



**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
OCEANO COMMUNITY SERVICES DISTRICT,
1655 FRONT ST, OCEANO CA 93445**

Wednesday, August 2, 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 June 21, 2023

5C. Request Approval to Purchase Thomas Screw Conveyor

6. ACTION ITEMS:

6A. WWTP REDUNDANCY PROJECT UPDATE

Recommendation: Receive and File.

6B. AUTHORIZE EXECUTION OF CONTRACT AMENDMENT #7 FOR WWTP REDUNDANCY PROJECT CONSTRUCTION PHASE ENGINEERING SERVICES WITH KENNEDY/JENKS CONSULTANTS, INC., PENDING USDA CONCURRENCE

Recommendation: Authorize the District Administrator to execute a contract amendment for Construction Phase Design Engineering Services for the Wastewater Treatment Plant Redundancy Project with Kennedy/Jenks Consultants, Inc. in the amount of \$49,549, pending USDA concurrence.

6C. AUTHORIZE EXECUTION OF CONTRACT AMENDMENT #1 FOR WWTP REDUNDANCY PROJECT CONSTRUCTION MANAGEMENT SERVICES WITH MNS ENGINEERS, INC., PENDING USDA CONCURRENCE

Authorize the District Administrator to execute a contract amendment for Construction Management Services for the Wastewater Treatment Plant Redundancy Project with MNS Engineers, Inc., (MNS) in the amount of \$285,827 pending USDA concurrence.

6D. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT

Recommendation: Receive and File.

7. BOARD MEMBER COMMUNICATIONS:

8. ADJOURNMENT

The next regularly scheduled Board Meeting is September 6, 2023, 6:00 pm at the
Oceano Community Services District,
1655 Front St, Oceano CA 93445

WARRANT REGISTER
8/2/2023
FISCAL YEAR 2023/24

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
AMERICAN BUSINESS MACHINES	OFFICE SUPPLY'S	687560	062323-6925	8045	77.65	77.65
ARAMARK	EMPLOYEE UNIFORMS	06/19/2023	6926	7025	486.72	486.72
BEDFORD ENTERPRISES	RUBBISH	22575	6927	7093	39.41	39.41
CAREN RAY RUSSOM	BOARD SERVICE	JUNE 21, 2023	6928	7075	100.00	100.00
CHRISTOPHER RIGONI	BOOT ALLOWANCE	FY 23/24	6929	7025	250.00	250.00
ERIKA FROST	BOOT ALLOWANCE	FY 23/24	6930	7025	250.00	250.00
GSOLUTIONZ	COMMUNICATIONS	233658	6931	7013	356.62	356.62
II SUPPLY	SAFETY SUPPLY'S	92177	6932	8056	175.51	175.51
JONES & MAYER	LEGAL COUNSEL	MAY 2023	6933	7071	3,472.56	3,472.56
JUSTIN MUSICK	BOOT ALLOWANCE	FY 23/24	6934	7025	250.00	250.00
KAREN BRIGHT	BOARD SERVICE	JUNE 21, 2023	6935	7075	100.00	100.00
KENNEDY JENKS	REDUNDANCY	MAY 2023	6936	20-7080	14,087.50	14,087.50
LARRY WALKER & ASSOCIATES	TRUNK SEWER MAINTENANCE	00667.01-20	6937	8015	3,351.50	3,351.50
LINDA AUSTIN	BOARD SERVICE	JUNE 21, 2023	6938	7075	100.00	100.00
MARIO DE LEON	BOOT ALLOWANCE	FY 23/24	6939	7025	250.00	250.00
MCMASTER CARR	EQUIPMENT MAINTENANCE	99302161	6940	8030	238.31	238.31
MICHAEL ARIAS	BOOT ALLOWANCE	FY 23/24	6941	7025	250.00	250.00
MNS ENGINEERS INC	REDUNDANCY	MAY 2023	6942	20-7080	92,154.42	92,154.42
NBS CONSULTANTS	AGENCY BILLING	JULY TO SEPTEMBER	6943	7074	1,656.00	1,656.00
OCSO	PUBLIC OUTREACH	PUBLIC WORKS BBQ	6944		420.00	420.00
PG&E	ELECTRICITY	05/10/23-06/08/23	6945	7091	21,451.45	21,451.45
SAFETY KLEEN	CHEMICAL ANALYSIS	91829242	6946	7078	257.84	257.84
SDRMA	INSURANCE	FY 2023-24	6947	7043	82,234.77	82,234.77
USA BLUEBOOK	LAB SUPPLIES	PO #S 2023-205; 209	6948	8040	5,130.17	5,130.17
VWR INTERNATIONAL	LAB SUPPLIES	2023-204; 206; 210	6949	8040	2,123.57	2,123.57
WILLIAM ROMHILD	BOOT ALLOWANCE	FY 23/24	6950	7025	250.00	250.00
ADVANCED FLOW MEASUREMENT	EQUIPMENT MAINTENANCE	2023 COMPLIANCE CHECKS	070523-6951	8030	1,000.00	1,000.00
AGP VIDEO	PROFESSIONAL SERVICE	JUNE 2021	6952		650.00	650.00
ALLIED ADMINISTRATORS	DENTAL	AUGUST 2023	6953	6025	922.58	922.58
ANDRITZ SEPARATION	EMERGENCY REPAIR	PO 2023-212; 190	6954		25,957.08	25,957.08
ARAMARK	EMPLOYEE UNIFORMS	06/26; 07/03	6955	7025	1,075.68	1,075.68
BEDFORD ENTERPRISES	RUBBISH	22383	6956		150.00	150.00
BRENNTAG	PLANT CHEMICALS	BPI341663; BPI341664	6957	8050	23,602.98	23,602.98
CAL FIRE	STRUCTURE MAINTENANCE	FY 22/23	6958	8060	1,360.68	1,360.68
CHARTER COMMUNICATIONS	COMMUNICATIONS	06/29/23-07/28/23	6960	7013	319.96	319.96
COUNTY OF SLO ACTTC	LAFCO 23/24	LAFCO 23/24	6961	7069	16,378.38	16,378.38
CULLIGAN WATER	RENTAL EQUIPMENT	81825; 81604	6962	7032	300.00	300.00
DUPERON	STRUCTURE MAINTENANCE	24768	6963	26-8065	6,347.78	6,347.78
ELECTRICRAFT	EQUIPMENT MAINTENANCE	18752	6964	8030	315.70	315.70
EVERYWHERE RIGHT NOW	COMPUTER SUPPORT	JULY 2023	6965	7082	100.00	100.00
GSOLUTIONZ	COMMUNICATIONS	234051	6966		72.95	72.95
II SUPPLY	EQUIPMENT MAINTENANCE	MULTIPLE	6967	8030	5,874.13	5,938.72
	SAFETY SUPPLY'S	MULTIPLE		8056	64.59	
INTERSTATE BATTERIES	EQUIPMENT MAINTENANCE	10015072	6968	8030	150.80	150.80
JB DEWAR	FUEL	251932	6969	8020	213.45	213.45
JR FILANC	REDUNDANCY	MAY 2023	6970	20-7080	711,255.99	711,255.99
LINDE GAS & EQUIPMENT	EQUIPMENT RENTAL	36655667	6971	7032	44.39	44.39
MCCLATCHY COMPANY	ADVERTISING AND PUBLISHING	200541	6972	7005	112.33	112.33
MCMASTER CARR	EQUIPMENT MAINTENANCE	MULTIPLE	6973	8030	583.10	583.10
MICHAEL K NUNLEY & ASSOC.	REDUNDANCY	102869	6974	20-7080	7,375.52	7,612.42
	CENTRAL COAST BLUE	102870			236.90	
MINERS	EQUIPMENT MAINTENANCE	JUNE 2023	6975	8030	420.75	420.75
OILFIELD ENVIRONMENTAL	CHEMICAL ANALYSIS	MULTIPLE	6976	7078	405.00	405.00
READY REFRESH	ADMIN OFFICE SUPPLY'S	05/25/2023-06/24/2023	6977	8045	59.13	59.13
RGS	HUMAN RESOURCES	MAY 2023	6978	7076	1,740.35	1,740.35
RINCON CONSULTANTS	BIOLOGICAL MONITORING	48969	6979	20-7080	2,277.50	2,854.00
	COASTAL HAZARDS MONITORING	48405			576.50	
SM TIRE	EQUIPMENT MAINTENANCE	523816	6980	8030	434.75	434.75
SO CAL GAS	UTILITY GAS	05/31/23-06/29/23	6981	7092	3,437.10	3,437.10
SO COUNTY SANITARY	RUBBISH	JULY 2023	6982	7093	365.49	365.49
SSLOCSO	EMPLOYEE BENEFITS/PAYROLL	JUNE 2023	6983		112,262.04	112,262.04
UMPQUA BANK	CREDIT CARD	JUNE 2023	6984		3,242.23	3,242.23
WW GRAINGER	EQUIPMENT MAINTENANCE	MULTIPLE	6985	8030	883.35	2,013.18
	SAFETY SUPPLY'S	MULTIPLE		8056	1,129.83	
SUBTOTAL					1,161,212.99	1,161,212.99

