



**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**

VIRTUAL ZOOM MEETING

Please click the link below to join the webinar:

Wednesday, September 15, 2021 at 6:00 p.m.

Board Members

Linda Austin, Chair
Jeff Lee, Vice Chair
Caren Ray Russom, Director

Agencies

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

Alternate Board Members

Shirley Gibson, Director
Karen Bright, Director
Lan George, Director

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

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/89080726611>

Or Telephone

1 669 900 6833
1 408 638 0968
1 346 248 7799
1 253 215 8782
1 301 715 8592
1 312 626 6799
1 646 876 9923

Webinar ID: 890 8072 6611

International numbers available: <https://us02web.zoom.us/u/kzjpJnHhz>

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

In order to prevent and mitigate the effects of the COVID-19 pandemic, the District, in accordance with Executive Order N-29-20, will not make available a physical location from which members of the public may observe the meeting and offer public comment. Remote public participation is allowed in the following ways:

Community members are encouraged to submit agenda correspondence in advance of the meeting via email to the District Secretary at amy@sslocsd.us prior to the meeting and will be published on the District website. Agenda correspondence received less than 3 hours before the meeting start time may not be posted until after the meeting. Members of the public may watch the meeting either on cable Channel 20 or as streamed on SLOSPAN <https://slo-span.org/static/index.php>

Alternatively, members of the public may watch the meeting and speak during general Public Comment or on a specific agenda item by logging in to the Zoom webinar using the information provided above. Please use the “raise hand” feature to indicate your desire to provide public comment. Each speaker will be allowed three minutes to provide input.

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:

5A. Approval of Warrants

5B. Approval of Meeting Minutes of August 4, 2021

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.

6. ACTION ITEMS:

6A. QUARTERLY UPDATE ON REDUNDANCY PROJECT.

Receive and file the Wastewater Treatment Plant Redundancy Project update.

6B. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

Recommendation: Receive and File.

7. BOARD MEMBER COMMUNICATIONS:

8. ADJOURNMENT:

The next regularly scheduled Board Meeting will be held October 6, 2021, at 6:00 pm.

This meeting will be held either virtually via ZOOM or depending on the status of the COVID-19 Emergency at the Oceano Community Services District Board Room 1655 Front Street, Oceano, CA 93445

WARRANT REGISTER
9/15/2021

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	
ALLIED ADMINISTRATORS	DENTAL	SEPTEMBER 2021	081121-5485	6025	815.10	815.10
ARAMARK UNIFORMS	UNIFORMS	07/30/21; 08/06/21	5486	7025	639.11	639.11
BRENNTAG	CHEMICALS		5487	8050	12,209.24	12,209.24
BRISCO'S	EQUIPMENT MAINTENANCE	180873	5488	8030	27.07	27.07
CAREN RAY RUSSOM	BOARD SERVICE	AUGUST 2021	5489	7075	100.00	100.00
CHARTER	COMMUNICATIONS	07/29/21-08/28/21	5490	7013	319.95	319.95
COASTAL ROLL OFF	RUBBISH	JULY 2021	5491	7093	1,641.90	1,641.90
DEPARTMENT OF CONSUMER AFFAIRS	LICENSES	GHENT	5492	7055	180.00	180.00
EMERALD SCIENTIFIC			5493		5,569.90	5,569.90
EVERYWHERE RIGHT NOW, INC.	COMPUTER SUPPORT	AUGUST 2021	5494	7082	100.00	100.00
FERGUSON ENTERPRISES	DIGESTER 2 REHAB	9383815	5495	26-8065	429.57	429.57
GRAINGER	SAFETY SUPPLIES	MULTIPLE	5496	8056	197.03	197.03
I.I. SUPPLY	SAFETY SUPPLIES	MULTIPLE	5497	8056	59.66	59.66
JB DEWAR	FUEL	119248	5498	8020	212.27	212.27
JEFF LEE	BOARD SERVICE	AUGUST 2021	5499	7075	100.00	100.00
LINDA AUSTIN	BOARD SERVICE	AUGUST 2021	5500	7075	100.00	100.00
MICHAEL K NUNLEY & ASSOC.	REDUNDANCY ADMIN	9367	5501	20-7080	5,681.48	22,904.57
	DIGESTER 2 REHAB			26-8065	17,223.09	
MINERS ACE HARDWARE	EQUIPMENT MAINTENANCE	JULY 2021	5502	8030	523.77	523.77
MOTIVE SYSTEMS, INC.	EQUIPMENT MAINTENANCE	37317; 37318	5503	8030	539.80	539.80
OCEANO CSD	REDUNDANCY	1112	5504	20-7080	560.00	560.00
OEC, INC	CHEMICAL ANALYSIS	2104613	5505	7078	93.00	93.00
PRAXAIR	RENTAL EQUIPMENT	06/20/21-07/20/21	5506	7032	38.94	38.94
SAN LUIS POWERHOUSE	EQUIPMENT MAINTENANCE	GENERATOR	5507	8030	1,545.00	1,545.00
SO CAL GAS	UTILITY GAS	JULY 2021	5508	7092	2,473.61	2,473.61
SOUTH COUNTY SANITARY	RUBBISH	AUGUST 2021	5509	7093	400.11	400.11
STREATOR PIPE & SUPPLY	EQUIPMENT MAINTENANCE	S1589635.001	5510	8030	254.35	254.35
SWRCB	FINES	AL-0002132 CAA	5511	7068	9,000.00	9,000.00
TELEDYNE ISCO, INC.	CAPITAL EQUIPMENT	PORTABLE SAMPLER	5512	19-8010	4,017.59	4,017.59
UMPQUA BANK		JULY 2021	5513		3,389.88	3,389.88
UNDERGROUND SERVICE ALERT		MULTIPLE	5514	7050	2,527.82	2,527.82
VWR	LAB SUPPLY'S	2020-039; 2021-057; 2021-058; 2021-060	5515	8040	502.20	502.20
WINEMA INDUSTRIAL SUPPLY	EQUIPMENT MAINTENANCE	5629	5516	8030	195.84	195.84
SSLOCS	TRANSFER TO MECHANICS BANK	SEPTEMBER 2021	5517		110,603.74	110,603.74
AGP VIDEO	BOARD MEETING	JULY 7, 2021	082421-5518	7080	460.00	460.00
AIRFLOW FILTER SERVICE	EQUIPMENT MAINTENANCE	79884	5519	8030	100.26	100.26
ALLSTAR INDUSTRIAL SUPPLY	SAFETY SUPPLIES	2774	5520	8056	1,415.70	1,415.70
ARAMARK	UNIFORMS	08/20; 08/13	5521	7025	640.61	640.61
AT&T	COMMUNICATIONS	08/11/21-09/10/21	5522	7013	454.46	454.46
AUTOSYS, LLC	SCADA	0041; 0045	5523	20-7060	3,705.30	3,705.30
BRENNTAG	PLANT CHEMICALS	BPI172448	5524	8050	10,310.71	10,310.71
CARQUEST	EQUIPMENT MAINTENANCE	7314-1253932	5525	8030	224.49	224.49
DUPERON	EQUIPMENT MAINTENANCE	23320	5526	8030	860.79	860.79
ENGEL & GRAY	BIOSOLIDS HANDLING	JULY 2021	5527	7085	5,166.81	5,166.81
FARM SUPPLY	EQUIPMENT MAINTENANCE	218537	5528	8030	86.98	86.98
FLOW N CONTROL INC	EQUIPMENT MAINTENANCE	205612	5529	8030	4,119.73	4,119.73
GRAINGER	ADMIN BUILDING	MULTIPLE	5530	8035	100.86	100.86
HACH	MEMBERSHIPS	ANNUAL SUPPORT	5531	7050	3,454.86	3,454.86
II SUPPLY	EQUIPMENT MAINTENANCE	78934; 78880; 78815	5532	8030	169.27	169.27
JAN PRO	STRUCTURE MAINTENANCE	SEPTEMBER 2021	5533	8060	333.00	333.00
JB DEWAR	FUEL	120517	5534	8020	44.59	44.59
JONES & MAYER	LEGAL COUNSEL	JULY 2021	5535	7071	451.50	451.50
J.R. FILANC CONSTRUCTION	REDUNDANCY	APPLICATION NO. 03	5536	20-7080	1,149,394.42	1,149,394.42
KNECHT'S PLUMBING	STRUCTURE MAINTENANCE	PORTABLE AIR CONDITIONER	5537	8060	745.00	745.00
KSB, INC.	STRUCTURE MAINTENANCE	SLUDGE FEED PUMP #2	5538	26-8065	2,310.17	2,310.17
NATES PLUMBING	STRUCTURE MAINTENANCE	WATER HEATER INSTALLATION	5539	8060	1,650.00	1,650.00
OCS	STRUCTURE MAINTENANCE	1114	5540	8030	623.70	623.70
OILFIELD ENVIRONMENTAL COMP.	CHEMICAL ANALYSIS	2104977	5541	7078	93.00	93.00
PG&E	ELECTRICITY	7/12/21-8/10/21	5542	7091	27,216.98	27,216.98
QUALITY PEST MGMT.	ADMIN BUILDING	SANITIZING & DISINFECTING	5543	8060	450.00	450.00
RINCON CONSULTANTS	REDUNDANCY	JULY 2021	5544	20-7080	467.50	2,348.35
	COASTAL HAZARD MONITORING			7020	1,880.85	
SAFETY KLEEN SYSTEMS	FUEL	86791010	5545	8020	280.00	280.00
STANLEY SECURITY	ALARMS	JULY 2021	5546	7011	75.55	75.55
VWR SCIENTIST	LAB SUPPLIES	PO 2021-076	5547	8040	252.17	252.17

