

Agenda

Thursday, June 15, 2023
Sewerage Agency of Southern Marin
Board of Commissioners Meeting
450 Sycamore Avenue, Mill Valley
6:00 pm

CALL TO ORDER AND ROLL CALL

APPROVAL OF AGENDA

PUBLIC OPEN TIME

The Public is invited to address the Board on items that do not appear on the agenda and that are within the subject matter jurisdiction of the Board. State law prohibits Board action on any item not listed on the agenda. Please avoid repetition and please limit your comments to three minutes.

CONSENT CALENDAR

The following items listed on the Consent Calendar are considered routine and are approved by a single motion without discussion. The Board President or any Board Commissioner or the public may request that any item listed under the Consent Calendar be removed and action taken separately. In the event an item is removed from the Consent Calendar, it shall be considered in its numerical order.

1. Consideration of the Minutes of the May 18, 2023, meeting.
Recommended Action: Approve the minutes.
2. Monthly Report.
Recommended Action: Receive report.

NEW BUSINESS

3. Modifications to the SASM Private Lateral Replacement Project (PLRP)
Recommended Action: Approve modifications to the SASM PLRP

Open Discussion

ADJOURNMENT

*The next scheduled Board meeting is July 20, 2023 @ 6 pm
Location: SASM Conference Room
450 Sycamore Mill Valley, CA 94941*

SEWERAGE AGENCY OF SOUTHERN MARIN

Minutes

BOARD OF COMMISSIONERS

May 18, 2023

SASM Conference Room

Call to Order and Roll Call

President Lew Kious called the meeting to order at 6:02 pm.

Commissioners present: Al Leibof, Todd Gates, Peter MacIntosh, Jim Jacobs, Stephen Burke

Commissioners absent: N/A

Staff present: WWTP Director Mark Grushayev, WWTP Chief Operator Brian Exberger.

Members of the Public: Bonner Beuhler

Approval of Agenda

Action: M/S Burke/McIntosh and carried on a vote of 6 to 0 to approve the Agenda.

Public Open Time

There were no comments from the public.

Consent Calendar

1. Consideration of the Minutes of the April 20, 2023, meeting.
Recommended Action: Approve the minutes.
2. Monthly Report.
Recommended Action: Receive report.
3. SASM Sewer System Management Plan Update 2023.
Recommended Action: Receive a draft update of the Emergency Response Plan (Element VI) of the SASM Sewer System Management Plan.

Action: M/S Jacobs/Burke and carried on a vote of 6 to 0 to approve the minutes of the April 20, meeting, receive the Manager's Report and the SASM Sewer System Management Plan Update 2023.

New Business

1. Consideration of the SASM Budget for the Fiscal Year 2023-24.
Recommended Action: Receive presentation on the proposed FY 2023-24 budget and approve or provide direction to staff.

Mr. Grushayev said that the SASM Budget is typically presented to the Board in May and that this year's budget was created taking into consideration several factors, including EDU calculations that are done every year. He added that each agency provides EDU calculations which are sent to a consultant for verification

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and certification and those numbers are then presented to the Board. The EDU calculations required for SASM to structure its revenue and the assessments to each agency come out of these calculations. He added that the new member assessments calculations were provided to the district managers last week for incorporating into their respective budgets for the upcoming FY.

Mr. Grushayev stated that the continued increases in supplies costs are impactful industry wide. This is especially true for chemicals. He asked to open page 6 of the attachment to compare the current FY with the upcoming 2023-24 FY and pointed to 133% increase of chlorine (sodium hypochlorite) cost. There is also about a 20% increase in polymer cost. Both are dictated by market conditions and staff have no control over these increases. He added that SASM is a part of the multi-agency consortium that brought together most of the wastewater agencies in the Bay Area in an attempt to create a more competitive process from the suppliers. Mr. Grushayev added that staff tried to balance the increases with cuts and was able to achieve only a 2.4% increase in operation and maintenance costs.

Then Mr. Grushayev pointed to the Capital Improvements section on p.4 of the attachment and described the proposed projects. He stated that the Odor Control improvements for the Primary Clarifiers is based on the successful pilot project that staff conducted in 2021-22. This estimate of \$525,000 includes two components: one is procurement of the ozone generator that was used during the pilot, and another is fabrication and installation of the covers for the most odorous sections of the primary tanks. The equipment is unique and will need to be procured directly from the manufacturer, but the covers will be procured via a required bidding process. He also added that this project is in-line with the Master Plan and the board's mission and goals.

President Kiouss said that this effort is to take away some of the odors that affect people using the adjacent recreational areas, kids and teachers in the Middle School, and the nearby community.

Commissioner Gates said that he was looking at the allocation to reserves, which is a big number that does not reoccur every year. He gathered that this year a lot was taken out of the reserves because of the filters and maybe some other unexpected expenses. He added that it does not happen very frequently that the assessments will not be going up too much for the next couple of years if they stay on this track.