Continued on Next Page

WARRANT REGISTER CONTINUED
8/2/2023
FISCAL YEAR 2023/24

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
ARAMARK	EMPLOYEE UNIFORMS	07/10/2023	071323-6986	7025	503.16	503.16
AT&T FIRST NET	COMMUNICATIONS	06/03/23-07/02/23	6987	7013	80.48	80.48
BRENNTAG	PLANT CHEMICALS	BPI354833	6988	8050	12,471.94	12,471.94
CITY OF ARROYO GRANDE	AGENCY BILLING	APRIL, MAY, JUNE	6989	7073	5,558.75	5,558.75
COASTAL ROLLOFF	RUBBISH	JUNE 2023	6990	7093	858.10	858.10
ENGEL & GRAY	BIOSOLIDS HANDLING	JUNE 2023	6991	7085	7,532.03	7,532.03
FGL ENVIRONMENTAL	CHEMICAL ANALYSIS	380978A	6992	7078	3,926.00	3,926.00
JR BARTO HEATING AND AC	EQUIPMENT MAINTENANCE	C1724	6993	8030	1,527.00	1,527.00
NVIRO	EQUIPMENT MAINTENANCE	2991	6994	8030	600.00	600.00
PERC WATER	REDUNDANCY	6095	6995	20-7080	6,372.00	6,372.00
PHENOVA	CHEMICAL ANALYSIS	2023-211	6996	7078	620.39	620.39
POLYDYNE	PLANT CHEMICALS	1753314	6997	8050	8,425.43	8,425.43
SECURITAS TECHNOLOGY	ALARMS	6003464939	6998		80.08	80.08
SLO CO. APCD	PERMITS	23014	6999	20-7080	935.55	935.55
SPRINT	COMMUNICATIONS	06/04/23-07/03/23	7000	7014	87.10	87.10
SSLOCSD	TRANSFER	PERS UNFUNDED ACCRUED LIABILITY	7001		109,658.00	109,658.00
WINEMA INDUSTRIAL SUPPLY	CHEMICAL ANALYSIS	6450	7002	7078	235.39	235.39
AIRGAS USA	SAFETY EQUIPMENT	9139906905	72623-7003	8056	1,218.35	1,218.35
AMERICAN BUSINESS MACHINES	OFFICE SUPPLY'S	692008	7004	8045	77.65	77.65
AMIAD USA	EQUIPMENT MAINTENANCE	7300117461	7005	8030	80.32	80.32
ARAMARK	EMPLOYEE UNIFORMS	07/17; 07/24	7006	7025	1,005.35	1,005.35
BRENNTAG	PLANT CHEMICALS	BPI358138	7007	8050	12,999.11	12,999.11
CITY OF GROVER BEACH	AGENCY BILLING	JUNE 2023	7008	7081	1,943.50	1,943.50
COAST CART	CAPITAL EQUIPMENT	CUSHMAN TITAN CART	7009	26-8010	15,400.90	15,400.90
COASTAL JANITORIAL	STRUCTURE MAINTENANCE	JULY 2023	7010	8061	775.00	775.00
FOUR STAR AUTO SERVICE	AUTOMOTIVE MAINTENANCE	0085405	7011	8032	119.00	119.00
GSOLUTIONZ	COMMUNICATIONS	234328	7012	7013	356.62	356.62
JONES & MAYER	LEGAL COUNSEL	JUNE 2023	7013	7071	2,004.23	2,004.23
KEMIRA WATER SOLUTIONS	PLANT CHEMICALS	9017798241	7014	8050	14,323.54	14,323.54
MCMaster CARR	EQUIPMENT MAINTENANCE	MULTIPLE	7015	8030	1,009.69	1,009.69
MNS ENGINEERS, INC	REDUNDANCY	JUNE 2023	7016	20-7080	71,924.89	71,924.89
OILFILELD ENVIRO COMPLIANCE	CHEMICAL ANALYSIS	2305165	7017	7078	103.50	103.50
PG&E	ELECTRICITY	06/09/23-07/10/23	7018	7091	31,899.47	31,899.47
PHENOVA, INC	CHEMICAL ANALYSIS	195738	7019	7078	328.49	328.49
RA BATCHELOR COMPANY	EQUIPMENT MAINTENANCE	9208	7020	8030	400.00	400.00
THE BANK NEW YORK MELLON		CTU2005805; CTU2003395	7021		722,921.88	722,921.88
UNDERGROUND SERVICE ALERT	MEMBERSHIPS	MEMBERSHIP FEE 2023	7022	7050	300.00	300.00
USA BLUEBOOK	EQUIPMENT MAINTENANCE	MULTIPLE	7023	8030	2,126.72	2,126.72
VWR INTERNATIONAL	LAB SUPPLIES	2023-213	7024	8040	632.45	632.45
SUBTOTAL					1,041,422.06	1,041,422.06
GRAND TOTAL					2,202,635.05	2,202,635.05

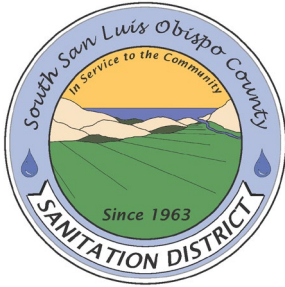
We hereby certify that the demands numbered serially from 062323-6925 to 072623-7024 together with the supporting evidence have been examined, and that they comply with the requirements of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT. The demands are hereby approved by motion of the SOUTH SAN 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, June 21, 2023

1. CALL TO ORDER AND ROLL CALL

Chair Caren Ray Russom called the meeting to order and recognized a quorum.

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

District Staff: Keith Collins, District Legal Counsel
Michael Arias, Interim 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 May 17, 2023

There was no public comment.

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

Second: Director Austin

Action: Approved unanimously by roll call vote.

6. ACTION ITEMS:

6A. ADOPTION OF RESOLUTION 2023-447 FOR COLLECTING FISCAL YEAR 2023-24 DISTRICT ANNUAL WASTEWATER TREATMENT CHARGES FROM THE COMMUNITY OF OCEANO THROUGH THE COUNTY PROPERTY TAX ROLL

Bookkeeper Amy Simpson presented this item in PowerPoint.

There was no public comment.

Motion: Director Bright motioned to approve Resolution No. 2023-447 authorizing the transmittal of the report to the County to collect District wastewater treatment charges from the OCSD service area for Fiscal Year 2023-24 on the County Property Tax Roll.

Second: Director Austin

Action: Approved unanimously by roll call vote.

6B. PUBLIC HEARING AND ADOPTION OF RESOLUTION NO. 2023-448 APPROVING BUDGET FOR FISCAL YEAR 2023-24

Bookkeeper Simpson presented this item in PowerPoint. The FY 2023/24 Budget anticipates a balanced budget of \$10,317,000 in both Revenues and Expenses. A large portion of the proposed budget is the Redundancy Project.

There was no public Comment.

Motion: Director Austin moved to approve the Budget for the 24/24 Fiscal Year.

Second: Director Bright

Action: Approved unanimously by roll call vote.

6C. PLANT OPERATIONS REPORT

Interim Superintendent Michael Arias presented this report. During the reporting period of May 1st- May 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.

The Board had a brief discussion regarding the Plant Operations Report. Mr. Arias responded to the questions and said the OPR (Oxidation Reduction Potential) system has corrected itself and a Redundancy Project update will be on the next Agenda.

Action: The Board received and filed this report.

7. BOARD MEMBER COMMUNICATIONS

The Board asked for an update on the materials for the Redundancy Project. Mr. Arias let the Board know that the District received confirmation that the materials for the Project have shipped but the date of arrival is still unknown.

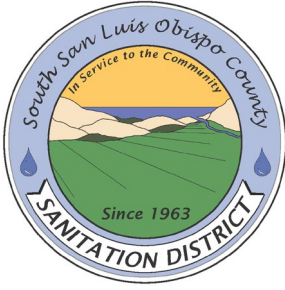
The July 5th meeting has been cancelled and the next meeting will be at the Oceano Community Services District.

8. ADJOURNMENT:

6:34 p.m.

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

DRAFT



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: August 2, 2023

Via: Michael Arias, Interim Plant Superintendent

**Subject: REQUEST APPROVAL TO PURCHASE THOMAS SCREW
CONVEYOR**

RECOMMENDATION:

1. That the Board of Directors approve and authorize the District Administrator to purchase a Thomas screw conveyor in the amount of \$30,266.61, plus related shipping charges.
2. Authorize staff to dispose of old screw conveyor.

BACKGROUND:

The District has budgeted for the replacement of the screw conveyor portion of the Andritz centrifuge unit. This is a necessary component of the Andritz dewatering centrifuge which carries the biosolids from the discharge point of the centrifuge to the biosolids storage bay outside the building. Primary components of the conveyor include a screw auger and an enclosed trough. Repairs to the auger have been made in recent years and the underside of the trough has deteriorated to the point that biosolids are falling through. Due to the condition of these components replacement has become necessary.

DISCUSSION:

Thomas Conveyor Company has provided the only quote for this job. Thomas Conveyor is the contracted provider of screw conveyors to the Andritz centrifuge company. As such they have all of the original measurements for the District's conveyor.

Fiscal Consideration:

Capital Replacement Funding for the screw conveyor is included in the Adopted Budget for Fiscal Year 2023-2024 under Fund 26. Staff recommends that budgeted funds be used for purchase of the screw conveyor.

Attachment:

Thomas Conveyor Company quote



Thomas
555 N. Burleson Blvd.
Burleson, TX 76028
USA
817-295-7151

Quotation

Number	1905648-1
Page	1 of 3
Date	7/10/2023

Sold To:

South San Luis Obispo County Sanitation District
1600 Aloha Place
Oceano, CA 93445
USA

Attn: Billy Romhild

Quote is valid for 30 days

Currency: USD

FOB Shipping Point

Scheduled ship date: 35 work days

Acct: 26-8065 P.O. #: 2023-223

PLEASE NOTE:

Pricing is subject to change due to design changes or material volatility.

Third-party supplied items are quoted based on current availability, and may be subject to change before shipment.

Item number	Description	Search name	Quantity	Unit	Price	Amount
0669027M	MTO SCREW CONVEYOR 12" X 28' LONG CARBON STEEL SCREW CONVEYOR PAINTED GRAY CONVEYOR IS ASSEMBLED WITH A 15 H.P. @ 45 R.P.M. DRIVE TO BE MOUNTED ON INTAKE END IN THE M1 POSITION ON A 30 DEG INCLINE CONSISTING OF THE FOLLOWING COMPONENTS: 2 - 12CTF7-12 12"X3/16"X12' TROUGH 6" SCH 40 DRAIN PIPE WITH 1/4" THK 150# FLANGE 1/2" X 3" LG PIPE NIPPLE 1 - MTO CONVEYOR TROUGH 12" U-SHAPE TROUGH, 3' 11 1/2" O.A.L., CONSTRUCTED FROM 3/16" THK CARBON STEEL MATERIAL FITTED WITH STD 12TSD7, 3/16" THK DISCHARGE, LOCATED 9 7/8" ON CENTER FROM DISCHARGE END. 1 - 12TEF5-BB-P 12" T/E W/FT FOR RB/BB 1 - 12TE5-BB-P 12" T/E L/FT FOR RB/BB 1 - 2 7/16" FLANGED BALL BEARING 1 - CSW5 2 7/16" WASTE PACK SEAL 2 - 12TFF 12" TROUGH FOOT 4 - 12TFG-B 12" BLACK NEOPRENE FLANGE GASKET 1 - MTO SCREW HELICOID 12" O.D. X 8" PITCH X 3/16" THK RIGHT HAND CARBON STEEL HELICOID FLIGHTING SKIP WELDED WITH A CEMA II WELD FINISH TO A 3" CARBON STEEL SCH. 40 PIPE BOTH ENDS BUSHED & 3-BOLT DRILLED FOR A 2 7/16" COUPLING 3/8 THICK BOLT-PADS INTAKE END 12" DIA X 3/8" THK DEFLECTOR DISK 13' 9" O.A.L. 1 - MTO SCREW HELICOID STARTING AT INLET END 1ST 12' 8 1/2" TO BE 12" O.D. X 8" PITCH X 3/16" THK RIGHT HAND CARBON STEEL HELICOID FLIGHTING 2ND 8" TO BE BARE PIPE LAST 4 1/2" TO BE 12" O.D. X 8" PITCH X 3/16" THK	SC-12	1.00	EA	30,266.61	30,266.61