WARRANT REGISTER CONTINUED
9/15/2021

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	
AC DESIGNS		000515	091021-5548		385.30	385.30
AIRFLOW FILTER SERVICE	EQUIPMENT MAINTENANCE	80378	5549	8030	154.47	154.47
AIRGAS USA, LLC	EQUIPMENT MAINTENANCE	9116526752	5550	8030	55.85	55.85
ALLIED ADMINISTRATORS	EMPLOYEE DENTAL	OCTOBER 2021	5551	6025	815.10	815.10
ARAMARK	UNIFORMS	08/27/21; 09/03/21	5552	7025	650.04	650.04
BRAX COMPANY, INC.	STRUCTURE MAINTENANCE	36407	5553	26-8065	7,543.47	7,543.47
CHARTER COMMUNICATIONS	INTERNET AND PHONE	08/29/21-09/28/21	5554	7013	320.34	320.34
COASTAL ROLL OFF	RUBBISH	AUGUST	5555	7093	1,464.80	1,464.80
ENGEL & GRAY	BIOSOLIDS HANDLING	AUGUST 2021	5556	7085	4,219.03	4,219.03
EVERYWHERE RIGHT NOW	COMPUTER SUPPORT	SEPTEMBER 2021	5557	7082	100.00	100.00
FEDERAL EXPRESS	CAPITAL EQUIPMENT	RETURN ISCO	5558	8010	149.47	149.47
GRAINGER	EQUIPMENT MAINTENANCE	9035567263	5559	8030	48.97	48.97
I.I. SUPPLY		79217	5560		67.26	67.26
J.B. DEWAR	FUEL	121820	5561	8020	162.89	451.88
	CHEMICAL ANALYSIS	173134		7078	288.99	
J.R. FILANC	REDUNDANCY CONSTRUCTION	APPLICATION 4	5562	20-7080	627,095.00	627,095.00
KENNEDY JENKS	REDUNDANCY	DESIGN	5563	20-7080	60,038.70	60,038.70
MAINLINE UTILITY	TRUNK SEWER MAINTENANCE	5490	5564	8015	7,393.65	7,393.65
MC MASTER CARR	EQUIPMENT MAINTENANCE	64139663	5565	8030	135.91	135.91
MICHAEL K NUNLEY & ASSOC.	REDUNDANCY	9537	5566	20-7080	6,254.94	18,862.46
	DIGESTER NO 2 REHAB	9557		26-8065	12,607.52	
MINERS HARDWARE	ADMIN BUILDING SUPPLIES	AUGUST 2021	5567	8045	412.27	412.27
OILFIELD ENVIRONMENTAL COMP.	CHEMICAL ANALYSIS	2104976; 2105275	5568	7078	181.00	181.00
PETROLEUM SOLIDS CONTROL	EQUIPMENT MAINTENANCE	29213	5569	8030	1,350.00	1,350.00
PRAXAIR DISTRIBUTION	EQUIPMENT RENTAL	65538584	5570	7032	39.63	39.63
SANTA MARIA TOOL	EQUIPMENT MAINTENANCE	17364	5571	8030	59.81	59.81
SO CAL GAS	UTILITY GAS	AUGUST 2021	5572	7092	2,489.65	2,489.65
SO CO SANITARY SERVICE	RUBBISH	SEPTEMBER 2021	5573	7093	394.20	394.20
UMPQUA BANK	CREDIT CARD	AUGUST 2021	5574		2,243.04	2,243.04
VWR SCIENTIST	LAB SUPPLIES	2021-078	5575	8040	277.13	277.13
SSLOCSD	MECHANIC BANK TRANSFER	AUGUST 2021	5576		130,292.56	130,292.56
TOTAL					2,267,501.27	2,267,501.27

