



ANNUAL REPORT

2024



NPDES NO. CA0048054
ORDER NO. R3-2022-0014



January 30, 2025

SUBJECT: NPDES Permit No. CA0048054
ORDER No. R3-2022-0014
Annual Report-2024

In accordance with the requirements of the general provisions of the Summerland Sanitary District's NPDES Permit No. CA0048054, we are transmitting the District's Annual Report for 2024. The monitoring data is compiled throughout the year and is presented in both tabular and graphic forms.

As required, the following is a list of certified operators currently employed by the District:

- David W. Lewis, Operations Manager, Grade V-7378, expiration date 06/30/2026. David Lewis holds a CWEA Collections Maintenance Grade I #1308237908, expiration date 8-31-2025.
- Eduardo Nava, Lead Collections/ Treatment Plant Operator II, Grade II- 42423 expiration date 05/09/2026. Mr. Nava holds a Collections System Maintenance Grade 2 # 1308221151 CWEA. Expiration date 03-31-2025.
- Christopher R. Bennett, Operator II, Grade II-44983, expiration date 01/13/2028.
- Victor A. Aguilar, Operator In Training, OIT-I, expiration date 11/23/2025.

During 2024, all parameters of the effluent quality were within the limits set by the District's discharge permit. The monthly grease and oil, ammonia (nitrogen), total and fecal coliform, BOD, total suspended solids, and turbidity were analyzed by Fruit Growers Laboratory (FGL) of Santa Paula, California. FGL also completed the annual effluent, ocean, and sludge sampling analysis. Aquatic Bioassay & Consulting Laboratories, Inc (ABC Labs) in Ventura, California, performed chronic toxicity testing.

The Operation and Maintenance (O+M) Manual was reviewed and revised on 1/8/2025. The O+M Manual is complete and valid for the current facility.

The dry weather Average Daily Effluent Flow was 0.068 MGD for 2024 (approximately 23% of the 0.300 MGD permitted limit). One new sewer service connection was added to the collection system in the past year. The addition is a single-family dwelling. The rate of development in the Summerland Sanitary District service area is and has been,

very low. It is projected that the flows will not be near the facility capacity at any time in the foreseeable future.

For 2024, a total of 35.43 wet tons of biosolids were hauled to the Liberty Composting facility in Kern County by Synagro Technologies. The Biosolids Monitoring Report for 2024 is being submitted to USEPA NeT e-reporting system and CIWQS.

On September 5, 2024, the Salty Dog Dive Service of Santa Barbara California completed the inspection of the district's ocean outfall pipeline. The entire outfall inspection report is attached as a separate document and is uploaded under the CIWQS reporting system.

The Outfall Marker Buoy was also inspected on 9/5/2024. It was recommended that the buoy anchor chain be replaced. On 12/16/2024 the divers installed a new buoy anchor chain. The invoice has been attached in CIWQS.

Collection System Maintenance and Renovation Program

Objective:

To prevent sanitary overflows, increase system reliability, optimize the service life of collection system components, plan for facility replacement, and educate the public on the importance of maintaining private laterals.

Goals- Short Term:

- Continue systematic cleaning and closed-circuit televising of the collection system to identify problem areas and the effectiveness of cleaning efforts. Repair problem areas if found.
- As needed, locate, raise, and repair District manholes and cleanouts.
- Monthly updating of District Atlas with any changes that may be needed (new service connections, new manholes, collection system repairs etc.).
- As the collection system is televised, update property connection data for future reference. This entails getting footage from the nearest manhole to property lateral connection into the district's main sewer line. Other property information will be entered if pertinent to sewer service.

Goals- Long Term:

- Repair collection system mainlines if problems found by means of point repair or slip-lining of collection mainline.
- To have the collection system in a state of operation where only minor repairs are needed.

Actions completed in 2024:

- In 2024, approx. 12,544 feet of collection mainline was cleaned by District staff using a trailer-mounted hydrojetter.

- Annual and routine maintenance of three lift stations and four on-site generators.
- The Sewer System Management Plan (SSMP) was updated in May 2023.

2024 Reported Overflows:

No sanitary sewer overflows were reported for the calendar year 2024.

Please feel free to contact me if you have any questions or need additional information.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [40 CFR §122.22(d)].