Thomas
555 N. Burleson Blvd.
Burleson, TX 76028
USA
817-295-7151

Quotation

Number
Page
Date

1905648-1
2 of 3
7/10/2023

- LEFT HAND 1008AKDQ CARBON STEEL SECTIONAL FLIGHTS
SKIP WELDED WITH A CEMA II WELD FINISH
TO A 3" CARBON STEEL SCH. 40 PIPE
BOTH ENDS BUSHED & 3-BOLT DRILLED
FOR A 2 7/16" COUPLING
3/8 THICK BOLT-PADS INTAKE END
13' 9" O.A.L.
- 9 - CCB5-H
5/8X4 3/8 CPLG BOLT & NUT GR5
 - 3 - 40C344CB5
5/8X5 3/8 CNVBLT GR5
5/8-11 UNC X 5 3/8" LG CONVEYOR BOLT; GRADE 5
 - 1 - CE5BB-W-3
2 7/16"X14-3/8" END SHFT 3BLT
 - 1 - CC5-3
2 7/16" COUPLING SHAFT 3 BOLT
 - 1 - 12CH2265
12" X 2 7/16" 226 HANGER
 - 1 - CHB2205U
2 7/16" STY 220 UHMW BRG
 - 1 - MTO MH COVER
NOM 12" FLANGED TROUGH COVER X 5' O.A.L.
18" WIDE TO FIT OVER STD TROUGH TOP RAILS,
CONSTRUCTED FROM 10GA THK CARBON STEEL MATERIAL
WITH (20) 3/8" DIA BOLT HOLES SPACED APPROX 6" O.C.
FITTED WITH STD 12CIF, 3/16" THK INLET,
LOCATED 12 1/2" ON CENTER FROM COVER EDGE.
 - 4 - MTO MH COVER
NOM 12" FLANGED TROUGH COVER X 5' O.A.L.
18" WIDE TO FIT OVER STD TROUGH TOP RAILS,
CONSTRUCTED FROM 14GA THK CARBON STEEL MATERIAL
WITH (10) 3/8" DIA BOLT HOLES SPACED APPROX 12"
O.C.
 - 1 - MTO MH COVER
NOM 12" FLANGED TROUGH COVER X 3' 4" O.A.L.
18" WIDE TO FIT OVER STD TROUGH TOP RAILS,
CONSTRUCTED FROM 14GA THK CARBON STEEL MATERIAL
WITH (8) 3/8" DIA BOLT HOLES SPACED APPROX 12" O.C.
 - 5 - 12BLF10
12" FLANGED BUTTSTRAP LOOSE
 - 59 - BN200
1/8" X 2" BLACK NEOPRENE
 - 15 - BN400
1/8" X 4" BLACK NEOPRENE
 - 1 - NORD CLINCHER GEARBOX ASSEMBLY
15 H.P. AT 48 R.P.M.
NORD CLINCHER ASSEMBLED DRIVE
DRIVE TO BE INSTALLED IN THE M1 POSITION
(1) 15 HP; 1770 RPM; 3/60/230-460 V; TEFC; 254TC
FRAME; TOSHIBA MOTOR
(1) CLINCHER SK7382 REDUCER, 36.92:1 RATIO W/ NEMA
250TC MOTOR ADAPTER
(1) 2 7/16" DIA. 1045 CARBON STEEL DRIVE SHAFT W/
SCREW CONVEYOR ADAPTER
(1) VL BEARINGS
(1) SHAFT COVER
 - 1 - MH-TAG
MH NAMEPLATE
 - 1 - LOT OF ASSEMBLY BOLTS
 - 1 - GENERAL ARRANGEMENT DRAWING
- APPROX. SHIPPING WEIGHT 3122 LBS.



Thomas
555 N. Burleson Blvd.
Burleson, TX 76028
USA
817-295-7151

Quotation

Number	1905648-1
Page	3 of 3
Date	7/10/2023

Total:	30,266.61
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Thank you for the opportunity to quote, Nicolas Martinez

Notes, Exceptions, and Clarification of Customer Specifications:
per customer request



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: August 2, 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 floor slab was discovered. Filanc had begun draining secondary clarifier 2 (SC2) the week prior to prepare for commissioning of the aeration basins. On the morning of July 10th, upon returning to the site, it was found the clarifier mechanism had stopped operating because an over-torque alarm had shut down the motor and there was more water in the tank than expected. It seemed the mechanism may have gotten stuck on something, putting more pressure/torque on the drive motor. Filanc drained the tank to investigate. As the water level dropped, it became apparent that water was coming up through the floor adjacent to the mechanism arm. As the water level became lower, a "grout bubble" could be seen. The floor design included a reinforced concrete floor with 2 inches of grout overtop. The grout had lifted up away from the floor in an area of the floor and a crack formed at the top where groundwater was flowing out.

At the construction meeting on Tuesday July 11th, Kennedy Jenks (KJ) directed Filanc to carefully break out the grout layer that had delaminated from the structural slab. This work commenced on Wednesday July 12th, after the clarifier had been washed down and drained. The source of the water leak was found in the structural slab, approximately four-and-a-half feet from the inside face of the clarifier wall. Additionally, the clarifier mechanism is canted, with arms deflected by approximately 8 inches.

This unanticipated issue at SC2 will have schedule and budget impacts, the extent of which is unknown at this time. The Project Team is working to determine the cause and 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 under the Project Management contract to assist in review of the findings and recommendations. Additionally, MNS performed a survey of the clarifier floor. Results from these investigations are expected within the coming weeks. Although the cause is unknown, at this time there is no indication that it was due to an unknown site condition, earthquake, or some other Act of God, of which the District would hold the risk for. As information becomes available and a recovery plan is developed, District staff will report back to the Board.

This quarterly Project update covers the months of February through June 2023. The schedule has been 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).

Schedule Summary:

Notice to Proceed:	January 25, 2021	Contract time elapsed	856
Original Contract Duration	900	Contract time remaining	48
Current Contract Duration	904	Change order days:	4
Current Contract Completion Date	July 18, 2023	Weather days:	5
Schedule Completion Date	September 20, 2023		

Percent complete by time	94.6%		
Notes: 1. Durations are in calendar days. 2. Schedule summary drafted on July 21, 2023.			

The Contractor's June 1, 2023 Schedule Update indicated completion on September 20, 2023; 64 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.

Budget Summary:

The budget summaries were drafted on July 14, 2023 and 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	\$25,779,810.72
Contract Changes	\$422,690.05		
Current Contract	\$27,361,732.05		
Change Order Percent	1.54%	Percent Complete by Cost	94%

Change Order #12 was executed in February. Change Order #12 included several PCO's, when summed together, resulted in a \$8,012.40 credit to the District.

Change Order #13 was executed in April to capture several changes in scope, increasing the total project cost by \$31,349.64. Due to a conflict with an existing duct bank, the floodwall footing for the Generator Building along the access road needed to be a pier type footing and represented the majority of the additional project cost.

Change Order #14 was executed in May and increased the total project cost by \$12,209.72. Change Order #14 included installation of bird deterrents and the installation of hoses and hose racks on the secondary clarifiers.

Change Order #15 was executed during the month of June to capture a couple of scope changes for \$2,579.92, including isolation valve finishes (valve boxes and concrete aprons) and a credit for a gate valve that was not needed and was restocked.

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 – 14)	\$442,690.05	-	-
<i>Subtotal Current Construction Contract (Bid Price + Change Orders)</i>	\$27,361,732.05	\$25,779,810.72	\$1,581,921.33
Construction Contingency	\$2,738,655	-	\$2,738,655
Other Construction Costs (1)	\$192,566	\$182,153.78	\$10,411.84
<i>Subtotal (Construction + Construction Contingency + Other Construction Costs)</i>	\$30,292,953	\$25,961,964.50	\$4,330,988.23
Professional Services Costs	\$7,006,048	\$6,336,367	\$669,681
Professional Services Contingency	\$100,922	-	\$100,922
Total	\$37,400,000	\$32,298,332	\$5,101,590
Notes: (1) Other Construction Costs include PG&E Service costs, OCSD water fees, and project-related electrical and SCADA work required for existing processes.			

Summary of Work:

February

- Concrete rehabilitation work on Secondary Clarifier 1 (SC1) was completed and preparation for installation of the SC1 center column continued.
- Demolition within the SC1 scum pump room continued
- Cleanup of the decommissioned dewatering system continued
- Duct bank work continued, and Taft Electric continued work on electrical troubleshooting and punch list items identified by MNS

March

- SC1 mechanism arrived. Portions were coated on site. Other portions were prime coated and will be finish coated on site.
- SC1 center column was set in position
- SC1 return activated sludge (RAS) wet well concrete fillet was placed and the structure hydrostatic testing was initiated
- Handrail installation at the rotary drum thickener (RDT) continued

- The storm drain installation at SC1 was completed
- Reinstallation of the chemical piping completed
- Duct bank along the west side of the site was installed
- Duct banks for SC1 and Aeration Feed Control Box installed
- Grading of the site began and flat work install continued
- Portion of the Generator Building Floodwall was placed
- Taft Electric conducted inspection and testing on the EATON gear. Several issues were identified and have been submitted via request for information (RFI) for the Design Engineer's review of the fixes proposed.
- Taft Electric continued pulling wire and landing terminations at the RDT, SC1, Aeration Basins, etc.
- TSI conducted loop checks on installed instrumentation.

April

- Coating and installation of the of SC1 mechanism continued
- SC1 RAS wet well installation completed and installation of the pumps and interior piping proceeded.
- SC1 RAS equipment concrete pad was placed and piping installed
- Cleanup of the decommissioned dewatering system continued
- Final grading is in progress with weed barrier and Class II aggregate base being installed along the western portion of the job site
- Jeffco completed the coating of the SC1 mechanism and the coating of the site ductile iron pipe
- JR Barto installed trim on the Blower Building doors and louvers
- Aerzen completed functional testing of the blowers. All three blowers were run successfully and initial operational training was conducted on the Operators
- Energy Systems conducted training for the new generator and permanent power was established to the SC1 mechanism
- Taft Electric continued pulling wire and terminating for various pieces of equipment, staying ahead of the mechanical startups

May

- Filanc continued functional testing of equipment, including the pumps, diffusers, mixers, gantry crane, and SC1 mechanism.
- SC1 grout was placed, as well as checkout and training conducted for staff for the SC1 mechanism.

- Filanc performed Startup of Phase C from May 23 through May 30, 2023. While the equipment functioned throughout the Start Up Phase, punchlist issues identified with the motor management relay postponed the Commissioning of Phase C.
- Filanc continued site work, beginning the installation of weed barrier and Class II base, as well as re-installation of tracer wire and site grading for the paved areas of the plant.
- Taft Electric continued wiring at the SC1, RDT and Aeration Basins, as well as continued troubleshooting and fixing on-going issues with the Motor Control Center (MCC)
- JR Barto completed the wiring of the exhaust fans in the Blower Building
- Jeffco performed touchups on piping and SC1 mechanism
- JWC, the RDT manufacturer, performed a dry checkout of the equipment

June

- Filanc completed the Commissioning of Phase C on June 21, 2023, after which WWTP operation was transferred from SC2 to SC1
- Site work continued including fine grading, Class II base install, curb and gutter install, and dewatering well finishes/abandonments.
- Taft Electric continued wiring at the Aeration Basins, installing the flow control valves and DO probes, as well as continued troubleshooting and fixing issues at the Motor Control Center (MCC).