Mr. Grushayev said that the assessment was defined by the financial plan which was approved by resolution in 2020 and the increase was about 5%. Every year there will be small increases and that is how the Board agreed to build the reserves and that in the future might be possible to avoid raising bonds type of funding and that is how SASM will be able to build reserves to fund the ongoing Capital Improvements Program. He added that if SASM stays the course it may go to 2030.

Commissioner Jacobs recalled that a couple of years ago a forecast was made and that it did not seem like that was much more pressure on increases.

Mr. Grushayev said this was a good assumption but not final because to conclude specifics of what will be needed to spend in the next 5-year cycle, more planning needs to be done. He added that next year SASM will start preparing for what will be needed to be achieved in the years to come and when we build a pipeline of projects, one of them may be for biosolids. He said that there are some investments SASM might need to do based on these evaluations and that we do not know today how much the biosolids solution will cost, but that it could be over eight million dollars and that SASM may need to rehabilitate the gravity thickener which may cost 1.5 million. He said new regulations may be created about nutrient removal and another ten million may be needed to build another treatment system for nutrient removal.

Commissioner Gates said that this year, between reserves and CIP SASM got almost 2.5 million in revenues. Mr. Grushayev agreed and added that SASM has built a revenue stream with small increases

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already approved by the board within a range of 5% for the next several years which may change when SASM develops a new cycle of CIP projects. He said that for now SASM is perfectly set up for a steady, consistent, and healthy operation.

President Kious said that there is nothing in this budget that should cause any increase in rates to customers unlike MMWD which will be charging 22% more every year. This does not mean that SASM will not increase rates in the future but that right now SASM is not there yet.

Commissioner Jacobs asked if it was possible for SASM to spend money on solar energy and M.

Grushayev said it is possible in theory but not in practice because SASM is so small. It is a great idea and SASM will keep looking into implementing it based on new technologies.

Commissioner Jacobs suggested a small monitoring well for monitoring sea level rise and Mr. Grushayev said SASM will look into it.

Commissioner Jacobs said some of the other agencies do not seem to have the same problems that SASM has with biosolids and asked if there was some technology SASM could share with them and maybe some joint facility and Mr. Grushayev said that he meets every month with the managers from the other plants in Marin and discuss issues. He said that Las Galinas has a lot of land and there are talks of something sub-regional possibly being done there.

Commissioner Burke asked what was the accumulated reserves that SASM has at this point and Mr. Grushayev responded about three million.

Commissioner Burke asked if in the event of a legal outcome, the cost would come out of reserves and Mr. Grushayev answered yes.

President Kious said that according to the report he read, the EDUs numbers for TCSD were high last year because of a leaky pipe somewhere. He asked for clarification on why no one noticed and reported a leak of this magnitude to the district.

Action: M/S McIntosh/Jacobs and carried on a vote of 6 to 0 to approve the SASM Budget for the Fiscal Year 2023-24.

Public Comments

There were no comments.

Commissioners Open Time

President Kious asked Commissioner Gates for an update on the Cash for Sewers Program and Commissioner Gates said that he met with Mr. Grushayev for about an hour and got some good ideas to work on that will be presented next meeting.

Mr. Grushayev said that he will write a report about that and present it at the Board next meeting.

Public Comments

Mr. Beuhler said that the BACWA meetings are via zoom if anyone wants to attend.

Adjourn

Action: M/S Burke/McIntosh and carried on a vote of 6 to 0 to adjourn the meeting at 6:40pm.

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The next scheduled meeting of the SASM Board is June 15, 2023, at 6:00 pm at the SASM Conference Room.

STAFF REPORT

TO: Sewerage Agency of Southern Marin Board Commissioners

FROM: Mark Grushayev, Wastewater Treatment Plant Director

SUBJECT: Monthly Report

DATE: June 15, 2023

ISSUE: Summary of operation and maintenance activities for May 2023

RECOMMENDATION: Receive report.

Compliance

- In May 2023, the Agency experienced no exceedances of its effluent discharge limitations.
- In accordance with the reporting requirements stipulated in the NPDES permit, staff reviewed, certified, and submitted the Self-Monitoring Reports (SMRs) for April 2023.

To view the Monthly and Annual Self-Monitoring Reports online, go to:

<http://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportEsmrAtGlanceServlet?inComm and=reset>

- Enter an Agency Name: Sewerage Agency of Southern Marin
- Select a reporting year: 2023
- Select Run Report

Regulatory or Public Issues

- Sanitary Sewer Overflows: None
- Unauthorized discharge: None
- BAAQMD: None

Laboratory

- As a service for the City of Mill Valley Recreation Department, SASM laboratory provided water quality analysis for the Pool & Spa monthly samples, collected on May 16, 2023. Samples were analyzed for Total Coliform, Pseudalert, and Heterotrophic Bacteria. The analytical report was provided to the City on May 25, 2023.
- As a monthly plant process check, sludge profile samples were collected on May 30, 2023. The samples included digester #1, gravity thickener, filtrate, and CAKE. All samples were analyzed for total solids and volatile solids, while the digester samples were further analyzed for pH, alkalinity, and volatile acids.
- SASM lab sampled for quarterly analysis on May 08, 2023, the monthly report includes results for metals (Copper and Zinc), Cyanide, Ammonia, Phosphorus, and Nitrate + Nitrite,