We hereby certify that the demands numbered serially from 081121-5485 to 091021-5576 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:

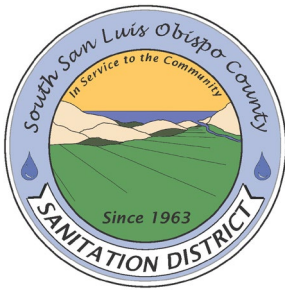
DATE:

Chairman

Board Member

Board Member

Secretary



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.org

SUMMARY ACTION MINUTES Meeting of Wednesday, August 4, 2021

1. CALL TO ORDER AND ROLL CALL

Chair Austin called the meeting to order and recognized a quorum.

Present: Linda Austin, Chair, Oceano Community Services District
Jeff Lee, Vice Chair, City of Grover Beach
Caren Ray Russom, Director, City of Arroyo Grande

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

2. PLEDGE OF ALLEGIANCE

3. AGENDA REVIEW

Action: Approved as presented.

4. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA

None.

5. CONSENT AGENDA:

5A. Approval of Warrants

5B. Approval of Meeting Minutes of July 7, 2021

Staff received comments regarding the SSLOCSD transfer warrant and the warrant for Bank of New York Mellon.

Administrator Ghent clarified the SSLOCSD transfer warrant is the District's means of transferring funds from the County Treasury to Mechanic's Bank to cover payroll and employee benefits.

There was no public comment.

Motion: Director Ray Russom motioned to approve the Consent Agenda as presented.
Second: Director Lee
Action: Unanimously by roll call vote.

6. ACTION ITEMS:

6A. APPROVE AND AUTHORIZE DISTRICT ADMINISTRATOR TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH LARRY WALKER ASSOCIATES TO PERFORM PRETREATMENT PROGRAM UPDATE

Superintendent Jones presented this report. He reported that this Pretreatment Program update will consist of a Local Limits Evaluation, an Industrial User Rate Structure update, and a Pretreatment Ordinance/Sanitary Sewer Use Ordinance update.

The Board had a brief discussion.

There was no public comment.

Motion: Director Lee motioned to

1. Approve and authorize District Administrator to enter into Professional Service Agreement with Larry Walker Associates in the amount of \$127,281;
2. Authorize the District Administrator to approve a specific contingency for this project up to 10% (\$12,728) of the total project amount for a total potential amount of \$140,009.

Second: Director Ray Russom

Action: Approved unanimously roll call vote.

6B. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

Administrator Ghent presented the Administrators Report. He updated the Board on the Redundancy Project and reported the plant was audited by the Regional Water Quality Control Board on 06/29/2021 and RWQCB will issue the report this month.

Superintendent Jones presented the Plant Operations Report. He reported that the District exceeded its NPDES Permit for daily maximum fecal coliform bacteria. He provided an explanation for the exceedance and reported on plant maintenance tasks, work orders, and call outs. He announced that the Digester No. 2 Rehabilitation Project has been completed and staff has begun filling the digester.

There was no public comment.

Action: The Board received and filed this report.

7. BOARD MEMBER COMMUNICATIONS

None.

8. CLOSED SESSION:

Public Employee Performance Evaluation pursuant to Government Code Section 54957:

Title: Legal Counsel

There was no Public Comment.

Legal Counsel reported that it is very unlikely there was reportable action.

9. ADJOURNMENT TO CLOSED SESSION:

6:26 p.m.

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



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.org

Staff Report

To: Board of Directors

From: Jeremy Ghent, District Administrator

Date: September 15, 2021

Subject: **WWTP REDUNDANCY QUARTERLY PROJECT UPDATE #3**

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:

This quarterly Project update covers the months of May, June, and July.

Schedule Summary:

Notice to Proceed:	January 25, 2021	Contract time elapsed	186203
Original Contract Duration	900	Contract time remaining	696
Current Contract Duration	899	Change order days:	-1 day
Current Completion Date	July 13, 2023	Weather days:	0
Schedule Completion Date	August 1, 2023		
Percent complete by time	23%		
Notes: 1. Durations are in calendar days. 2. Schedule summary drafted on August 22, 2021.			

The Contractor's July 30, 2021 Schedule Update indicated completion 13 working days beyond the contractual completion date. To mitigate additional time required for excavation of the main zone and dewatering, Filanc is planning on overlapping some future work activities by utilizing additional crew as needed to accomplish the work. District staff and the District's Construction Manager, MNS, are actively monitoring the schedule and maintaining communication with the Contractor to help ensure delays are kept at a minimum where possible, and will continue to do so.

Budget Summary:

The budget summaries were drafted on August 24, 2021 and based on the invoices received and costs incurred to date.

Construction Contract:

Contract Award	\$26,939,042.00	Contract Earnings to Date	\$4,104,739.86
Contract Changes	\$16,037.86		
Current Contract	\$26,965,079.86		
Change Order Percent	0.01%	Percent Complete by Cost	15.2%

Contract Change Order #1 was executed in June increasing the contract price by approximately \$16,038 to cover the WWTP waterline relocation required per Work Change Directive #1 (which was executed for a not-to-exceed amount of \$27,508).

At this time, three Potential Change Orders (PCO) are in progress for miscellaneous additional items and unanticipated changes during construction. The PCOs have been developed and reviewed, and are anticipated to result in a Contract Change Order of less than \$15,000. Additional information will be forthcoming when available.

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	-	-
CCO#1	\$16,038	-	-
Current Construction Contract	\$26,955,080	\$4,104,740	\$22,850,340
Construction Contingency	\$3,175,307	\$0	\$3,175,307
Other Construction Costs (1)	\$162,566	\$162,566	\$0
<i>Subtotal (Construction + Construction Contingency + Other)</i>	\$30,292,953	\$4,267,306	\$26,025,647
Professional Services Costs	\$6,744,093	\$3,406,858	\$3,337,236
Professional Services Contingency	\$361,163	\$0	\$361,163
Total	\$37,400,000	\$7,674,163	\$29,724,046
Notes: CCO = Construction Change Order (1) Other Construction Costs include PG&E Service costs and OCSD water fees.			