Anticipated Upcoming Work:

Anticipated upcoming work includes the following activities:

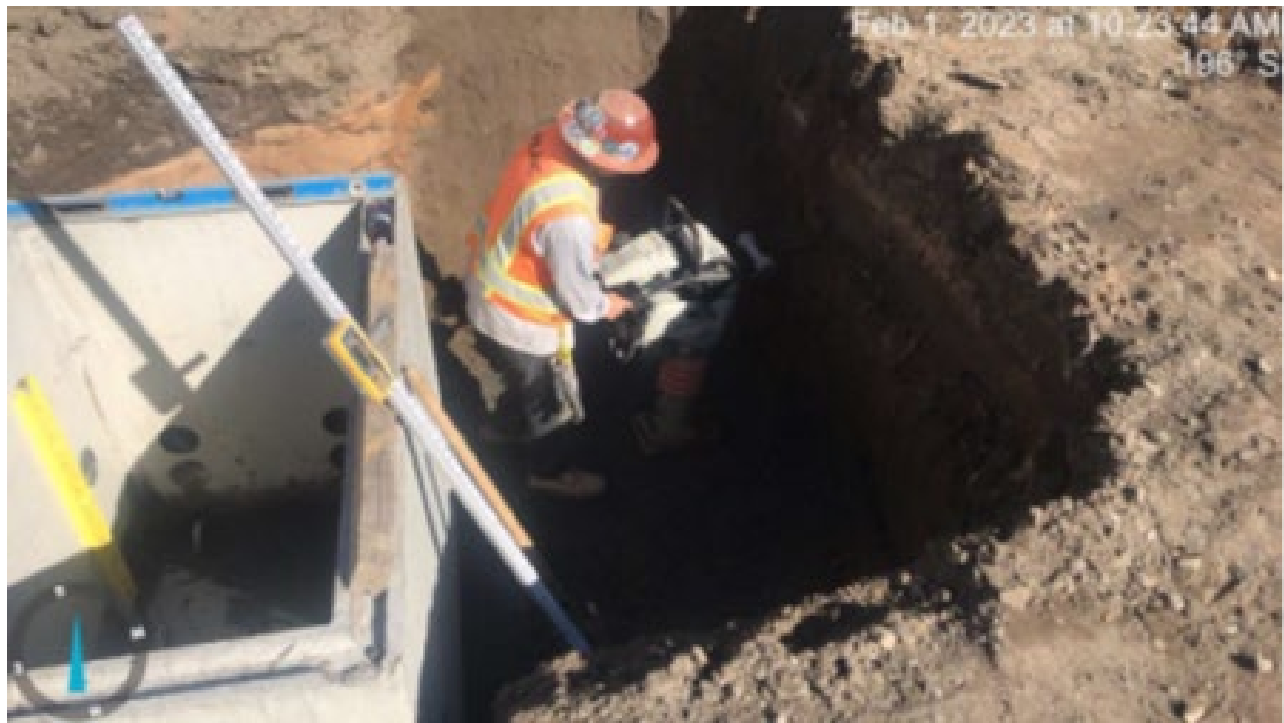
- Repair of SC2 is required prior to functional checkout and testing of the SC2 equipment, and then Startup for Phase D. The District's team will continue investigations into the cause of the failure and development of recommended repair.
- Filanc will perform the 14-day startup of equipment at the Aeration Basins.
- Continued site work, including concrete flatwork, fine grading, etc.
- Complete work on the floodwall at the generator building and complete the pipeline tie-ins at the Heating & Mixing Building
- Taft Electric will install the lighting at the Aeration Basins, complete punchlist items on the MCC and IO loop checks.
- TSI and Autosys Inc will be on-site to perform SCADA testing.
- Delivery of the new mechanism for Primary Clarifier 1 has been delayed and is now anticipated mid-September 2023.

Fiscal Consideration:

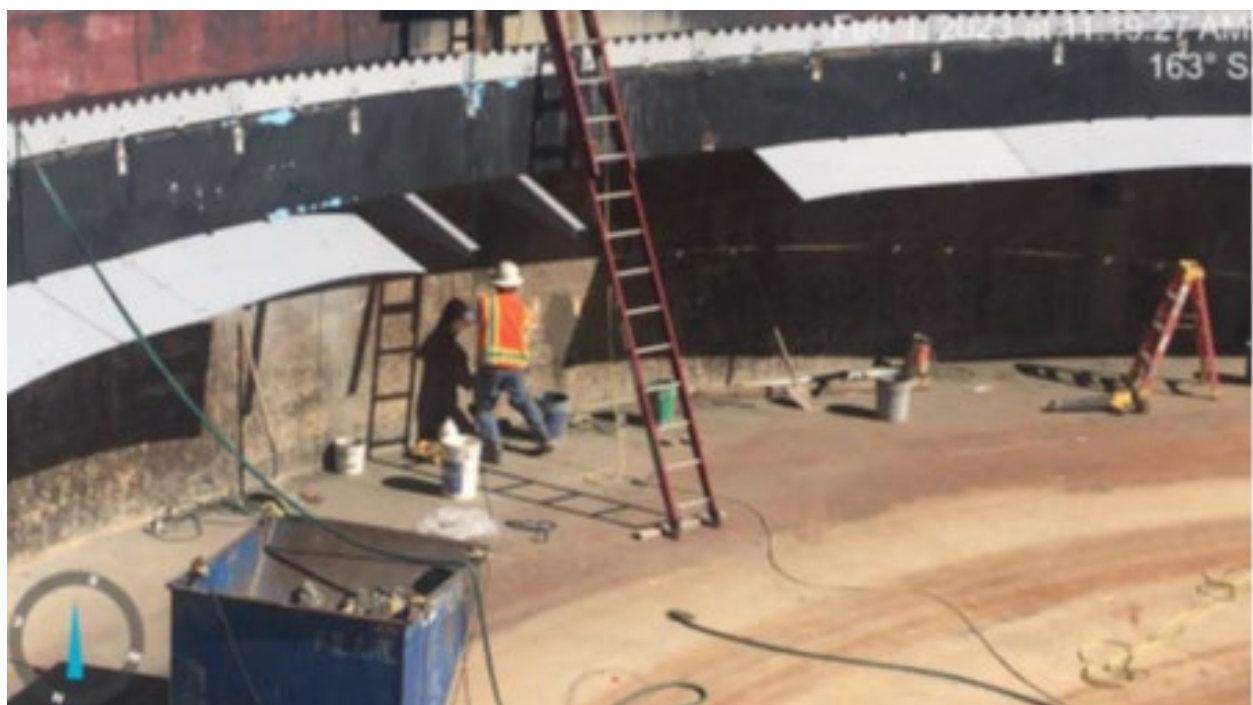
The WWTP Redundancy Project budget and financing plan were updated after bids were received in November 2020. The project is being financed through Certificates of Participation and a loan from USDA Rural Development. Project costs are consistent with the budget at this time.

Attachments:

1. MNS Monthly Report Executive Summaries – February 2023, March 2023, April 2023, May 2023, June 2023
2. WWTP Redundancy Project Budget Status – July 14, 2023



Compaction at Vaults_02.01.2023



Concrete Repair of Secondary Clarifier No. 1_02.01.2023



Ductbank Excavation_2.2.2023



Conduit Installation South Aeration Basin_2.8.2023



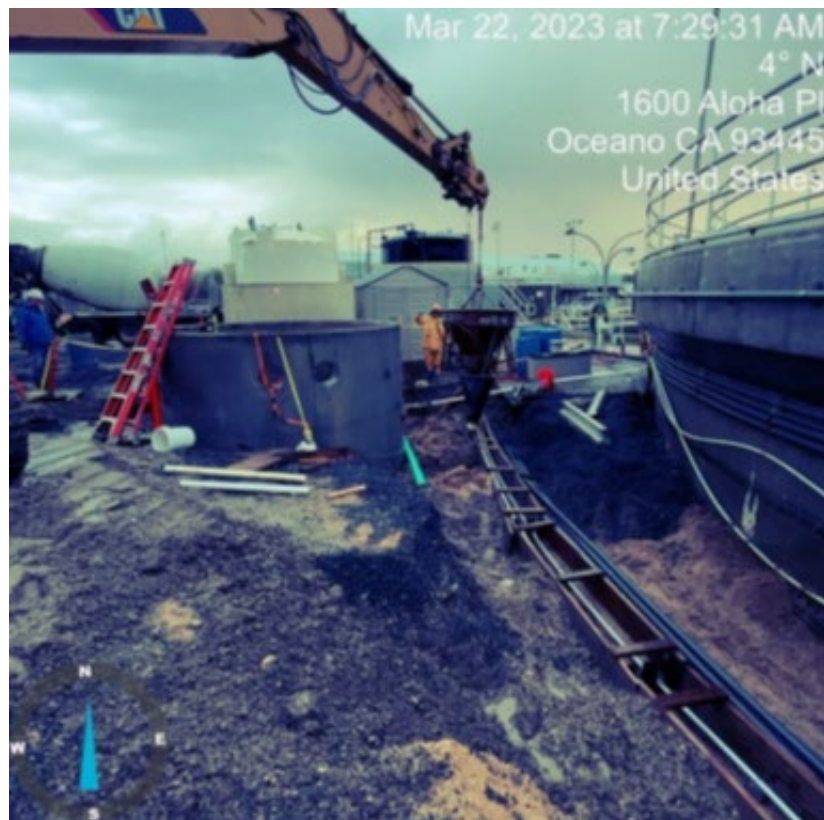
Electrical Ductbank EHH/SHH 11 to 12_2.8.2023