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32 Mercury, and Oil & Grease. Caltest Analytical Laboratory provided final report on June 06,
33 2023, results met all the compliance limit requirements.
34 • Acute Toxicity Bioassay week occurred on May 08-11, 2023, SASM also collected samples
35 for the annual Chronic Toxicity May 08-12, 2023. There was no toxicity present in the
36 effluent based on the final acute bioassay report from McCampbell Analytical, Inc. For
37 chronic toxicity, there was no significant reduction in the mysid (shrimp) survival endpoint.
38 There was some reduction in the growth, however, the result TU_c for growth and survival
39 endpoints were both at $<2.5 TU_c$ which is below our limit of $10 TU_c$.

40
41 **Wastewater SCAN Program**

42 Since December 2022, SASM staff have been participating in the Nationwide Program designed
43 to evaluate wastewater samples for several infectious diseases including SARS_CoV-2, Influenza,
44 Respiratory Syncytial Virus (RSV), and some others. There are over 140 wastewater treatment
45 plants participating from 26 states, representing approximately 10.6% of the US population (close
46 to 35 million people). The latest results for Sewerage Agency of Southern Marin Wastewater
47 Treatment Plant have been posted to the WastewaterSCAN dashboard. Please see the link below:
48 [Sewerage Agency of Southern Marin Wastewater Treatment Plant](#)

49
50 **Operation and Maintenance**

51 In May 2023, operations and maintenance personnel completed 168 preventive and 23 corrective
52 work orders. Below is a summary of activities during the reporting period:

53 **Odor Control** – The bio-scrubber continues to work well resulting in 0.00 ppm of H_2S released
54 to the atmosphere. Carbon media in the carbon scrubber for Sludge Thickener process continues
55 to perform well.

56 **Headworks** – Flows into the plant have been normal for this time of year, averaging about 2.0
57 MGD and totaling 62.8 million processed gallons.

58 **Primary Treatment** – All four primary tanks continue to remain online even though rain has been
59 sparse this month. Staff will plan to take half the primary tanks offline for annual maintenance
60 during the summer months.

61 **Secondary Treatment** – The trickling filters remain in parallel mode. Staff continue to flush the
62 trickling filters weekly, while Ammonia results remain low.

63 **Secondary Clarification** – Both clarifiers are online and will remain so through the spring. Staff
64 will plan to take a secondary clarifier offline for annual maintenance during the summer months.

65 **Effluent Pumping** – An average of 102 gallons of sodium hypochlorite was used per day for
66 disinfection of our effluent that is pumped to Raccoon Strait.

67 **Reclaimed Water** – The sand filter remains in operation supplying reclaimed water to the City
68 fields. SASM distributed 1,360,000 gallons to the park in May 2023. Of that, 213,800 gallons were
69 from MMWD potable water. The distribution pump house communication from the level traducer
70 in the storage tank is still out of service due to issues with replacement parts, so staff continues to
71 operate the tank in a semi-auto mode. Staff are working with the City to determine the most cost-
72 effective upgrades to keep the aging facility operational.

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73 **Sludge Digestion** – Digester #1 is still online and performing well. Digester gas continues to be
74 used in the boilers / heat exchangers to heat the digester. Digester #2 lid replacement project has
75 been designed and scheduled to be installed sometime in June. The maintenance staff had the
76 burner on heat exchanger No. 1 replaced and is preparing to bring the heat exchanger online.
77

78 **Call-outs** – There were no callouts in May.

79 **Sludge** – 17 bins of sludge hauled.

80 **Grit** – 0 bin of grit hauled.

81 **USA mark-outs** – 12 were processed, 6 were marked, costing a total of 37 hours labor.

82 **Training/Safety** – As of June 1, 2023, there were 3,715 days of continuous work without time-
83 lost to accidents. Staff completed the required training: Hazardous Waste Management.
84

85 **CAPITAL IMPROVEMENT PROGRAM FY 2022-2023**

86 There were no major construction activities during May. Overaa Construction began mobilizing
87 on June 1 and started preparing to work on the Dig. #2 central column assembly.
88

89 **Trickling Filters Recirculation Valve Urgent Repairs (in progress)**

90 In early January, SASM operations staff discovered that the 30-inch underground valve
91 failed to operate and was stuck in a closed position. The valve is buried approximately 20
92 feet deep and is not accessible without excavation. This valve is designed to adjust the
93 recirculation rate for the two recently renovated Trickling Filters and delays in this repair
94 may impact the efficiency of the secondary treatment process and lead to NPDES Permit
95 violations. An informal bid solicitation was conducted, and four bid proposals were received.
96 Piazza Construction was awarded the contract. They mobilized, excavated, and successfully
97 opened the failed valve on February 24th. The remaining (non-urgent) work includes installing a
98 deep access vault plus zinc anodes which is expected to be installed and completed by July 2023.
99