Summary of Work:

May

- Filanc completed the WWTP waterline relocation per Work Change Directive #1, continued potholing, and began installing the dewatering system. The dewatering system consists of dewatering wells, piping, a desilting tank, a booster pump, controls, alarms, and a backup generator.
- Compaction grouting for protection of existing facilities and structures was completed in early May and installation of the vibratory stone columns began.
- Installation of electrical conduit and handholes continued throughout May and coordination with PG&E and AT&T for relocation/abandonment of utilities in the work area is complete for this phase of the work.

- The WWTP communications conduit and a 1" water supply line were damaged during excavation and potholing respectively, and were subsequently repaired by the Contractor at no additional cost to the District.

June

- Installation of the vibratory stone columns was completed and installation of piles and sheet piles for the excavation shoring systems was partially completed. The shoring subcontractor was demobilized and scheduled to resume after the site had been sufficiently dewatered. Filanc completed installation of the inclinometers for settlement monitoring.
- Set up of the dewatering system was completed, which included installation of nineteen dewatering wells. Operational testing of the dewatering system was completed on June 24th and fulltime operation began June 25th. The average daily dewatered volume was 420,000 gallons, well below the specified limit of 1,000,000 gallons per day.
- Excavation of the main work zone reached a depth of 8 feet by June 30th.

July

- Filanc continued dewatering and excavation within the main work zone. Approximately 5,700 cubic yards of material have been hauled from the site.
- On July 13th, the shoring subcontractor, Blue-Iron, remobilized to the site and completed pile driving for the shoring system.
- On July 20th voids and cracks were observed in the soil adjacent to the sheet pile wall and the existing primary clarifier No. 2. The excavation in the area was backfilled and slope protection was added, and it was decided that no further excavation would occur in the area until groundwater was shown to be 2 feet below the excavation.
- Due to dewatering taking longer in some areas, Filanc submitted a Request for Information, requesting to proceed with a phased approach to excavation and installation of the Load Transfer Platform. No exceptions were taken to the RFI.
- Dewatering has continued. The desilting tank backup gas booster pump was switched out for a backup electric booster pump, and a new autodialer to transmit alarms on the dewatering system was installed.
- Filanc has proceeded with the phased excavation approach and the Load Transfer Platform (LTP) for Secondary Clarifier No. 2 was installed on July 30th.
- Trenching for the 36-inch mixed liquor pipe and the 18-inch return activated sludge pipe that will be under the Secondary Clarifier No. 2 began.
- Electrical conduit and vault installation throughout the WWTP has continued.

Anticipated Upcoming Work:

Anticipated upcoming work for the month of August includes the following activities:

- Install and concrete encase the 36-inch Mixed-Liquor and 18-inch Return Activated Sludge pipelines below Secondary Clarifier No. 2
- Form and pour the center footing of Secondary Clarifier No. 2
- Complete excavation of the Aeration Basin and install the Load Transfer Platform (LTP) for the Aeration Basin and begin concrete work for Secondary Clarifier No. 2
- Begin installation of electrical underground for the Blower Building and continue conduit installation throughout the WWTP

Areas of Risk for Potential Future Cost Increases:

Currently there are four major areas of contractual expenses: Construction, Construction Management, Engineering Services During Construction (ESDC), and Administration.

Construction costs, from the District's contract with Filanc, represent the largest component of expenses and financial risk. Costs associated with construction have remained stable to date with only minor Change Order work. With nearly 700 days remaining unforeseen construction costs may still arise. The \$3.1M in contingency funds for construction remain largely unused.

Costs associated with Construction Management from the District's contract with MNS remain unchanged to date. Exposure to cost overruns in this contract would likely occur if the Project Schedule is not met and Construction Management and Inspection Services are required to be extended.

Costs for ESDC are associated with the District's contract with Kennedy Jenks. This contract is necessary for the review of product submittals, and requests for information on the Plans and Specifications. Costs associated with this work are typically high at the beginning of a project and trail off toward the end. Currently the Project has exceeded its assumed rate of submittal reviews and Requests for Information. The Contractor and the District's team have had to accommodate more product changes and submittals due to the global pandemic's impact on supplies and materials. Filanc has largely been successful at sourcing materials and honoring bid pricing. However, these substitutions and changes need to be reviewed by the Designer to grant permission. It is these specific costs that are tracking high. The team will be working on a scope amendment for the ESDC that will be brought forward at a future board meeting.

Administration costs are associated with the District's contract with MKN. These costs continue to track within budget. Risks for cost overruns on this contract would largely be tied to contract duration.

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.

Attachments:

1. Construction Photos May 5 – July 30, 2021
2. MNS Monthly Report Executive Summaries – May, June, July 2021
3. WWTP Redundancy Project Budget Status – August 24, 2021



Concrete Duct_2021.05.05



Desilting Tank_2021.05.19



Settlement Monitoring Survey.
Vibro-Stone Column (VSC) Crane in background_2021.05.11



Site Overview 2021.06.03



Shoring, Well Drilling, & Excavation 2021.06.14



Dewatering Sump Adjacent to Primary Clarifier No.2_2021.07.15



Backfilling Excavation_2021.07.20



Secondary Clarifier No. 2 Load Transfer Platform Construction_2021.07.30

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$0.00
Current Price:	\$26,939,042.00	Change Order Percent:	0.00%
Notice to Proceed:	25 January 2021	To Date*:	\$1,403,067.00
Contract Time:	900 calendar days	This Period:	\$0.00
Contract Completion:	14 July 2023	Percent Complete:	8%
Schedule Completion:	14 July 2023	% of Time Lapsed: (126 calendar days)	14%
Liquidated Damages:	\$0.00		

* Accounts for progress payments approved prior to 31 May 2021.

May: Filanc completed compaction grouting and continued the Vibro Stone Column (VSC) installation and electrical trench work. Coordination with PG&E and AT&T has been completed for this phase of the project. Potholing the site continued.

June: In June, Filanc will complete the VSC installation and setup of the dewatering system and inclinometers. Installation of shoring will also begin.

Meetings this Month: Weekly Construction Meetings, Community Workforce Agreement Pre-Job Meeting, Submittal Workshops, Pismo Outfall Discussion

Key Project Indicator Grades:

Project Schedule:	A-	Safety:	A
Project Cost:	A	Contract Administration:	B

Critical Issues:

Community Workforce Agreement: The Project is in compliance with the CWA. To ensure continued compliance with the CWA, all subcontractors must submit a Letter of Assent and attend a Pre-Job Meeting prior to work on-site.

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

Long Lead Times: Long lead times on equipment is continually discussed as lead times are increasing industry wide. The Contractor is expediting submittals to the extent possible and is tracking lead times.