Sawcutting 30-inch Abandoned Pipe_2.23.2023



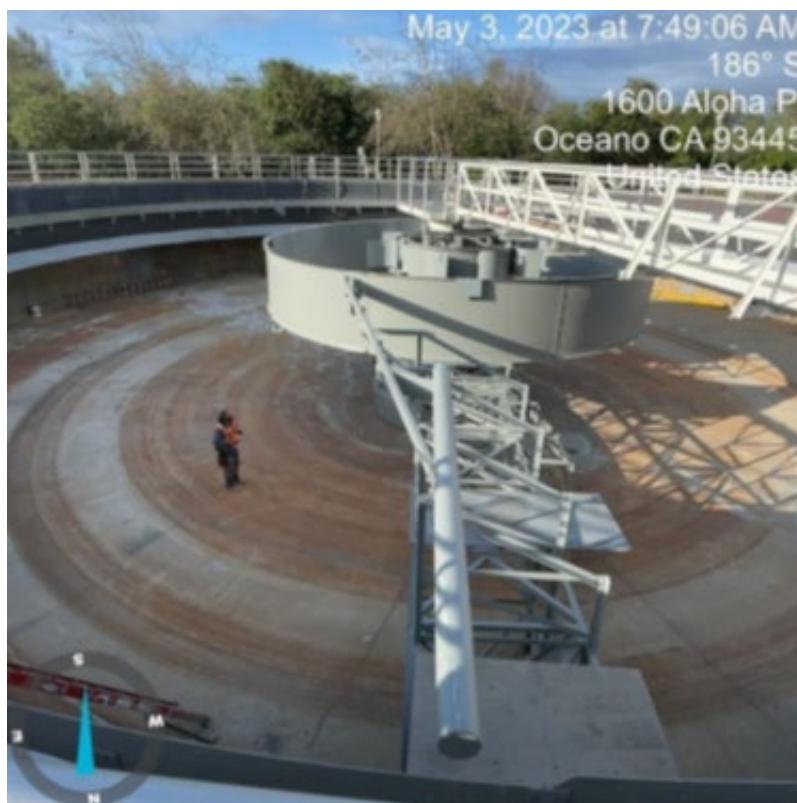
Excavating for Storm Drain_3.3.2023



Ductbank Concrete Placement_3.22.2023



Repair of Damaged Conduits and Conductors for FFRE_4.21.2023



Secondary Clarifier No. 1 Mechanism Installation On-Going_5.3.2023



Secondary Clarifier No. 1 Grout_5.10.2023



Filling Secondary Clarifier No. 1_5.22.2023



Air Vac Installation_5.24.2023



Secondary Clarifier No. 1 RAS Piping_5.24.2023



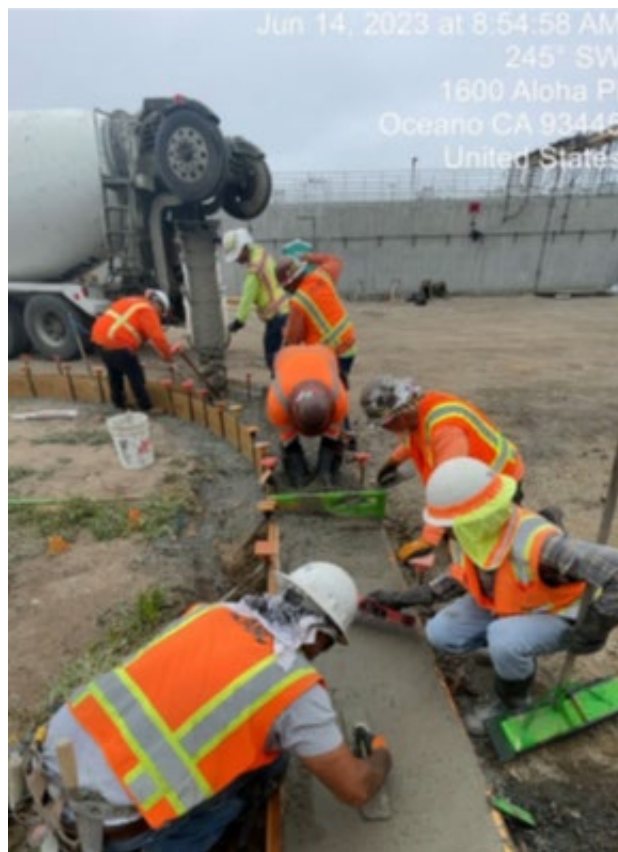
FFR Floodwall_6.1.2023



Secondary Clarifier No. 2 Lightposts_6.1.2023



Temporary Piping for RAS Pump Testing at SC 2_6.5.2023



Curb and Gutter Placement_6.14.2023



Dewatering Well Abandonment_6.28.2023



Curb and Gutter Placement_6.30.2023

Executive Summary

Project-at-a-Glance

Award Price:	\$26,939,042.00	Change Orders:	\$376,550.77
Current Price:	\$27,315,592.77	Change Order Percent:	1.40%
Notice to Proceed:	25 January 2021	Change Orders Time:	1 day
Contract Time:	900 calendar days	Paid To Date*:	\$22,485,887.41
Current Contract Time:	901 calendar days	Paid This Period:	\$281,015.07
Contract Completion:	15 July 2023	Retention To Date:	\$1,183,467.76
Schedule Completion:	22 August 2023	Percent Complete:	87%
Liquidated Damages**:	\$133,000.00	% of Time Lapsed: (764 calendar days)	85%

* Accounts for progress payments approved prior to 28 February 2023.

** Liquidated Damages are realized upon actual Project Completion.

February: Filanc crew completed rehabilitation of SC1 structure, installed the Samford baffles, and prepared for center column installation. Work continued installing various mechanical equipment, toe kicks throughout the site, etc. Demolition proceeded in the former SC1 pump room. Ductbank installation continued between EHH/SHH 11-12.

March: Filanc will receive, coat and install the SC1 mechanism as well as establish permanent power to MCC-5 and begin startup and commissioning of the Phase B facilities. Filanc will also continue electrical work at the SC1 and RDT, and MCC-5. TSI will also begin loop checks on various pieces of instrumentation.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings

Key Project Indicator Grades:

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

Critical Issues:

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. Both have been brought back into operation. Replacement equipment for PC2 was received but has yet to be installed. MNS provided direction to Filanc to executed a Purchase Order for the new PC1 mechanism by March 10 or the District would procure the equipment and withhold the cost from payment.

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.

Settlement Monitoring: Settlement monitoring is being monitored monthly.

Dewatering Monitoring: Project is in compliance with NPDES discharge requirements.

American Iron & Steel: The Project is in compliance with AIS.

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:	\$376,550.77
Current Price:	\$27,315,592.77	Change Order Percent:	1.40%
Notice to Proceed:	25 January 2021	Change Orders Time:	1 day
Contract Time:	900 calendar days	Paid To Date*:	\$22,787,132.19
Current Contract Time:	901 calendar days	Paid This Period:	\$301,244.79
Contract Completion:	15 July 2023	Retention To Date:	\$1,199,322.75
Schedule Completion:	2 August 2023	Percent Complete:	88%
Liquidated Damages**:	\$63,000.00	% of Time Lapsed:	88%
		(795 calendar days)	

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

** Liquidated Damages are realized upon actual Project Completion.

March: SC1 mechanism equipment arrived and coaters progressed on coating the equipment and various on-site piping. SC1 center column was set. The SC1 RAS wet well fillet installed and hydraulic testing started. Inspection and testing of the electrical gear was performed, conduit duct banks installed to the SC1 and along the western side of site. Demolition of the SC1 components was completed and grading of the site began. Wiring and terminations continued. Loop checks began.

April: Filanc will coat and continue install of the SC1 mechanism as well as establish permanent power to MCC-5 and begin startup and commissioning of the Phase B, complete startup of Phase C, and functional testing of Phase D facilities. Filanc will also continue floodwall, flat work, and landscaping installation around the site. Electrical wiring and terminations will continue at the RDT and SC1.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings

Key Project Indicator Grades:

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

Critical Issues:

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. Both have been brought back into operation. Replacement equipment for PC2 was received but has yet to be installed. MNS provided direction to Filanc to executed a Purchase Order for the new PC1 mechanism by March 10 or the District would procure the equipment and withhold the cost from payment.

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.

Settlement Monitoring: Settlement monitoring is being monitored monthly.

American Iron & Steel: The Project is in compliance with AIS.

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:	\$407,900.41
Current Price:	\$27,346,942.41	Change Order Percent:	1.51%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$23,213,680.81
Current Contract Time:	904 calendar days	Paid This Period:	\$426,548.62
Contract Completion:	18 July 2023	Retention To Date:	\$1,221,772.67
Schedule Completion:	6 September 2023	Percent Complete:	89%
Liquidated Damages**:	\$175,000.00	% of Time Lapsed: (825 calendar days)	91%

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

** Liquidated Damages are realized upon actual Project Completion.

April: SC1 mechanism coating and installation continued. Permanent power established to SC2. Startup and checkout performed on the blowers. Training conducted for VFDs, generator, and blowers. Site work including dewatering equipment removal, fine grading, Class II base install, and landscaping in progress. SC1 RAS equipment slab placed, piping installed. SC1 RAS Wet Well install completed and pumps and piping installed.

May: Filanc will startup and commission the SC1 and perform functional testing on the pumps, mixers, and diffusers. Site work will continue with fine grading, landscaping, and aggregate base installation. Electrical installation and Instrumentation & Controls check outs will continue.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings. Go/No Go Meeting. Dpf Meeting.

Key Project Indicator Grades:

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

Critical Issues:

Flow Control Valves / Dissolved Oxygen Probe: The blower flow control valves anticipated for delivery at the end of April were delayed again. The dissolved oxygen probe and controller have also not been received. Filanc is working with the blower manufacturer on possible solutions as the aeration air is reliant on these pieces of equipment.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. Both have been brought back into operation. PC2 equipment was replaced during the month of April and is considered complete. The PC1 replacement mechanism was procured by Filanc and is anticipated for delivery in July 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.

Settlement Monitoring: Settlement monitoring is being monitored bi-monthly.

American Iron & Steel: The Project is in compliance with AIS.

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:	\$420,110.13
Current Price:	\$27,359,152.13	Change Order Percent:	1.56%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$23,779,563.60
Current Contract Time:	904 calendar days	Paid This Period:	\$565,882.80
Contract Completion:	18 July 2023	Retention To Date:	\$1,251,555.98
Schedule Completion:	12 September 2023	Percent Complete:	91%
Liquidated Damages**:	\$196,000.00	% of Time Lapsed: (856 calendar days)	94.7%

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

** Liquidated Damages are realized upon actual Project Completion.

May: SC1 functional testing and startup was completed. Training conducted for the SC1, pumps, mixers, and electronic valve. Site work including dewatering equipment removal, fine grading, Class II base install, and irrigation in progress. Wiring continued as did MCC troubleshooting controls issues.

June: Filanc will complete commissioning of the SC1 and transition WWTP operation back to SC1. Site work will continue with fine grading, landscaping, and aggregate base installation. Electrical issues with the motor management relays will be corrected and site electrical will be completed to the extent feasible pending delivery of the flow control valves.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings. Schedule Recovery Meeting. Commissioning Meeting, RFI Meeting

Key Project Indicator Grades:

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

Critical Issues:

Flow Control Valves / Dissolved Oxygen Probe: Non-AIS blower flow control valves were ordered on May 16, 2023 with a 6-8 week delivery time. This will delay Project completion. Dissolved oxygen probes are anticipated for delivery on June 6, 2023.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. The PC1 replacement mechanism was procured by Filanc and is anticipated for delivery in July 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 site visit with the USDA was conducted on May 11, 2023.

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:	\$422,690.05
Current Price:	\$27,361,732.05	Change Order Percent:	1.57%
Notice to Proceed:	25 January 2021	Change Orders Time:	4 day
Contract Time:	900 calendar days	Paid To Date*:	\$24,490,819.60
Current Contract Time:	904 calendar days	Paid This Period:	\$711,256.00
Contract Completion:	18 July 2023	Retention To Date:	\$1,288,990.50
Schedule Completion:	20 September 2023	Percent Complete:	92%
Liquidated Damages**:	\$224,000.00	% of Time Lapsed:	98%
		(886 calendar days)	

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

** Liquidated Damages are realized upon actual Project Completion.

June: SC1 commissioning period in hand operation was completed and WWTP operation was transferred from SC2 to SC1. Site work continued including fine grading, Class II base install, curb and gutter install, and dewatering well finishes/abandonments. Wiring continued of the lighting and various controls.

July: Filanc will begin startup of Phase D. Site work will continue with fine grading, landscaping, curb and gutter install, and paving. Electrical issues will be resolved, and SCADA testing will be complete.

Meetings this Month: Weekly Construction Meetings. Weekly Startup Meetings.

Key Project Indicator Grades:

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

Critical Issues:

Flow Control Valves / Dissolved Oxygen Probe: Non-AIS blower flow control valves were ordered on May 16, 2023 and delivered on June 29, 2023. Dissolved oxygen probes were also delivered on June 29, 2023.

Primary Clarifiers: Primary Clarifiers were damaged during a power outage. The PC1 replacement mechanism was procured by Filanc and is anticipated for delivery in mid-July 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.