100 **WWTP Main Switchgear Replacement** **100% Complete**

101 The design and specifications to replace the 38-yr old 2,000-amp electrical main switchgear low
102 bid of \$1,874,091.00 was awarded to DW Nicholson on 12/29/2020. Notice to Proceed (NTP) was
103 issued on 1/22/2021. The switchgear cabinet fabrication, circuit breakers, and electrical
104 components all have 7+ month fabrication and build-out process. The electrical industry is
105 experiencing material shortages, increased supply demands, plus overseas transportation and
106 coordination issues and this contract is negatively impacted because many electrical components
107 (relays, breakers, etc.) from Eaton are built overseas. Factory testing of the build-out of the new
108 switchgear occurred on 11/16/2021. All tests were performed and met performance standards. The
109 switchgear equipment delivery was received on 4/6/2022. This project required utilization of seven
110 portable generators 24/7 for two weeks to keep the WWTP fully operational during the demolition
111 of the old main switchgear and installation of the new switchgear. On 7/18/22 PG&E disconnected
112 utility power. Two work crews, over a two-week period, installed the new main switchgear system.
113 This complicated task involved electronic breaker and cabinet installation, cabling, control wiring,

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114 program setting, inspection, commissioning activities. The team consisted of DW Nicholson,
115 CAT-Peterson, EATON, PG&E, Pinnacle Power, Nute Engineering, Calton Electrical
116 Engineering, and SASM Staff. The switchgear start-up, commissioning testing, and PG&E's
117 utility power restoration were completed August 23 - six days ahead of schedule. Staff O&M
118 training was conducted on August 4. All warranty issues involving the replacement of a faulty Arc
119 Quenching Device (AQD) Switchgear breaker unit was installed and completed on June 5th.

120
121 **WWTP Rehabilitation Project – Phase 1 & Phase 2** **99% Complete**

122 The first phase of the WWTP Master Plan implementation began in April 2018 and is now
123 completed. The primary goal in this initial phase is to help ensure reliable treatment of wastewater,
124 as well as compliance with regional, State, and Federal regulations. Upgrades and rehabilitation of
125 existing infrastructure are key components of this project. The following are ongoing and
126 completed work activities, including change orders:

- | | | |
|-----|---|---------------|
| 127 | • Headworks Building Belt Filter Press Room Ventilation | 100% Complete |
| 128 | • Rehabilitation of the Secondary Clarifier # 2 | 100% Complete |
| 129 | • Digester Gas Piping Replacement | 100% Complete |
| 130 | • Rehabilitation of the Secondary Clarifier #1 | 100% Complete |
| 131 | • Hypochlorite Storage and Transfer System | 100% Complete |
| 132 | • Digester Tank #1 Rehab and 50-ft Cover Replacement | 100% Complete |
| 133 | • Digester Tank #2 Rehab and 40-ft Cover Replacement | In progress |
| 134 | - Digester #2 Cleaning | 100% Complete |
| 135 | - Cover Demolition | 100% Complete |
| 136 | - Concrete repairs | In Progress |
| 137 | - Digester piping replacement | In progress |

138
139 The new cover will be constructed of Stainless-Steel (Grade 316) due to its high corrosive
140 resistance material, similar in design of Digester #1 new cover. Deliveries for Digester tank
141 including piping, center diffuser, and floating cover have been received and inventoried. Overaa's
142 crew has remobilized to install the piping. The welding and assembling of the new floating cover
143 will start on June 20. The new floating cover is expected to be commissioned and operational by
144 October 2023.

145
146 All contracts change orders are listed in Table #1 below:

147
148
149
150

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TABLE #1 CHANGE ORDER TRACKER					<i>NTP is 02/02/2018 (730 days)</i>	<i>Original Contract Completion 01/31/2020</i>
					<i>Rev: 11/14/2022</i>	
#	CO Type	Change Order - Activity	Status	Cost	Additional Contract Days	Additional Contract Days Total
1		COR #1 Cancelled	<i>n/a</i>	\$0	0	0
2	Value Added	Staff Parking Lot	<i>Completed</i>	\$9,099	2	2
3	Design Deficiency	H-20 Rated Hatch Install @ Headworks	<i>Completed</i>	\$8,994	2	4
4	Value Added	Primary Clarifiers #1 & #2 Coatings	<i>Completed</i>	\$235,681	5	9
5	Change-in-Site Condition	Primary Clarifiers Bay #1 & #2: Replace w/ New SS Rails and Rehab Supports	<i>Completed</i>	\$35,089	4	13
6	Change-in-Site	Headworks: Mud Valve Replacement	<i>Completed</i>	\$2,000	2	15
7	Value Added / Change-in-Site	20 work items completed under a T & M Force Account during July - Aug	<i>Completed</i>	\$19,877	3	18
8	Value added	Sandblasting and Coating of Trickling Filter #2 Influent Pipe	<i>Completed</i>	\$47,249	4	22
9	Value Added	Primary Clarifiers Bay #1 & #2: Coating of Basin Troughs and Scum Box	<i>Completed</i>	\$34,114	3	25
10	Change-in-Site	Testing, Removal, Trucking, and Landfill Disposal of 144 tons Contaminated Soil	<i>Completed</i>	\$25,244	2	27
11	Change-in-Site	Added Color to Concrete Perimeter Wall	<i>Completed</i>	\$10,398	0	27
12	Value Added	LIT Control wiring & Power	<i>Completed</i>	\$5,841	2	29
13		COR #13 Cancelled	<i>n/a</i>	\$0	0	29
14		COR #14 Cancelled	<i>n/a</i>	\$0	0	29
15		COR #15 Cancelled	<i>n/a</i>	\$0	0	29