Risk Management Log: The Risk Management Log has been updated. Key Items at this stage of the Project include monitoring change orders, unintended consequences of construction, and unknown underground utilities.

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$0.00
Current Price:	\$26,939,042.00	Change Order Percent:	0.00%
Notice to Proceed:	25 January 2021	Change Orders Time:	-1 day
Contract Time:	900 calendar days	To Date*:	\$1,403,067.00
Current Contract Time:	899 calendar days	This Period:	\$0.00
Contract Completion:	13 July 2023	Percent Complete:	8%
Schedule Completion:	4 August 2023	% of Time Lapsed: (126 calendar days)	14%
Liquidated Damages**:	\$77,000.00		

* Accounts for progress payments approved prior to 30 June 2021.

** Liquidated Damages are not applied until Project completion.

June: Filanc completed the Vibro Stone Column (VSC) installation, dewatering system set up, and began the main zone excavation.

July: In July, Filanc intends to complete the excavation and installation of the load transfer platform, as well as continue installation of electrical conduit throughout the WWTP.

Meetings this Month: Weekly Construction Meetings, Submittal Workshop

Key Project Indicator Grades:

Project Schedule:	A-	Safety:	A
Project Cost:	A	Contract Administration:	B+

Critical Issues:

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

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

Settlement Monitoring: Settlement monitoring is being closely monitored daily.

Risk Management Log: The Risk Management Log has been updated. Key Items at this stage of the Project include monitoring change orders, dewatering volumes, unintended consequences of construction, and unknown underground utilities.

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$16,037.86
Current Price:	\$26,965,079.86	Change Order Percent:	0.01%
Notice to Proceed:	25 January 2021	Change Orders Time:	-1 day
Contract Time:	900 calendar days	Paid To Date*:	\$2,750,108.00
Current Contract Time:	899 calendar days	Paid This Period:	\$0.00
Contract Completion:	13 July 2023	Percent Complete:	12.6%
Schedule Completion:	1 August 2023	% of Time Lapsed: (186 calendar days)	20%
Liquidated Damages**:	\$66,500.00		

* Accounts for progress payments approved prior to 31 July 2021. June 2021 Pay Application is being revised.

** Liquidated Damages are not applied until Project completion.

July: Filanc continued dewatering and excavation of the main zone. Filanc passed inspection to install the load transfer platform within the Secondary Clarifier No.2 center column footing.

August: Filanc intends to complete the excavation and installation of the load transfer platform, begin concrete work on the Secondary Clarifier No.2, as well as continue installation of electrical conduit throughout the WWTP and in the Blower Building subgrade.

Meetings this Month: Weekly Construction Meetings, Cast-in-Place Concrete Pre-Construction meeting, Settlement Monitoring meeting, Seismic Sloshing Requirements Meeting, Dewatering Meetings

Key Project Indicator Grades:

Project Schedule:	A-	Safety:	A
Project Cost:	A	Contract Administration:	B+

Critical Issues:

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

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

Settlement Monitoring: Settlement monitoring is being closely monitored daily.

Dewatering Monitoring: Dewatering activities are being closely monitored daily. Project is in compliance with NPDES discharge requirements.

Risk Management Log: The Risk Management Log has been updated. Key Items at this stage of the Project include monitoring change orders, dewatering volumes, unintended consequences of construction, and unknown underground utilities.

SSLOCSD WWTP Redundancy Project Budget Status

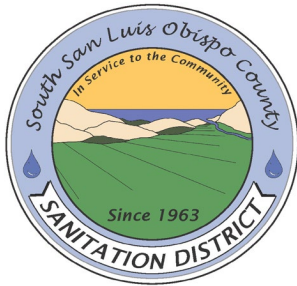
Updated

24-Aug-21

Description	Original Budget	Notes	Revised Budget	Notes	Earned Previously	Notes	This Period	Total Spent to Date	Balance to Finish
							(May - Jul-21)		
Construction Costs									
General Contractor									
Construction (Bid Price)	\$ 26,939,042		\$ 26,939,042					\$ -	
CCO#1 - Relocate existing water line	\$ -		\$ 16,038					\$ -	
Updated Construction Contract	\$ 26,939,042		\$ 26,955,080		\$ 1,403,067.00	7	\$ 2,701,672.86	\$ 4,104,739.86	\$ 22,850,340
Other Construction Costs									
PG&E Service Cost	\$ -		\$ 161,866	4	\$ 161,865.62		\$ -	\$ 161,865.62	\$ -
OCSD water fees	\$ -		\$ 700		\$ -		\$ 700.00	\$ 700.00	\$ -
Construction Contingency	\$ 3,353,911	1	\$ 3,175,307	4			\$ -	\$ -	\$ 3,175,307
Subtotal Construction + Construction Contingency	\$ 30,292,953		\$ 30,292,953		\$ 1,564,932.62		\$ 2,702,372.86	\$ 4,267,305.48	\$ 26,025,647.25
Professional Services Costs									
Engineering Design + Bid Suport + Engr Service During Construction (KU)	\$ 2,781,737		\$ 2,781,737		\$ 2,066,762.46		\$ 198,022.48	\$ 2,264,784.94	\$ 516,952
Engineering Design + Bid Phase Support	\$ 1,931,613		\$ 1,931,613					\$ -	
Engineering Services During Construction	\$ 850,124		\$ 850,124					\$ -	
Operations Services - Startup, Training, O&M (Estimated)	\$ 300,000		\$ 300,000		\$ -		\$ -	\$ -	\$ 300,000
Construction Management (MNS)	\$ 2,616,120		\$ 2,616,120		\$ 377,831.26	5	\$ 223,984.11	\$ 601,815.37	\$ 2,014,305
Legal/Admin Costs (Estimated)	\$ 669,921		\$ 705,758	3	\$ 268,292		\$ 16,372.12	\$ 263,157	\$ 442,601
Legal (Estimated)	\$ 50,000		\$ 50,000	3	\$ -		\$ -	\$ -	\$ 50,000
Admin (MKN)	\$ 500,093		\$ 535,930		\$ 202,471.84		\$ 16,372.12	\$ 218,843.96	\$ 317,086.04
Community Workforce Administration (Pacific Resources)	\$ 79,828		\$ 79,828		\$ 4,313.28		\$ -	\$ 4,313.28	\$ 75,515
Development of Community Workforce Agreement	\$ 40,000		\$ 40,000		\$ 40,000.00		\$ -	\$ 40,000.00	\$ -
Prequalification of Contractors	\$ 22,000		\$ 22,000		\$ 21,506.39		\$ -	\$ 21,506.39	\$ 493.61
County Permits, Inspections, and Related Fees (Estimated)	\$ 314,878		\$ 314,878		\$ 255,043.63		\$ 1,828.75	\$ 255,044	\$ 59,834
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		\$ 32,690.28		\$ 1,828.75	\$ 32,690.28	\$ 53,069
Construction photography	\$ -		\$ 3,600	6	\$ -		\$ 550.00	\$ 550.00	\$ 3,050
Subtotal of Soft Project Costs	\$ 6,704,656		\$ 6,744,093		\$ 2,989,435		\$ 440,757	\$ 3,406,858	\$ 3,337,236
Professional services contingency	\$ 397,000	2	\$ 361,163	3	\$ -			\$ -	\$ 361,163.00
Total (Budgets rounded up to the nearest \$10,000)	\$ 37,400,000		\$ 37,400,000		\$ 4,554,368		\$ 3,143,130	\$ 7,674,163	\$ 29,724,046