SSLOCSD WWTP Redundancy Project Budget Status

Updated

14-Jun-23

Description	Original Budget	Notes	Revised Budget	Notes	Earned Previously	Notes	Feb-23	Mar-23	Apr-23	May-23	Jun-23	This Period	Date	Balance to Finish
Construction Costs														
General Contractor														
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 detterent, add'tl hoses, temp piping mods	\$ -		\$ 12,209.72											
CCO#15 - Valve finishes, deduct for gate valve design change			\$ 2,579.92											
Change Order Total	\$ -		\$ 422,690.05											
Updated Construction Contract	\$ 26,939,042		\$ 27,361,732.05		\$ 23,373,550.46	7	\$ 295,805.33	\$ 317,099.77	\$ 448,998.55	\$ 595,666.09	\$ 748,690.52	\$ 2,406,260.25	\$ 25,779,810.72	\$ 1,581,921.33
Other Construction Costs														
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	\$ 19,588.16	\$ 10,411.84
Construction Contingency	\$ 3,353,911	1	\$ 2,738,655	4	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,738,655
Subtotal Construction + Construction Contingency	\$ 30,292,953		\$ 30,292,953		\$ 23,536,116.08		\$ 295,805.33	\$ 317,099.77	\$ 448,998.55	\$ 615,254.25	\$ 748,690.52	\$ 2,425,848.41	\$ 25,961,964.50	\$ 4,330,988.23
Professional Services Costs														
Engineering Design + Bid Suport + Engr Service During Construction (KJ)	\$ 2,781,737		\$ 3,093,241		\$ 2,867,546.92		\$ 16,646.45	\$ 19,807.50	\$ 34,760.70	\$ 29,376.25	\$ 14,087.50	\$ 114,678.40	\$ 2,982,225.32	\$ 111,016
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											
Operations Services - Startup, Training, O&M	\$ 300,000		\$ 299,672	10	\$ 15,523.12		\$ 600.00	\$ 864.00	\$ 37,310.00	\$ 4,162.22	\$ 6,372.00	\$ 49,308.22	\$ 64,831.34	\$ 234,841
Construction Management (MNS)	\$ 2,616,043	13	\$ 2,616,043	13	\$ 2,056,810.89		\$ 89,140.69	\$ 62,770.55	\$ 93,673.78	\$ 95,198.65	\$ 92,154.42	\$ 432,938.09	\$ 2,489,748.98	\$ 126,294
Legal/Admin Costs (Estimated)	\$ 669,921		\$ 639,107	3, 11	\$ 416,973.14		\$ 8,507.81	\$ 8,810.37	\$ 7,678.66	\$ 5,574.88	\$ 7,375.52	\$ 37,947.24	\$ 454,920	\$ 184,187
Legal (Estimated)	\$ 50,000		\$ 50,000		\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Admin (MKN)	\$ 500,093		\$ 469,279	3, 11	\$ 362,146.23		\$ 8,507.81	\$ 8,810.37	\$ 7,678.66	\$ 5,574.88	\$ 7,375.52	\$ 37,947.24	\$ 400,093.47	\$ 69,185.53
Community Workforce Administration (Pacific Resources)	\$ 79,828		\$ 79,828		\$ 14,826.91		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,826.91	\$ 65,001
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		\$ 302,497.20		\$ 4,661.25	\$ 4,276.25	\$ 5,621.25	\$ 1,301.25	\$ 2,277.50	\$ 18,137.50	\$ 320,635	\$ 12,243
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		\$ 62,178.85		\$ 4,661.25	\$ 4,276.25	\$ 5,621.25	\$ 1,301.25	\$ 2,277.50	\$ 18,137.50	\$ 80,316.35	\$ 5,443
Hydrogeological Study	\$ -		\$ 18,000	12	\$ 17,965.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,965.00	\$ 35
Construction photography	\$ -		\$ 3,600	6	\$ 2,225.00		\$ -	\$ -	\$ -	\$ 275.00	\$ -	\$ 275.00	\$ 2,500.00	\$ 1,100
Subtotal of Soft Project Costs	\$ 6,704,579		\$ 7,006,048		\$ 5,683,083		\$ 119,556	\$ 96,529	\$ 179,044	\$ 135,888	\$ 122,267	\$ 653,284	\$ 6,336,367	\$ 669,681
Professional services contingency	\$ 397,000	2	\$ 100,922	3, 11	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,922
Total (Budgets rounded up to the nearest \$10,000)	\$ 37,400,000		\$ 37,400,000		\$ 29,219,199		\$ 415,362	\$ 413,628	\$ 628,043	\$ 751,143	\$ 870,957	\$ 3,079,133	\$ 32,298,332	\$ 5,101,590

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, 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)
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.
8. Correction to Construction Management (MNS) invoices (September 20, 2021): The January 2021 invoices was incorrectly 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.
9. 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.
10. 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.
11. 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)
12. Hydrogeological Study was performed Sept-Dec 2023 at the request of USDA Rural Development. The professional services contingency was reduced to cover the cost.
13. Budget for Construction Management (MNS) was corrected from \$2,616,120 to match contract amount in June 2023.
14. 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.



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Staff Report

To: Board of Directors

From: Jeremy Ghent, District Administrator

Date: August 2, 2023

**Subject: AUTHORIZE EXECUTION OF CONTRACT AMENDMENT #7 FOR WWTP
REDUNDANCY PROJECT CONSTRUCTION PHASE ENGINEERING
SERVICES WITH KENNEDY/JENKS CONSULTANTS, INC., PENDING USDA
CONCURRENCE**

RECOMMENDATION:

Authorize the District Administrator to execute a contract amendment for Construction Phase Design Engineering Services for the Wastewater Treatment Plant Redundancy Project with Kennedy/Jenks Consultants, Inc. in the amount of \$49,549, pending USDA concurrence.

BACKGROUND AND DISCUSSION:

Kennedy Jenks Consultants, Inc., (KJ) was selected as the Project Design Engineer for the Wastewater Treatment Plant (WWTP) Redundancy Project in April 2016. KJ was instrumental in developing the Project, assisted through the bid phase, and has performed engineering services during construction to date. Notice to Proceed for construction was issued to J.R. Filanc Construction Company in January 2021. As the project moves through construction, continued design engineering services are required to ensure the project is constructed successfully and in accordance with the design. The existing contract with KJ currently includes \$1,161,628 for engineering services during construction (ESDC).

As the project surpassed the 30-month construction schedule, and is moving towards substantial completion, District staff and Kennedy Jenks reviewed the remaining budget and anticipated work to complete, with the anticipation that construction would be completed in October 2023. In July, damage to Secondary Clarifier 2 was uncovered (as described in the Project Update, Agenda Item 6A). The Project team is currently working to determine the extent of the damage and develop the recommended path forward. This issue will impact the project schedule and require additional services from KJ. However, this proposed amendment does not account for any additional time and effort required resulting from repair of Secondary Clarifier 2. District staff will return to the Board with a report once information is available and the scope/magnitude of the impacts are better understood.

As of June 1, 2023, approximately 92% of the ESDC budget had been expended (\$1,067,072). Recent tasks have required additional effort beyond the contract budget. KJ last submitted an update in April 2023 at the 28-month milestone with Amendment 6, which the Board approved. After review, KJ submitted a proposal to amend the ESDC scope and budget to cover the anticipated design engineering services for an additional four months. The request is based on increased efforts required to participate in meetings and to review and respond to Requests for Information (RFIs) and construction submittals.

The following summarizes the main changes proposed in Amendment 7 (attached).

1. Task 7.2 – Responding to RFIs and Preparing Clarifications (INCREASE): The current budget for this task is based on responding to as many as 321 RFIs. Through the end of June, Kennedy Jenks

has responded to 329 RFIs at a total cost of \$363,371. The cost per RFI remains low at \$1,104 per RFI currently vs \$1,535 per RFI initially budgeted. In addition to the \$23,024 of current overage, Kennedy Jenks is requesting \$14,359 to respond to an additional 13 RFIs added to the contract, for a proposed task total budget increase of \$37,383. We continue to receive RFIs and expect some late RFIs as the project continues through commissioning, startup, and operations.

2. Task 7.4 Submittal Reviews (INCREASE): The current budget for this task is based on reviewing as many as 339 submittals and resubmittals. Through the end of June, Kennedy Jenks reviewed 334 submittals at a total cost of \$387,712. The cost per submittal remains low at \$1,161 per submittal vs \$1,326 per submittal initially budgeted. In addition to the \$8,023 of current overage, Kennedy Jenks is requesting \$11,610 to respond to an additional 10 submittals (344 total submittals), for a proposed task total budget increase of \$19,633.

3. Task 7.5 Construction Meetings, Coordination Meetings, and Photo Review (INCREASE): The \$90,574 budget for this task was based on an end of June construction completion date. Through the end of June, the budget was exceeded by \$866 primarily related to construction related meetings outside the regular weekly meeting schedule. Kennedy Jenks is requesting \$12,948 to address the current budget overage and attend up to 4 additional months of meetings.

4. Proposed Budget Reductions. Tasks 4.3, 7.6 and 7.10 are projected to be completed under budget and can be adjusted in the future if needed.

- **Task 4.3 Project Management (DECREASE):** This task is allocated to manage the project through completion. A budget reduction of \$4,000 would still allow some time for Kennedy Jenks to help administer the project during these additional extra months, including final deliverables like record drawings and agency communications that will be complete after contractor final completion.
- **Task 7.6 Site Visits (DECREASE):** This task consists of an on-site visual inspection and reporting primarily by KJ PM and lead engineering discipline staff. There are only a few remaining discipline final site visits anticipated. That work is expected to be completed with \$8,845 of unspent budget.
- **Task 7.10 Ground Improvements (DECREASE):** This work is substantially complete, and the unforeseen slab settlement has been addressed. The estimate to complete with \$7,568 of savings provides sufficient budget to cover remaining Yeh contract services.

Table 1 summarizes the Amendment 7 request of \$49,549 consisting of additional budgets for Tasks 7.2, 7.4 and 7.5 and reduction of budgets for Tasks 4.3, 7.6 and 7.10. Estimated effort is based on October 2023 construction completion.

Table 1: Summary of Existing Budget Status and Proposed Amendment 7

Task/Subtask	Budget	Spent thru June 2023	Remaining	Est Cost to Complete	Amd 7 Revisions	Budget with Amd 7
Phase 4 - Workshops, PM, QC						
Task 4.3 - Project Management	\$69,177	\$50,544	\$18,633	\$14,054	(4,000)	\$65,177
<i>Phase 4 - Subtotal</i>	\$69,177	\$50,544	\$18,633	\$14,054	(4,000)	\$65,177
Phase 7 - Office Engineering During Construction						
Task 7.1 - Conformed Drawings	\$17,719	\$17,719		\$0		\$17,719
Task 7.2 - RFIs and Preparing Clarifications (b)	\$340,347	\$363,371	(\$23,024)	\$0	23,024	\$377,730
<i>10 Add't RFIs (total 339)</i>				\$14,359	14,359	
Task 7.3 - Preparing RFQs and Responding to COs	\$37,099	\$24,221	\$12,878	\$12,878	0	\$37,099
Task 7.4 - Submittal Reviews (c)	\$379,689	\$387,712	(\$8,023)		8,023	\$399,322
<i>12 Submittals Remain (total 346)</i>				\$11,610	11,610	
Task 7.5 - Construction, Coord Meetings, Photo Review	\$90,574	\$91,440	(\$866)	\$12,082	12,948	\$103,522
Task 7.6 - Site Visits	\$34,313	\$16,349	\$17,964	\$9,119	(8,845)	\$25,468
Task 7.7 - Record Drawings	\$53,246	\$0	\$53,246	\$53,246	0	\$53,246
Task 7.8 - Other As-Needed Services	\$19,245	\$19,505	(\$260)	\$0	0	\$19,245
Task 7.9 - Clarifier Condition Assessment	\$7,915	\$8,226	(\$311)	\$0	0	\$7,915
Task 7.10 - Ground Improvements - Observation/Testing	\$112,304	\$87,986	\$24,318	\$16,750	(7,568)	\$104,736
<i>Phase 7 - Subtotal</i>	\$1,092,451	\$1,016,529	\$75,922	\$130,043	53,549	\$1,146,001
Total	\$1,161,628	\$1,067,072	\$94,555	\$144,097	49,549	\$1,211,178

The District is funding a portion of the construction with a low-interest loan from the United States Department of Agriculture (USDA) Rural Development infrastructure program. In accordance with direction from USDA staff and the District's contract with KJ, USDA concurrence with the amendment is required for funding. Staff will work with USDA staff for review of the proposed amendment. From previous coordination, staff assumes USDA staff will want to see Board approval before reviewing contract amendments. Therefore, we request the Board's review of this proposed amendment and conditional approval for the District Administrator to execute the amendment once USDA staff has concurred. Should any comments be received from USDA that would adjust the amendment contents, staff will return to the Board with the update for review.