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16	Value Added	1/4 Turn attachments to 23 plug valves	Completed	\$8,964	5	34
17	Change in Site	Tricking Filter #2 Base Coating (CREDIT)	Completed	(\$258,039)	0	34
18	Change in Site	Trickling Filter Metal Structure Repairs	Completed	\$102,275	14	48
19	Value Added	22 items under T&M Force Account in Sept	Completed	\$33,706	4	52
20	Change in Site	Trickling Filter #2 Fiberglass Media Support Beams and CIPP Liner (CREDIT)	Completed	(\$49,113)	0	52
21	Change in Site	DC#5 Fuel System Leak Detection Relocation	Completed	\$1,957	1	53
22	Value Added	Placement and compaction of 150 tons of 3/4" base rock along PW Access Road	Completed	\$9,585	1	54
23	Value Added	Bypassing Influent Work: Deep excavation manhole box, new tapping saddle to 22" dia force main, riser pipe, back fill, etc.	Completed	\$31,870	3	57
24	Value Added	12 work items completed under a T & M Force Account during Oct 2018	Completed	\$30,959	5	62
25	Change in Site	Headworks Roof Web Joist Modifications	Completed	\$10,122	1	63
26	Change in Site	Conductors, control wire, and conduit for Headworks gate H1 & H2 actuators	Completed	\$10,246	2	65
27	Change in Site	Ethernet switches w/ fiber ports	Completed	\$8,099	2	67
28	Change in Site	Grit pumps #1 & #2 pressure switches, gauges, & control wiring	Completed	\$12,813	1	68
29		COR #29 Cancelled		\$0	0	68
30	Change in Site	21 work items under T&M Force Account in Nov - Dec 2018	Completed	\$43,374	6	74
31	Change in Site	Secondary Clarifier Base Replacement & Leveling {\$106,545 cost to 800-820007-960}	Completed	\$0	11	85
32	Change in Site	15 work items under T&M Force Account in Jan - March 2019	Completed	\$58,290	6	91

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33	Value Added	Influent Pumps #1, #2, and #3 Installation	Completed	\$55,363	5	96
34	Value Added	Primary Clarifiers #3 & #4 Coatings	Completed	\$235,681	5	101
35	Value Added	Jan-May 2019 (Electrical & Coating) T&M Work	Completed	\$81,990	8	109
36	Value Added	New Local Control Panels for Grit Classifier & Conveyor System	Completed	\$28,230	4	113
37	Change in Site	Crack Injection Repairs to Digesters & Secondary Clarifiers	Completed	\$52,757	3	116
38	Change in Site	Replace 16 SS Influent Channel Stop Gates	Completed	\$142,439	5	121
39	Change in Site	Emergency Digester Gas Piping Replacement	Completed	\$72,232	5	126
40	Change in Site	Grout Injection Repairs to Stabilize TF#1 Foundation	Completed	\$72,139	2	128
41	Change in Site	Primary Clarifier #3 & #4 Three-Water Spray Piping Replacement	Completed	\$33,760	2	130
42	Change in Site	Delete Trickling Filter #2 Base Coating (CREDIT)	CREDIT	(\$258,039)	0	130
43	Change in Site	Delete Trickling Filter #1 Pipe Liner (CREDIT)	CREDIT	(\$16,746)	0	133
44	Value Added	Pista Grit Replacement	Completed	\$12,041	3	137
45	Value Added	March - September T&M Work Tasks	Completed	\$19,312	4	138
46	Value Added	Headworks Belt Conveyor Spray bar	Completed	\$6,264	1	138
47	Change in Site	COR #47 Cancelled	n/a	\$0	0	138
48	Change in Site	Reusing TF #2 existing metal structure (CREDIT)	CREDIT	(\$174,785)	0	138
49	Change in Site	Credit for unused quantities for six contract bid items (concrete repair type II, III, crack injection, etc.	CREDIT	(\$125,397)	0	138