Notes:

1. Construction contingency is recommended at 12.45% based on 15% for estimated higher risk items and 10% for estimated lower risk items.
2. 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
3. Estimated total cost for Administrative Services has increased based on project duration. The professional services contingency was reduced accordingly.
4. PG&E Service costs were realized in February 2021. The construction contingency was reduced accordingly.
5. 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.
6. A budget for professional construction photography (anticipated to be quarterly or semi-annual drone flights) was added in Summer 2021.
7. Construction costs include the 5% contract retainage.



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.org

STAFF REPORT

Date: September 15, 2021
To: Board of Directors
From: Jeremy Ghent, District Administrator; Mychal Jones, Plant Superintendent
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*

Central Coast Blue:

- *No Update*

Misc:

- The Plant was audited by the Regional Water Quality Control Board on 06/29/2021. RWQCB Staff reviewed several components of plant operations including previous violations, plant conditions, our preventive maintenance program, standard operating procedures, lab conditions, chemical storage, etc. *The NPDES Inspection Report is attached. The Report indicated no corrections and no violations.*
- *Staff is recommending the Board consider canceling the October 6th meeting. Some Board members and alternates have been invited to participate in South County Chamber of Commerce Awards and Recognition Dinner on the evening of October 6th. Staff is recommending canceling the October 6th meeting and reconvening at the regularly scheduled meeting of November 3rd.*
- *District E-Mail Outage - The District experienced a prolonged email disruption from Tuesday August 24th thru Tuesday August 31st. The outage was a result of a failed Domain Name migration that Spectrum/Charter was undertaking. This failure affected several 100 Commercial Customers.*

Plant Tours:

The SLO County Public Works Groundwater Group brought 12 County employees to the Plant to tour the facility and construction Project.

Tentative Items:

- *Present Annual Audit 11/03/2021*

Attachment:

RWQCB NPDES Inspection Report

Plant Operations Report

During this reporting period (August 1st – August 31st) the District's facility exceeded its NPDES Permit limit for instantaneous maximum total chlorine residual on August 10th and daily maximum fecal coliform on August 27th. The Regional Water Quality Control Board has been notified. *All other process values were within Permit limitations.*

Monthly Plant Data for August 2021

August 2021	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	2.18	3.1	480	19.4		536	23		<1.8	188
High	2.87	4.2	754	29		780	35.3		*3500	297
Aug 2021 AVG	2.33	3.58	532	22.8	95.7	597	28.6	95.2	167	250
Aug 2020 AVG	2.36	3.7	531	22.5	95.8	601	29.5	95.1	10.5	354
Limit	5.0			40/60/90	>80		40/60/90	>80	2000	

Exceedance

The District exceeded its NPDES Permit limits for instantaneous maximum total chlorine residual on August 10th and daily maximum fecal coliform on August 27th. Both exceedances appear to be anomalies and staff have not identified the cause of the exceedances. There were no operational abnormalities observed and all laboratory analysis were within permit limitations prior to and immediately following the exceedance.

To mitigate reoccurrence, Operations staff have begun chemically enhanced primary treatment (CEPT) of both primary clarifiers. CEPT uses coagulants to combine solids and force them to settle more quickly. In addition, Operations staff performed a hydraulic flush of the Fixed Film Reactor followed by the draining and cleaning of the Chlorine Contact Tank. Both processes should enhance the treatment efficiency and assist with preventing further exceedances.

No mandatory minimum penalty will be assessed to the District for either exceedances from the Water Board.

Operation and Maintenance Tasks

- Reviewed and marked Underground Service Alerts
- Replaced #2 water valve outside of lab
- Reviewed plan for filling Digester No. 2 with water in preparation to bring back online
- Prepared all piping/hose, troubleshoot Elutriation pump, remove/add piping, and attachments
- Began filling Digester No. 2 with water, run pump during work hours, monitor progress
- Changed out fittings at eyewash stations
- Attended meeting to review/discuss HMI & PLC programming standards for SCADA
- Troubleshoot and determined faulty level meter at Digester No. 2 sump
- Replaced faulty sump level meter at Digester No. 2 with HydroRanger and control box for temporary fix. Adjusted meter setpoints to work within faulted parameters
- Checked and replaced oil and filters for air compressor

- Reviewed scope of work, reach out to vendor to request quote for confined space project at Headworks
- Installed AED to visible location within the office
- Reviewed plans & drawings for construction bypass project
- Worked with OCSD crew to remove tool from Digester No. 1 supernatant tube

Work Orders Completed

- Rinsed all surfaces of clarifiers
- De-ragged primary sludge pumps
- Flushed all sump pumps throughout plant
- Test ran emergency generator and emergency bypass pump
- Inspected and cleaned FFR orifices and collected oil sample from distributor drive
- Performed Monthly Safety Walk
- Calibrated backup chemical systems
- Preventative Maintenance:
 - Plant carts
 - Digester mixing pump
 - 6" trash pump
 - Clarifier drives
 - Water champ
 - Digester vacuum/pressure relief valves
 - Front Loader
 - Forklift
 - ISCO sampling units INF/EFF
 - Amiad Filters

Training

- Target Solutions

Call Outs

August 19th, 12:00 AM – High Wet Well Level Alarm. Operations staff responded and found the influent pumps nonoperational. The cause of the alarm was due to a failure of a UPS Battery Backup system which caused the influent pump control system to fail. Operations staff were able to bypass the battery backup to bring the influent pump control system back to operation. The system has since been changed and updated to prevent another failure.

