPN/100 mL	Chlorine Usage lbs/day
Low	2.08	3	444	13.4		471	20.4		1.8	123
High	2.28	3.9	606	42.0		640	31.0		33	588
Oct 2023 AVG	2.15	3.36	522	24.3	95.3	516	26.3	94.9	16	368
Oct 2022 AVG	2.05	3.19	535	25.2	95.3	554	22.7	95.9	47	319
Limit	5.0			40/60/90	>80		40/60/90	>80	2000	

Operation and Maintenance Tasks

- Cleaned out sludge bed polymer mixer
- Removed pump and temporary hoses from secondary clarifier
- Continued chlorination of aeration basins for algae control
- Performed maintenance and repairs on lawn mower
- Serviced trash pumps
- Checked and marked Underground Service Alerts
- Repaired leak on digester No. 1
- Troubleshoot primary No. 2 sludge pump VFD fault and reset
- Completed installation of landscaping around District office
- Fabricated stand for valve turner
- Swept plant throughout with street sweeper
- Performed a hydraulic flush of the fixed film reactor
- Drained and rinsed chlorine contact tank

- Installed new backup chlorination pump
- Changed out hot water boiler air filter
- Landscaped area around flagpole
- Fabricated concrete form for base of new clarifier sludge pump
- Performed weed abatement through plant grounds
- Trimmed trees near front entrance
- JBI Water & Wastewater Equipment performed startup and field services on the new polymer pump at the splitter box
- Shutdown flow to primary clarifier No. 1 in preparation for repair
- Oceano Community Services District assisted Operations staff with locating a leaking water line
- West Coast Gauging performed annual maintenance on methane gas equipment and flare
- Installed new manual well water filter
- Drained and rinsed Sodium Bisulfite containment tank
- Installed new insulation around Sodium Bisulfite chemical lines and hot water lines
- Installed new electrical conduits on chlorine contact tank to clean up loose control and power lines
- Relocated ISCO sampler to begin sampling dechlorinated effluent

Work Orders Completed

- Serviced 6" trash pump
- Replaced heating and air conditioning filter
- Inspected vacuum/pressure relief valves
- Rinsed down all surfaces of clarifiers
- Inspected all drives of clarifiers
- Changed oil on fixed film reactor turntable
- Serviced fixed film reactor ventilation fans
- Serviced flash mixer
- De-ragged sludge pumps
- Serviced plant carts
- Serviced influent ventilation fan
- Exercised effluent pumps
- Performed monthly safety walk

Training

Staff participated in training on:

- New splitter box polymer pump operation
- First Aid and CPR
- OIT Staff continue training in treatment plant operations, maintenance, and laboratory analysis

Call Outs

- September 10th at 12:32 AM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.

- September 22nd at 6:25 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.
- September 25th at 6:40 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.
- October 6th at 5:44 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.
- October 17th at 6:35 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.
- October 24th at 6:20 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.
- October 26th at 6:30 PM – High ORP alarm. Upon arrival, Operations staff observed and ensured the system was back to normal following the alarm. Operations staff continued to monitor the system prior to resetting the alarm.

Operations staff have made operational changes to resolve the High ORP alarm.

2023 Non-Serious Violations

- April 19, 2023 – Daily Maximum Fecal Coliform
Expired October 16, 2023.

Non-serious (also known as chronic) violations are subject to a mandatory minimum penalty of \$3,000 each when four or more occur in any period of six consecutive months (period commencing on the date that one of the violations occurs and ending 180 days after that date). The first three violations in that period are not assessed a mandatory minimum penalty.

Staff



19-year District Operator Billy Romhild with Operators in Training Robert Grajeda and Everardo Vargas.



District Plant Operators Justin Musick and Mario De Leon.



OCSD Crew assisting District Plant Operators with locating a leaking water line.





Plant Operations staff performing a monthly fixed film reactor oil sample, orifice and net cleaning, and the replacement of a broken orifice.