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50	Value Added	<i>Delete the installation of aluminum pickets above new wall</i>	<i>CREDIT</i>	<i>(\$3,726)</i>	0	138
51	Change in Site	<i>Misc. Credits (delete butterfly valve install at R&E, 3 drain valves at PCs, and generator dual load bank load tests)</i>	<i>CREDIT</i>	<i>(\$41,281)</i>	0	138
52	Design Deficiency	<i>Installation of Above Storage Tank (AST) grounding system</i>	<i>Completed</i>	\$3,360	1	139
53	Value Added	<i>Influent Pumps #4 and #5 Installation</i>	<i>Completed</i>	\$65,054	4	143
54	Value Added	<i>Secondary Clarifier Sludge Collector Arm Metal Repairs</i>	<i>Completed</i>	\$9,682	2	145
55	Value Added	<i>Additional Site Paving Work</i>	<i>Completed</i>	\$13,448	0	145
56	Design Deficiency	<i>Headworks Ventilation Modifications</i>	<i>Completed</i>	\$246,262	90	235
57	Value Added	<i>Emergency Effluent Bypass Valves Replacement</i>	<i>Completed</i>	\$45,553	3	238
58	Design Changes	<i>(DC) #9: Harmonic Filters and DC #10 MCC-2 /MCC-4 PLC Alarms and I/O relocation</i>	<i>Completed</i>	\$77,858	3	241
59	Value Added	<i>Install Double-Pipe Containment Hypochlorite Transfer line</i>	<i>Completed</i>	\$90,055	30	271
60	Value Added	<i>Shop Bldg. Mods & Door Installations</i>	<i>Completed</i>	\$18,101	2	273
61	Value Added	<i>Channel Coating work after 13 isolation gates installed</i>	<i>Completed</i>	\$41,200	10	283
62	Value Added	<i>Primary South Clarifier HOA & Circuit Controls</i>	<i>Completed</i>	\$7,974	2	285

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63	Value Added	<i>Headwork Bldg.: Overhead LED Lighting Installation</i>	<i>Completed</i>	\$24,920	4	289
64	Value Added	<i>Genset Controls and Transformer Work</i>	<i>Completed</i>	\$30,895	2	291
65	Value Added	<i>Comms Wiring, Alarm, Low water Cut-off Repairs</i>	<i>Completed</i>	\$8,046	2	293
66	Value Added	<i>Bar screen, Compactor, and Grit Washer Local Controls Installation</i>	<i>Completed</i>	\$22,256	5	298
67	Value Added	<i>MCC-4 PLC Mods</i>	<i>Completed</i>	\$8,205	2	300
68	Value Added	Chlorine Contact Tube Improvements	<i>Completed</i>	\$18,510	5	305
69	Value Added	T&M Work: Jan-April 2020	<i>Completed</i>	\$90,953	7	312
70	Value Added	Metal Siding Install	<i>Completed</i>	\$9,421	1	313
71	Value Added	Primary Clarifiers and Digester Gas Pipe Protective Coatings	<i>Completed</i>	\$26,351	1	314
72	Value Added	Digester Gas Piping (Phase II) (\$148,794 cost from 2020 acct #)	<i>Completed</i>	\$0	14	328
73	Value Added	Secondary Clarifier Equipment Replacement (\$217,869 charge to 800-820007-960)	<i>Completed</i>	\$0	28	356
74	Value Added	Relocate Conveyor and Grit Classifier Controls	<i>Completed</i>	\$8,443	1	357
75	Value Added	Secondary Clarifiers Weirs & Baffle Replacements (\$121,264 charge to 800-820007-960)	<i>Completed</i>	\$0	28	385
76	Value Added	Go-No Alarm System Lighting Retrofits	<i>Completed</i>	\$2,781	0	385

**Sewerage Agency of Southern Marin
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77		Cancelled	--	\$0	0	387
78	Value Added	Hypochlorite Tank & Transfer System Replacement (\$165,229 charge to 800-821009-960)	Completed	\$0	30	417
79	Value Added	Site Work and Asphalt Improvements (\$58,700 charged to 800-820005-960)	Completed	\$0	0	417
80	Value Added	Secondary Clarifier #1 & #2 Repairs (\$124,517 charged to 800-820007-960)	Completed	\$0	8	425
81	Value Added	Site Work and Retaining Wall (\$14,000 charge to 800-820004-960)	Completed	\$0	1	426
82	Value Added	Digester #1 Floating Roof Demolition (\$171,000 charged to 800-821010-960)	Completed	\$0	10	436
83	Value Added	Digester #1 Floating Roof Replacement (\$1,214,420 to 800-821010-960)	In Progress	\$0	262	698
84	Value Added	Digester #1 Tank Interior Coatings & Joint Seal (\$224,723 to 800-821010-960)	Completed	\$0	0	698
85	Value Added	SASM T&M Work (Nov 2020 - March 2021) (\$122,442 to 800-821009-960)	Completed	\$0	0	698
86	Value Added	Digester #1 Tank System Piping Replacement (\$101,448 to 800-821010-960)	Completed	\$0	0	698
88	Value Added	Digester Gas Piping epoxy coatings (\$43,720 to 800-821010-960)	Completed	\$0	0	698
89	Value Added	Digester #1 Crack injection CREDIT (-\$19,687 to 800-821010-960)	Completed	\$0	0	698
90	Value Added	Tricking Filter Media #1 & #2 Replacement (\$2,173,229 to 800-818011-960)	Awarded	\$0	304	1,002