District Staff









Central Coast Regional Water Quality Control Board

INSPECTION REPORT NPDES UNIT

OVERVIEW

Facility Name: South SLO Wastewater Treatment Plant

Discharger Contact: Mychal Jones, CPO

Address: 1600 Aloha Place, Oceano

Order Number and NPDES Permit No.: R3-2019-0002 and CA0048003

Date: June 29, 2021

Time: 8:30am

Type of Inspection: Compliance

Inspector(s): Leah Lemoine and Katie DiSimone (Central Coast Water Board); Anthony D'Angelo (PG Environmental)

Facility Representatives: Mychal Jones, Superintendent; Michael Arias, Operations Supervisor; Jeremy Ghent, District Administrator

Water Board staff who prepared this report: Leah Lemoine

Staff Contact Information: leah.lemoine@waterboards.ca.gov; 805-549-3159

Date of Last Inspection(s): March 14, 2012

CIWQS Violations: Recent violations include fecal coliform (4) and total residual chlorine (2) effluent violations between 2019 and 2012. The cause exceedances and corrective action were reported for all 6 violations.

BACKGROUND

On June 29, 2021, Central Coast Water Board Staff and a USEPA contractor inspected the South San Luis Obispo County Wastewater Treatment Facility in Oceano, CA. Discharges from the facility are regulated by Central Coast Water Board Order No. R3-2019-0002 (NPDES Permit No. CA0048003). The purpose of the inspection was to evaluate compliance with permit condition of Order No. R3-2019-0002 (NPDES Permit No. CA0048003).

The South San Luis Obispo County Sanitation District (Discharger) owns and operates the South San Luis Obispo Wastewater Treatment Facility (Facility). The Discharger provides sewerage service for the Cities of Arroyo Grande and Grover Beach. The

DR. JEAN-PIERRE WOLFF, CHAIR | MATTHEW T. KEELING, EXECUTIVE OFFICER

Facility's design capacity (design dry weather flow/dry weather monthly average) is 5.0 MGD. The primary on-site Facility representative stated that the average flow was 2.5 MGD and peak flow is 10 MGD.

The Facility provides secondary level treatment of wastewater. The treated effluent is combined with treated effluent from the City of Pismo Beach Wastewater Treatment Facility. The Facility also accepts brine wastes from nine industrial users, which is then mixed with the final treated wastewater prior to discharge. The treatment train in use at the Facility is as follows:

1. Headworks
 - Parshall flume flow meter
 - Mechanical bar screens (2) with washer compacter and manual bar screens (2)
 - Bypass pump (10 MGD) and 4 influent pumps (3,500 gpm each).
 - Wet well with level sensors
2. Grit King Grit Removal System and Splitter Box
3. Primary Clarifier 1 and 2
4. Fixed Film Reactor (FFR) Trickling Filter
5. Secondary Clarifier
6. Chlorine Contact Tank (CCT)
7. Solids Management
 - a. Centrifuge
 - b. Drying beds (10)

The Facility is under active construction due to a redundancy project. The purpose of the redundancy project is to provide redundancy for secondary treatment and nutrient removal for aeration basins to meet recycled water requirements¹. Phase 1 of the redundancy project, which is currently under construction, includes the addition of two aeration basins (one of which will be in operation at any given time) and a new secondary clarifier. Phase 1 also includes additional alarms in the SCADA system. Phase 2 of the redundancy project, which was funded with phase 1, includes rehabilitation of the existing secondary clarifier. The redundancy project is scheduled for completion by July 2023.

As part of the Coastal Development Permit (CDP 3-16-023, SSLOCSD WWTP Redundancy and Improvements), the Coastal Commission requires planning to consider alternative for future facility relocation away from coastal hazard risks. Included in this planning exercise are the following documents: Coastal Hazards Monitoring Plan, Life Expectancy Analysis, and a Coastal Hazards Response Plan (due in May 2022). The CDP permit includes check in points with the Coastal Commission in 2027 and 2037 to assess progress on meeting terms of the permit.

¹ South SLO WWTP, along with Pismo Beach Wastewater Treatment Facility will provide treated wastewater to Central Coast Blue, a regional recycled water project consisting of advance treatment and injection of recycled water into the Santa Maria Groundwater Basin.

The inspectors met with facility representatives upon arrival for an opening conference and then proceeded to tour the facility (in order from headworks to discharge) to visually evaluate the treatment train and site conditions in the presence of the primary on-site Facility representative. Inspectors determined that all mechanical treatment units were in good condition and functioning properly. A description of the discussions had during the opening conference and site tour are found below. The inspection checklist and sign in sheet can be found in Attachments A and B, respectively.

OPENING CONFERENCE, SITE TOUR, AND DISCUSSION

The CEI began at 8:30am with an opening conference during which time inspectors and facility representatives discussed plant and laboratory operations including staffing, treatment processes, preventative and corrective maintenance, SCADA and local alarming systems, and backup power supply. Following the kickoff meeting, facility staff lead a site tour for inspectors. The site tour started at 12:25pm and the sequence of the tour followed the treatment train of the facility. The descriptions below of facility infrastructure and operations are based on information shared by the facility operators during interviews conducted during the kickoff meeting as well as inspector observation.

Headworks

Headworks consists of a Parshall flume, 2 mechanical bar screens with a washer/compacter, 2 manual bar screens, and a wet well. The mechanical bar screens are equipped with local alarms (not incorporated into the SCADA system). The Parshall flume was replaced within the past year after the previous unit reached the end of its useful life. Two new pressure transducer level sensors were recently installed in the wet well. The Parshall flume and level sensors are calibrated annually.

The facility has four influent pumps, each 3,500 MGD. At the time of inspection, three were in operation and the fourth was offline due to a suspected blockage. The operator stated that they intend to drain the wet well to inspect the inoperable pump. There is also a 10 MGD bypass pump that can be used to route flow directly to the Grit King.

During the site tour, staff observed the wet well, manual and mechanical bar screens, Parshall flume, and influent pumps. The influent sampler temperature read 4 degrees Celsius. The area was clean, and all appeared to be functioning normally. Photos of the headworks can be seen in Appendix C photos 1 and 2.

Grit King and Splitter Box

After inspecting the headworks, the tour proceeded to the Grit King grit removal system, which was added to the treatment process in 2015. Prior to entering the Grit King, wastewater is dosed with ferric chloride at a rate of 120 ml per minute to assist with settling in primary clarifiers and with H₂S in digester. The dosing is checked weekly and modified as needed based on H₂S in digester. After leaving

the Grit King, flow is split to two primary clarifiers. Polymer is added at the splitter box at 10 mL/minute under suboptimal treatment conditions (e.g. during winter or if one clarifier is down) or when influent BOD and TSS are unusually high.