FISCAL CONSIDERATION:

The recommended contract amendment amount is \$49,549, for a total construction phase services budget of \$1,211,178. This is approximately four percent of the current construction contract amount, consistent with industry standard for ESDC for public works projects. The Project budget and financial plan included a professional services contingency, currently budgeted at approximately \$100,922. The construction contingency budget currently has over \$2.7M remaining. Staff recommends reallocating a portion of the construction contingency to cover this proposed amendment to maintain adequate design engineering services during construction.

The agreement with Filanc contains provisions for liquidated damages for delay in the amount of \$3,500 per day for every day beyond the contract term until the work is fully complete. Assuming completion by October 27, 2023, 101 days past the contract term, the liquidated damages owed would total \$353,500, sufficient to cover this amendment and the proposed amendment for MNS Engineers for continued construction management services (Agenda Item 6C). KJ Amendment: \$49,549 + MNS Amendment: \$285,827 = \$335,376 < \$353,500 (LDs)).

Attachments: Kennedy Jenks Consultants Contract Amendment 7 Request – July 7, 2023

July 7, 2023

Jeremy Ghent P.E.
District Administrator
South San Luis Obispo County Sanitation District
1600 Aloha Place
Oceano, CA 93445

Subject: Kennedy Jenks ESDC Services Budget Status Update and Amendment 7 Request
South San Luis Obispo County Sanitation District Redundancy Project
South San Luis Obispo County Sanitation District

Dear Jeremy,

This letter summarizes the status of the engineering ESDC through the end of June 2023 and request for budget adjustments to complete the project past the June 2023 final construction date.

Kennedy Jenks Engineering Services during Construction (ESDC)

As the project has surpassed the 30-month construction schedule, construction is rapidly reaching substantial completion. Based on Table 1 summarizes the current ESDC budget and overall status through the end of June 2023. Three tasks have required additional effort beyond the contract budgets, primarily to address additional RFIs, submittals and coordination meetings to address project issues (status as of December 2022):

- Task 7.2 RFI (329 RFI responses required vs 321 in contract)
- Task 7.4 Submittal Reviews (334 submittal reviews vs 339 in contract)
- Task 7.5 Coordination Meetings (\$91,440 spent vs \$90,574 budget)

Table 1. Project Management and ESDC Budget Summary through June 2023

Task/Subtask	Budget	Spent thru June 2023	Remaining
Phase 4 - Workshops, PM, QC			
Task 4.3 - Project Management	\$69,177	\$50,544	\$18,633
Phase 4 - Subtotal	\$69,177	\$50,544	\$18,633
Phase 7 - Office Engineering During Construction			
Task 7.1 - Conformed Drawings	\$17,719	\$17,719	
Task 7.2 - RFIs and Preparing Clarifications (b)	\$340,347	\$363,371	(\$23,024)
Task 7.3 - Preparing RFQs and Responding to COs	\$37,099	\$24,221	\$12,878
Task 7.4 - Submittal Reviews (c)	\$379,689	\$387,712	(\$8,023)
Task 7.5 - Construction, Coord Meetings, Photo Review	\$90,574	\$91,440	(\$866)
Task 7.6 - Site Visits	\$34,313	\$16,349	\$17,964
Task 7.7 - Record Drawings	\$53,246	\$0	\$53,246
Task 7.8 - Other As-Needed Services	\$19,245	\$19,505	(\$260)
Task 7.9 - Clarifier Condition Assessment	\$7,915	\$8,226	(\$311)
Task 7.10 - Ground Improvements - Observation/Testing	\$112,304	\$87,986	\$24,318
Phase 7 - Subtotal	\$1,092,451	\$1,016,529	\$75,922
Total	\$1,161,628	\$1,067,072	\$94,555

Estimated Cost to Complete

As we have done throughout the construction phase, we are reporting on the status of ESDC task budgets to make sure the budget continues to be “right sized” for the effort required and provide credits for under-spent tasks that are completed or near completion.

Task 7.2 RFIs and 7.4 Submittals are over budget and Task 7.5 Meeting was exceeded in June. There are also several tasks that are reaching conclusion where some budget reductions make sense at this point of the project. Those tasks include Task 4.3 Project Management, Task 7.6 Site Visits, and Task 7.10 Ground Improvements.

1. **Task 7.2 – Responding to RFIs and Preparing Clarifications:** The current budget for this task is based on responding to as many as 321 RFIs. Through the end of June, Kennedy Jenks has responded to 329 RFIs at a total cost of \$363,371. The cost per RFI remains low at \$1,104 per RFI currently vs \$1,535 per RFI initially budgeted. In addition to the \$23,024 of current overage, Kennedy Jenks is requesting \$14,359 to respond to an additional 13 RFIs added to the contract. We continue to receive RFIs and expect some late RFIs as the project continues through commissioning, startup, and operations.
2. **Task 7.4 Submittal Reviews:** The current budget for this task is based on reviewing as many as 339 submittals and resubmittals. Through the end of June, Kennedy Jenks has reviewed 334 submittals at a total cost of \$387,712. The cost per submittal remains low at \$1,161 per submittal vs \$1,326 per submittal initially budgeted. In addition to the \$8,023 of current overage, Kennedy Jenks is requesting \$11,610 to respond to an additional 10 submittals (344 total submittals).
3. **Task 7.5 Construction Meetings, Coordination Meetings, and Photo Review:** The \$90,574 budget for this task was based on an end of June construction completion date. Through the end of June, the budget was exceeded by \$866 primarily related to construction related meetings outside the weekly SoSLOCSD meeting schedule. Kennedy Jenks is requesting \$12,948 to address the current budget overage and attend up to 4 additional months of meetings.
4. **Proposed Budget Reductions. Tasks 4.3, 7.6 and 7.10** are projected to be completed under budget and can be adjusted in the future if needed.

Task 4.3 Project Management is allocated to manage the project through completion. A budget reduction of \$4,000 would still allow some time for Kennedy Jenks to help administer the project during these additional extra months, including final deliverables like record drawings and agency communications that will be complete after contractor final completion.

Task 7.6 Site Visits consists of an on-site visual inspection and reporting primarily by KJ PM and lead engineering discipline staff. There are only a few remaining discipline final site visits anticipated. That work is expected to be completed with \$8,845 of unspent budget.

Task 7.10 Ground Improvements is substantially complete, unforeseen slab settlement has been addressed. The estimate to complete with \$7,568 of savings provides sufficient budget to cover remaining Yeh contract services.

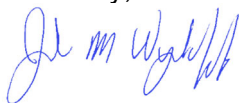
Table 2 summarizes the Amendment 7 request of \$49,549 consisting of additional budgets for Tasks 7.2, 7.4 and 7.5 and reduction of budgets for Tasks 4.3, 7.6 and 7.10. Estimated effort is based on October 2023 construction completion.

Table 2. Cost to Complete Estimate and Amendment 7 Request for ESDC Budget Effort

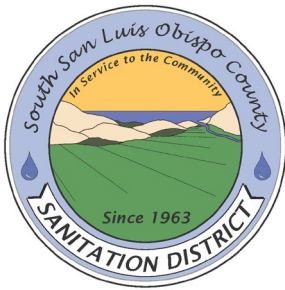
Task/Subtask	Budget	Spent thru June 2023	Remaining	Est Cost to Complete	Amd 7 Revisions	Budget with Amd 7
Phase 4 - Workshops, PM, QC						
Task 4.3 - Project Management	\$69,177	\$50,544	\$18,633	\$14,054	(4,000)	\$65,177
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Phase 7 - Office Engineering During Construction						
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10 Add't RFIs (total 339)				\$14,359	14,359	
Task 7.3 - Preparing RFQs and Responding to COs	\$37,099	\$24,221	\$12,878	\$12,878	0	\$37,099
Task 7.4 - Submittal Reviews (c)	\$379,689	\$387,712	(\$8,023)		8,023	\$399,322
12 Submittals Remain (total 346)				\$11,610	11,610	
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Task 7.7 - Record Drawings	\$53,246	\$0	\$53,246	\$53,246	0	\$53,246
Task 7.8 - Other As-Needed Services	\$19,245	\$19,505	(\$260)	\$0	0	\$19,245
Task 7.9 - Clarifier Condition Assessment	\$7,915	\$8,226	(\$311)	\$0	0	\$7,915
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Phase 7 - Subtotal	\$1,092,451	\$1,016,529	\$75,922	\$130,043	53,549	\$1,146,001
Total	\$1,161,628	\$1,067,072	\$94,555	\$144,097	49,549	\$1,211,178

Kennedy Jenks appreciates our relationship with the South San Luis Obispo County Sanitation District and looks forward to continuing to support the completion of the WWTP Redundancy Project.

Sincerely,



John Wyckoff
 Vice President



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Staff Report

To: Board of Directors

From: Jeremy Ghent, District Administrator

Date: August 2, 2023

**Subject: AUTHORIZE EXECUTION OF CONTRACT AMENDMENT #1 FOR WWTP
REDUNDANCY PROJECT CONSTRUCTION MANAGEMENT SERVICES WITH
MNS ENGINEERS, INC., PENDING USDA CONCURRENCE**

RECOMMENDATION:

Authorize the District Administrator to execute a contract amendment for Construction Management Services for the Wastewater Treatment Plant Redundancy Project with MNS Engineers, Inc., (MNS) in the amount of \$285,827 pending USDA concurrence.

BACKGROUND AND DISCUSSION:

As the project surpassed the 30-month construction schedule, and is moving towards substantial completion, District staff and MNS reviewed the remaining budget and anticipated work to complete, with the anticipation that construction would be completed in October 2023. In July, damage to Secondary Clarifier 2 was uncovered (as described in the Project Update, Agenda Item 6A). The Project team is currently working to determine the extent of the damage and develop the recommended path forward. This issue will impact the project schedule and require additional services from MNS. However, this proposed amendment does not account for any additional time and effort required resulting from repair of Secondary Clarifier 2. District staff will return to the Board with a report once information is available and the scope/magnitude of the impacts are better understood.

The completion of the WWTP Redundancy project (Project) is anticipated to extend into October based on the most recently provided contractor's schedule. This updated completion date is several months longer than the original completion date of July 2023, and will require more time and effort than originally anticipated for the Project. The cost required for these additional services will soon exceed the current contract amount; therefore, MNS is requesting a contract amendment to provide additional funds for this increase in scope of services. The original staffing plan assumed a construction duration of 900 days or approximately 30 months. MNS was contracted and began providing preconstruction services in January 2020; however, due to project delays construction did not begin until January 2021. MNS spent \$29,382 while mostly idle and only

attending relevant meetings during the 12-month delay on bidding. Based on the updated schedule and remaining work to be completed, MNS anticipates project closeout service completion in November of 2023, resulting in a service period of 47 months. Thus, the project required an additional 17 months of service than originally estimated. MNS has been able to stretch out services and current budget to date, but additional budget will be required to complete the project.