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91	Value Added	Digester #1 Lid Manufacture Acceleration CREDIT (-\$20,959 to 800-821010-960)	Completed	\$0	0	1,002
92	Value Added	Trickling Filter Media Replacement (\$2,100,000 to 800-821XXX-960)	In Progress	\$0	0	1,002
93	Value Added	Digester #1 Safety Perimeter Handrail System (\$33,614 to 800-821010-960)	Completed	\$0	0	1,002
94	Value Added	Digester #1 Lid T&M (800-821010-960)	Completed	\$0	0	1,002
95	Value Added	Demolition of Digester #2 Lid (\$178,776 to 800-82XXXX-960)	Awarded	\$0	0	1,002
96	Value Added	Digester #2 Lid Replacement (\$1,541,361 to 800-823003-960) Revised contract extension date is July 30, 2023	Pending	\$0	185	1,187
97	Value Added	Digester #2 Tank Interior Coatings (\$197,605 to 800-823003-960)	Pending	\$0	0	1,187
98	Value Added	Digester #2 Piping Replacement (\$139,689 to 800-823003-960)	Pending	\$0	0	1,187
	<u>Change Order %</u>	<u>8.96%</u>	<u>Total =</u>	<u>\$1,550,257</u>	July 30, 2023 Contract Extension	
			<i>Balance =</i>	<i>\$180,084</i>		

STAFF REPORT

TO: Sewerage Agency of Southern Marin Board of Commissioners

FROM: Mark Grushayev, WWTP Director

SUBJECT: Modifications to the SASM PLRP

DATE: June 15, 2023

ISSUE: Restructure of the Private Lateral Replacement Program (PLRP) aka “Cash for Sewers”

RECOMMENDATION:

Recommended Action: Approve modifications to the SASM PLRP.

BACKGROUND:

SASM developed the Private Lateral Replacement Program (PLRP) in 2009 as a requirement of the Administrative Civil Liability settlement agreement issued by the San Francisco Regional Water Resources Control Board (Waterboard). In 2019 the Waterboard concluded that SASM had complied with the requirements of the mandated program and had no further obligations under the settlement agreement. Since then, SASM has continued to implement the PLRP voluntarily and contributes an average of \$50,000 annually to this program. During the Annual Planning Session in April 2023, the SASM Board created a two-member ad hoc subcommittee tasked with evaluating the PLRP for potential amendments with a goal to make the program more beneficial and accessible to residents.

DISCUSSION:

The SASM Board recognizes the importance of the PLRP for the community, which is designed to assist homeowners with replacing or repairing their private sewer laterals, which in turn helps to reduce the Infiltration and Inflow (I/I) to the SASM agencies sanitary collection systems. The SASM Board included I/I reduction in its work plan and has allocated \$50,000 in the annual budget for the PLRP Program. SASM continues to publicize the PLRP via the SASM website.

Staff surveyed Marin County agencies that are structured and/or function similarly to SASM and found that none of the agencies with established incentive programs had any income eligibility requirements for the grants. Some of the agencies had no program at all and relied on their member agencies to facilitate this program according to the needs of the respective member agency. For example, the CMSA (Central Marin Sanitation Agency) doesn’t have a program, but their members, Ross Valley SD and Town of Corte Madera, each administer their own program.

A summary table of this survey is below:

**Sewerage Agency of Southern Marin
Board of Commissioners
Modifications to the SASM PLRP
June 15, 2023**

Survey of Marin County Agencies with WWTP

AGENCY	Grants	Loans	Inspection	Eligibility
CSMA (San Rafael)	NA	NA	NA	NA
NOVATO SD	\$2,000	NA	NA	NO
LGVSD	NA	\$10,000	NA	NA
SANI5 (Tiburon)	NA	NA	NA	NA
SMCSD (Sausalito)	\$2,000	NA	NA	NO
NMWD (Novato)	NA	NA	NA	NO

31
32 Based on this information and the input from the ad hoc subcommittee, staff recognizes that there is an
33 opportunity to clarify and simplify the requirements for residents to receive assistance for fixing or
34 replacing their private laterals and recommends the following changes:

35
36 **Summary of recommendations:**

- 37 • Increase the grant amount from up to 2,200 to up to \$3,000 per applicant, video sewer
38 inspections would be included in this amount.
- 39 • Remove the income eligibility requirement to make it more accessible.
- 40 • Eliminate the loan component from the program (member agencies may choose to provide this
41 form of assistance.)
- 42 • Include an option of providing payments directly to contractor, when requested by the applicant,
43 if work is completed and certified by the district.

44
45 **Staff recommends retaining the following requirements:**

46 Grants shall be available to single family owner-occupied residential properties with or without an
47 ADU, if it has a single lateral connection to the district sewer. Grant amount is 50% of the replacement
48 cost up to a maximum of \$3,000 (\$6,000 or greater replacement cost).

49 Approval of grant is contingent on providing a Certificate of Compliance issued by the appropriate
50 SASM member agency.

51 The PLRP application and flyer have been revised to include a checklist page listing all the required
52 documentation for participation in the program.

53
54 **Attachments:**

- 55
- 56 1. Amended PLRP Flyer
- 57 2. Amended PLRP Application

Sewerage Agency of Southern Marin

Cash For Sewers Program

Are you experiencing sewer problems? Help is here.