The area surrounding the Grit King, two 250-gal ferric chloride storage containers, and splitter box was clean of debris and no evidence of leaking or poor housekeeping practices were observed. Photos of the Grit King and splitter box can be seen in Appendix C photos 3 and 4.

Primary Clarification

From the splitter box, staff proceeded to primary clarifiers 1 and 2. Each clarifier has a diameter of 55 feet, an operational depth of 9 feet, and an average retention time of 3.5 hours. Both primary clarifiers were rehabilitated within the past 10 years, primary clarifier 1 in 2011 and primary clarifier 2 in 2019. Rehabilitation consisted of replacement of scraper blades, bridge, rotary drive unit, scum trough, as well as relining and coating of launder, and coating support mechanism, scraper mechanism, and effluent box. CEPT polymer was used during the rehabilitation to maintain treatment efficiency due to the reduction in retention time and overall capacity.

Typical preventative maintenance of the clarifiers includes monthly drive unit inspection and greasing sludge pumps, weekly cleaning of surfaces, and weekly deragging of primary pumps. The operator mentioned that there is a backup primary pump and the plant plans to purchase two primary sludge pumps for redundancy.

The area surrounding the clarifiers was clean and all appeared to be functioning normally. Photos of the clarifiers can be seen in Appendix C photos 5 through 7.

Fixed Film Reactor (FFR) Trickling Filter

Following inspection of the primary clarifiers, the tour proceeded to walk the perimeter of the FFR. Three 5-MGD pumps transport water from the primary clarifiers up through the center column of the FFR and along the distributor drive. Flushing occurs when operators observe a rise in BOD and TSS levels and this typically occurs quarterly. The secondary clarifier captures snail shells dislodged during the flushing process. The shells are then routed back to headworks via a sludge recirculation line and ultimately separated out in the Grit King. The operator noted that the bar screens at the headworks have helped to reduce rags into FFR.

Alarming on the FFR includes drive failure and failure of variable frequency drive (VFD) that moves the distributor arm. The VFD is the biggest risk to the FFR operation. Preventative maintenance includes weekly checks of the VFD, monthly sampling of the drive oil, and replacement of the oil every other month. A backup distributor drive is kept onsite but would take a week to replace. There is an irrigation system on site that can be set up to keep growth alive if distribution drive goes down.

The area was clean, and all appeared to be functioning normally. Photos of the FFR can be seen in Appendix C photos 8 and 9.

Secondary Clarifier

The secondary clarifier is slated for rehabilitation as part of the redundancy project. Preventative maintenance includes drive maintenance, draining of condensate, and testing of the overload switch. The scum box is pumped all the way back to headworks. If this secondary clarifier goes down, primary clarifier 2 can be used as a temporary secondary clarifier.

The secondary clarifier appeared to be functioning normally, although a moderate amount of fly larvae were observed floating on the water surface. Photos of the secondary clarifier can be seen in Appendix C photos 10 and 11.

Chlorine Contact Tank (CCT)

Effluent from the secondary clarifier is flash mixed with sodium hypochlorite, then pumped into the CCT. A 250-gallon tote of sodium hypochlorite was stored with secondary containment near the CCT. Fly larvae were observed floating in various points in the CCT. Alarming on the CCT includes inlet flow and high and low thresholds for oxidation reduction potential (ORP). There are no alarms on sodium hypochlorite pumps, although a backup disinfection system was installed in 2014 or 2015. The SCADA upgrade taking place on the existing plan will incorporate more alarms for disinfection. Serpentine chlorine contact tanks (CCT) are cleaned the day proceeding each FFR flush. All eight channels are cleaned in one day, with four drained and cleaned at a time. Drain and rinse water are routed back to headworks. Effluent sampling includes chlorine residual and oil and grease each before and after weir.

The area was clean, and all appeared to be functioning normally. The effluent sampler temperature read 3 degrees Celsius. Photos of the CCT and sodium hypochlorite storage can be seen in Appendix C photos 12 through 15.

Solids Management

Solids from the primary clarifiers are sent to anaerobic digesters at a rate of 26,000 gallons per day, then pumped to a second digester for stratification, and finally to either sludge drying beds or the centrifuge for further dewatering. The centrifuge reduces water content to about 25% to 28% solids. There are 10 sludge drying beds, 9 in use and serving as a storage bay for construction equipment. The brick wall along the backside of the drying beds has been recently raised to improve containment. All the sludge drying beds drain to headworks.

H₂S/sulfides are monitored in the digesters. No energy recovery mechanisms are in place on the digesters yet, but plant operators are considering adding an

energy recovery system by 2022. There is a cogeneration unit onsite, but a feasibility study determined the unit operation would not be cost effective. It has not operated since 2012. There is currently a rented centrifuge onsite and this rented unit is the only active centrifuge. Dried solids are hauled to Santa Maria every two weeks using three trucks.

Photos of the sludge drying beds and centrifuges can be seen in Appendix C photos 16 through 19.

The site tour concluded at 1:35pm.

Items that were discussed during the opening conference, but did not have a correlating component in the site tour are listed below:

Emergency Power

A 650-kW backup generator is located on site with enough fuel to run the generator for 50 hours at full capacity. The redundancy project includes the addition of a second backup generator. The plant does not have a Public Safety Power Shutoff (PSPS) exemption and thus must have seven days of fuel storage in the event power is shut off during fire season.

Brine Program

Brine program consists of nine industrial users which bring waste from water treatment systems including regenerative softeners and reverse osmosis. Included in these nine industrial users is the Cambria Wastewater Treatment Plant for disposal of reverse osmosis filter residual from the emergency desalination plant.

Flood Control

Existing flood control at the facility consists of a flood control wall and gate and pump protection. The third annual report was recently completed for the Coastal Hazards Monitoring Plan for which a ½" rain event prompts site assessment and photos.

Findings

Inspection staff did not observe violations of permit provisions of R3-2019-0002 (NPDES permits No. CA0048003).

Findings from the March 14, 2012 inspection indicated that oil and grease samples were found to not be collected directly into glass containers as required by 40 CFR 136.3. Additionally, staff concluded that biosolids did not appear to be adequately stored and contained, which resulted in a possible threat for groundwater contamination. On June 29, 2021, inspectors confirmed with the facility representatives at multiple points during the inspection that the proper sampling vessel was used for oil and grease sampling.

Further, inspectors noted upgrades to the biosolids drying facility including raising the level of the perimeter wall to improve containment of solids.