The primary cause for the increased services is due to the extended contract completion time, which was primarily caused by pump procurement issues and delays. The additional tasks remaining to complete the contract work are as indicated below:

- Primary Clarifier No. 1 removal/replacement
- Startup and commissioning
- Site cleanup and fine grading
- Paving
- Punchlist item completion / inspection and sign off
- Project closeout / Archives and Electronic Documentation
- Survey of Secondary Clarifier No. 2

Based on the cost of services performed to date and the remaining balance in the current contract, MNS estimates the cost to complete the work described above including closeout to be \$285,827. A total of \$2,489,749 has been spent through May 31st, 2023. The attached project schedule estimates an additional 4 months for Construction Management and 2 months for the Project Closeout. The added cost associated with these additional months is approximately \$412,121 and brings the total cost of the contract to \$2,901,870.

FISCAL CONSIDERATION:

The recommended contract amendment amount is \$285,827 for a total construction phase services budget of \$2,901,870. This is approximately 10.6 percent of the current construction contract amount, consistent with industry standard for construction management services for public works projects. The Project budget and financial plan included a professional services contingency, which currently has \$100,922 remaining. The construction contingency budget currently has over \$2.7M remaining. Staff recommends reallocating a portion of the construction contingency to cover this proposed amendment to maintain adequate construction management services during construction.

The agreement with Filanc contains provisions for liquidated damages for delay, in the amount of \$3,500 per day for every day beyond the contract term until the work is fully complete and notice of final completion is issued. Assuming completion by October 27, 2023, 101 days past the contract term, the liquidated damages owed would total \$353,500, sufficient to cover this amendment and the proposed amendment for Kennedy Jenks for continued design engineering services during construction (Agenda Item 6B). (MNS Amendment: \$285,827 + KJ Amendment: \$49,549 = \$335,376 < \$353,500 (LDs)).

Attachments:

MNS Contract Amendment Request dated July 21, 2023

July 21, 2023

South San Luis Obispo County Sanitation District
Attention: Jeremy Ghent, District Administrator; Eileen Shields, Project Administrator
1600 Aloha Place
Oceano, CA 93445

SUBJECT: WWTP Redundancy Project Construction Management Contract Amendment

Dear Mr. Ghent,

As you are aware, the completion of the WWTP Redundancy project (Project) is anticipated to extend into October based on the most recently provided contractor's schedule. This updated completion date is several months longer than the original completion date of July 2023, and will require more time and effort than originally anticipated for the Project. The cost required for these additional services will soon exceed our current contract amount; therefore, MNS is requesting a contract amendment to provide additional funds for this increase in scope of services. Our original staffing plan assumed a construction duration of 900 days or approximately 30 months. MNS began providing preconstruction services in January 2020; however, due to project delays construction did not begin until January 2021. Based on the updated schedule and remaining work to be completed, MNS anticipates project closeout service completion in November of 2023, resulting in a service period of 47 months. Thus, the project required an additional 17 months of service than originally estimated. MNS has been able to stretch our services and current budget to date, but additional budget will be required to complete the project.

The primary cause for the increased services is due to the extended contract completion time, which was primarily caused by procurement issues (flow control valves, DO probes, Primary Clarifier No.1 mechanism) and delays. The additional tasks remaining to complete the contract work are as indicated below:

- Primary Clarifier No.1 removal/replacement
- Startup and commissioning
- Site cleanup and fine grading
- Punchlist item completion / inspection and sign off
- Project closeout / Archives and Electronic Documentation
- Survey of Secondary Clarifier No.2

Based on the cost of services performed to date and the remaining balance in our current contract, we estimate the cost to complete the work described above including closeout to be \$285,827.65 as outlined in the attached closeout cost estimate.

Thank you for your consideration on this matter. Please contact me at gchelini@mnsengineers.com or 805.692-6921 with any questions you may have.

Sincerely,

MNS Engineers, Inc.



Gregory Chelini, PE
Vice President/Principal Construction Manager

Encl. Cost Proposal



Wastewater Treatment Plant Redundancy Project

South San Luis Obispo County Sanitation District

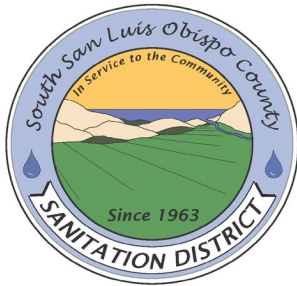
Project Schedule											
		2023									
PHASE		May	Jun	Jul	Aug	Sep	Oct	Nov			
Pre-Construction											\$ -
Construction Management											\$ 372,433.56
Project Closeout											\$ 39,688.20

PHASE									TOTAL HOURS	HOURLY RATE 2022	HOURLY RATE 2023	TOTAL COST	
		2023											
Role	Staff	May	Jun	Jul	Aug	Sept	Oct	Nov					
CONSTRUCTION													
Project Manager	Greg Chelini		8	8	8	8	4		36	238.70	245.86	\$ 8,850.96	
Resident Engineer	Megan Panofsky		120	120	120	80	40		480	212.18	218.55	\$ 104,904.00	
Civil/Mech Inspector	Eddie Williams		172	172	172	172	120		808	164.44	169.37	\$ 136,850.96	
EE/I&C Inspector	Kioyi		120	120	172	80			492	164.44	169.37	\$ 83,330.04	
Startup Engineer	Ron Kettle		10	20	80	10			120	196.27	202.15	\$ 24,258.00	
Office Engineer	Celeste Alfino		8	8	8	8	8		40	111.39	114.74	\$ 4,589.60	
SUB-TOTAL		0	438	448	560	358	172	0	1,976			\$ 362,783.56	
PROJECT CLOSEOUT													
Project Manager	Greg Chelini						4	4	8	238.70	245.86	\$ 1,966.88	
Resident Engineer	Megan Panofsky						60	40	100	212.18	218.55	\$ 21,855.00	
Office Engineer	Celeste Alfino						16	16	32	111.39	114.74	\$ 3,671.68	
Civil/Mech Inspector	Eddie Williams						24	24	48	164.44	169.37	\$ 8,129.76	
EE/I&C Inspector	Kioyi						24		24	164.44	169.37	\$ 4,064.88	
SUB-TOTAL		0	0	0	0	0	128	84	212			\$ 39,688.20	
TOTAL HOURS		0	438	448	560	358	300	84	2,188			\$ 402,471.76	

Direct Expenses		TOTAL COST
Direct Expenses		\$ 1,000.00
MNS Survey		\$ 5,150.00
DIRECT EXPENSES SUB-TOTAL		\$ 6,150.00

Sub Consultants		TOTAL COST
Materials Testing Earth Systems		\$ 3,500.00
SUBCONSULTANTS SUB-TOTAL		\$ 3,500.00

REMAINING CONSTRUCTION/CLOSE OUT PHASES TOTAL	\$ 412,121.76
Spent through May 31, 2023	\$ 2,489,748.92
TOTAL	\$ 2,901,870.68
Contracted	\$ 2,616,043.03
Contract Amendment	\$ 285,827.65



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; Mychal Jones, Plant Superintendent

Date: August 2, 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*

Misc:

- *District Staff continues to meet with Central Coast Blue Project Team*
- *District conducted a kick-off meeting on 7/19 for the new cogeneration system*
- *The District is participating in a countywide 5-Year Multi-Jurisdictional Hazard Mitigation Plan Update. County OES is acquiring grant funding for the Update.*

Plant Tours:

- *The PG&E/Southland Cogeneration Engineering Team toured the facility on July 19th.*

Tentative Items:

- *Update on Secondary Clarifier Construction Issue (Sept 6)*
- *Regular Business*

Plant Operations Report

During the reporting period of June 1st- June 30th 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 June 2023

June 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	2.12	3	486	9.6		490	13.6		1.8	188
High	2.35	4.1	631	31.3		710	22.8		70	489
June 2023 AVG	2.22	3.3	536	17.1	96.8	570	19.5	96.6	13	290
June 2022 AVG	2.08	3.17	475	22.9	95.2	519	26.9	94.8	6.4	312
Limit	5.0			40/60/90	>80		40/60/90	>80	2000	

Operation and Maintenance Tasks

- Check and mark underground service alerts
- Prep temporary chemical lines for removal
- Secondary Clarifier #1 placed back in service
- Maintain and monitor Aeration Basins
- Maintenance at Secondary Clarifier #1 sump
- Replace filter, neutralization tank, and P-trap on Boiler
- Repair crack in chlorine tank valve at sight glass and connection hose
- Replace 1" ball valve at backside of FFR
- Wash down Secondary Clarifier #2 as it drains
- Drain Aeration Basins as needed, washdown while being emptied
- Ammonia sampling @ CCT
- Replace Loader stairs
- Prep sludge beds for dewatering
- Create procedure for RDT tie-in
- Test Surface functionality with SCADA offsite
- Fence line clearing by CMC fire crew

Work Orders Completed

- FFR VFD cabinet cleaning
- Monthly FFR maintenance, cleaning, and sampling
- Digester blanket maintenance
- Semi-Annual fan maintenance FFR supply and exhaust fans
- Semi-annual fan maintenance MCC vent
- Semi-annual fan maintenance cogen exhaust
- H&A filter service
- Monthly ISCO maintenance
- Algae control at Secondary Clarifier
- Water Champ maintenance
- Polymer pump @ Splitter Box maintenance
- Final clarifier drive maintenance
- Monthly Maintenance 6" Trash pump
- Annual sump pump maintenance @ FFR
- Annual sump pump maintenance @ Primary Clarifier #1
- Annual sump pump maintenance @ plant drain #2
- Monthly Safety walk
- Annual Flow meter calibration by outside vendor

Preventative Maintenance

- Inspection and cleaning of Digester vacuum/pressure relief valves
- Forklift monthly maintenance
- Replace desiccators in equipment control panels
- Test run Emergency Generator and Emergency Bypass Pump
- De-rag Primary Clarifier sludge pumps
- Rinse ORP probes
- Flush plant sump pumps
- Primary Clarifier algae control
- Monthly cart maintenance
- Loader preventative maintenance
- Calibrate various plant chemical dosing pumps

Training

Staff participated in training on:

- New staff training on forklift
- New staff training on street sweeper
- New staff training on Loader
- OITs continue to work through New Hire packet
- Proper lifting procedure to remove pumps from Aeration Basins
- Draining Aeration basins
- New OIT staff members begin shadow training with Operations and Lab staff

Call Outs

- Friday June 16th, 2023, at 7:18pm- High Digester #2 sump alarm. Upon arrival operator performed visual inspection to confirm high level in Digester #2 sump. Operator began to wash down sump, pump down manually, and repeat until normal operation resumed.
- Saturday June 17th, 2023, at 8:42pm- Power Outage. Upon arrival at plant operator confirmed that both generators are running, all plant equipment has power and functioning normally. Once PG&E power is back online all equipment is re-checked. Alarms are reset.

2023 Non-Serious Violations Expiration Dates

- **February 15, 2023** – Daily Maximum Fecal Coliform
This exceedance expires August 14, 2023.
- **February 21, 2023** – Daily Maximum Fecal Coliform
This exceedance expires August 20, 2023.
- **April 20, 2023**- Daily Maximum Fecal Coliform
This exceedance expires October 19, 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