Do you have back-up problems?

Blockage in your sewer lateral line is the most common reason people have back-up problems with their plumbing system. Toilets get clogged and drains get backed-up.

Are you selling or thinking of selling your house?

Replacing your lateral sewer line can greatly increase the value of your home.



Did you know.....?

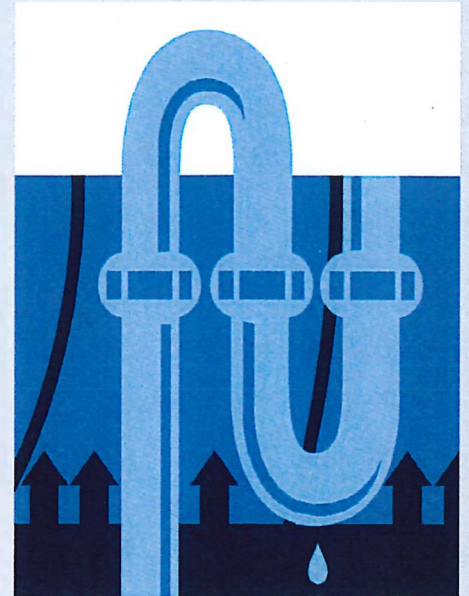
There are two main parts to a sewage system - the main line and the lateral line. The main line carries your sewage to the treatment plant, while the lateral line runs from your home to the main line.

Things like fats, oils and grease can clog up a sewer lateral line, and tree roots can enter and break the pipe. Other issues include breaks, cracks, failed pipe, and alignment problems.

Sewer Lateral Replacement Program

When you have a home with an old sewer system, repairs can get very expensive and inconvenient, and your home can decrease in value. SASM and its Member Agencies want to help qualifying homeowners access financial assistance to make it easier for residents to fix their sewers. The Sewer Lateral Replacement Program offers a grant for qualifying applicants to replace or repair sewer lateral lines.

There is no income limit for this program.



I. **The Grant Program** – provides a payment of up to 50% of the repair cost (\$3,000 cap) for a single family residence (owner occupied) in the SASM service area.

A **Certificate of Compliance** from the appropriate SASM member agency is required for participation in the program.

Questions? Ready to Apply?

- Call the Sewerage Agency of Southern Marin at (415)388-2402 or email sasm@cityofmillvalley.org
- Pick up an application at the SASM Wastewater Treatment Facility (450 Sycamore Avenue), Applications are also available at <http://www.sasmwwtp.org/>

Sewerage Agency of Southern Marin

Private Lateral Replacement Program Application

NOTICE

Additional information is available at www.sasmwwtp.org or by calling (415)388-2402

Submit this application to:

By Mail:

In Person:

Sewerage Agency of Southern Marin
Attn: Private Lateral Replacement Program
26 Corte Madera Avenue
Mill Valley, CA 94941

Sewerage Agency of Southern Marin
450 Sycamore Ave
Mill Valley, CA 94941
Or email application to sasm@cityofmillvalley.org

Grant Application

Property Owner(s) Name(s):

Street Address

Tax Assessor's Parcel No.:

Mailing Address (if different from above):

State:

ZIP Code:

Phone Number:

Email Address:

Program Information

Grant:

The grant program provides up to 50% of the repair cost (\$3,000 cap.)

Grant applicants must use the property as their primary residence and submit a receipt or invoice from a plumber along with a Certificate of Compliance from the member agency.

There are no income limits for grant applicants. Funds are distributed on a first come first serve basis. A W9

form is required.

PLEASE REFER TO THE LAST PAGE OF THIS APPLICATION FOR A CHECKLIST OF ALL NECESSARY DOCUMENTS YOU MUST PROVIDE IN ORDER TO QUALIFY

To help prioritize your application, please answer the following questions:

1. Is the sewer lateral plugged at this time? _____

State the nature of problem(s):

Tree Roots

Collapsed Pipe

Grease/Fat Build-up

Other: _____

2. Has your private sewer lateral been inspected by a licensed plumber? No Yes

Provide a copy of all documentation from your plumber regarding the condition of the sewer lateral.

3. Is this property owner occupied? No Yes

Certification

I certify by signing this application that I am the resident and legal owner of the property described herein and that I use this property as my primary residence. I have read the information discussing the requirements of the Private Lateral Replacement Program (PLRP) and i am aware that I will be contacted when the application is approved. All work must be performed prior to submitting this application. I am aware that the submission of this application does not constitute that a grant will be approved by SASM.

Signature of Applicant

Date:

Signature of Co-Applicant

Date:

Private Lateral Replacement Program Document Checklist

Applicant Name _____

Address _____

SASM Member Agency:

- Almonte Sanitary District
- Alto Sanitary District
- City of Mill Valley
- Homestead Valley Sanitary District
- Richardson Bay Sanitary District
- Tamalpais Community Services District

Checklist for Grant Application:

- Application
- IRS W9
- Receipt or invoice from contractor with description of work
- Certificate of Compliance from member Agency