Sincerely,

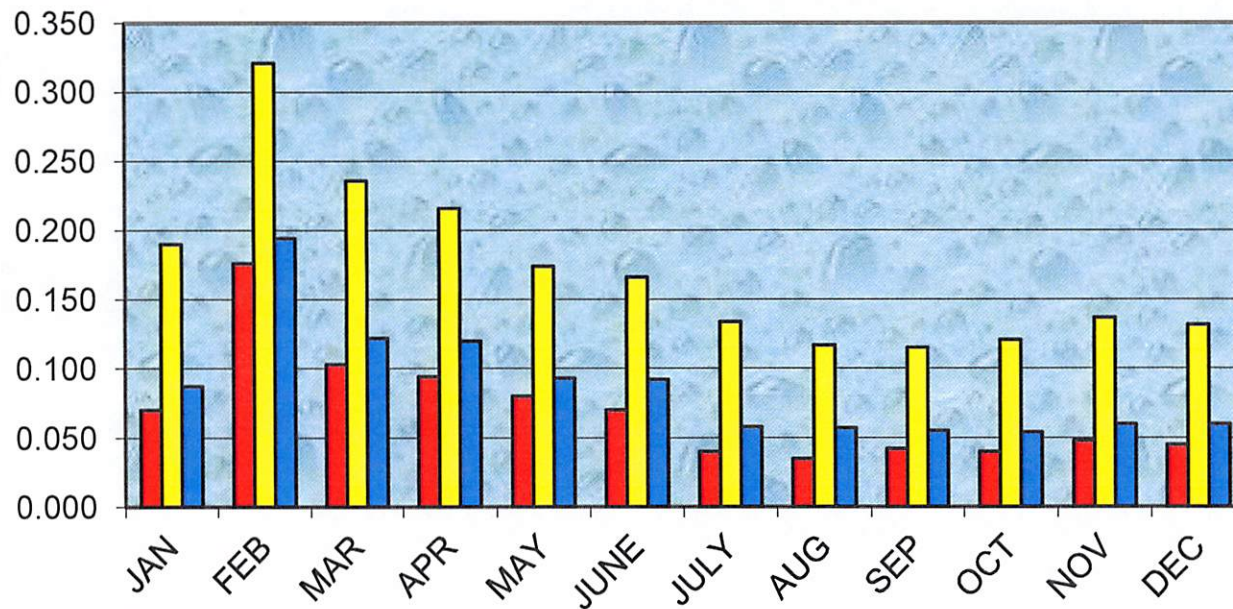


David W. Lewis
Operations Manager
Summerland Sanitary District

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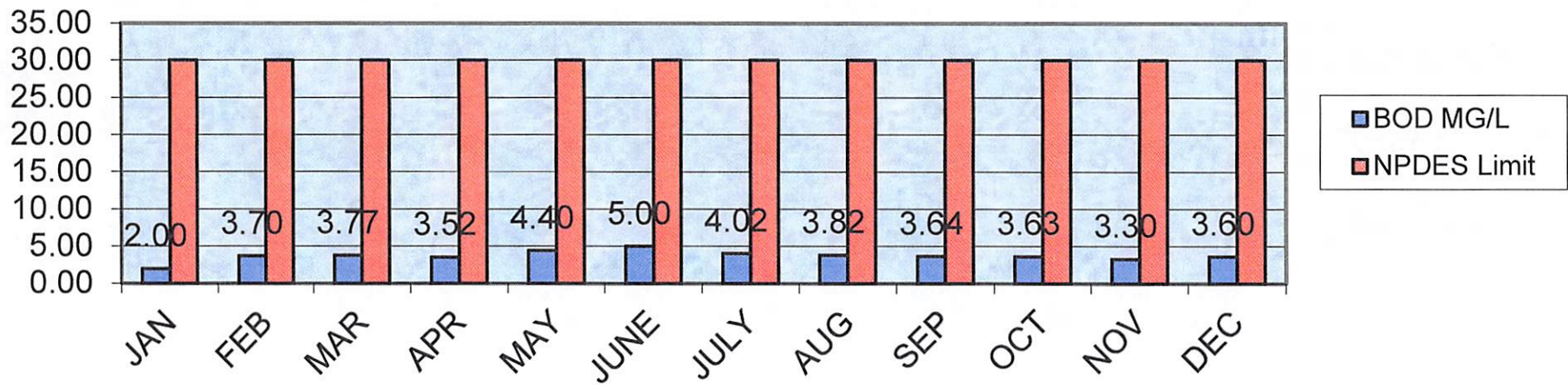
SSD FLOW DATA MGD 2024

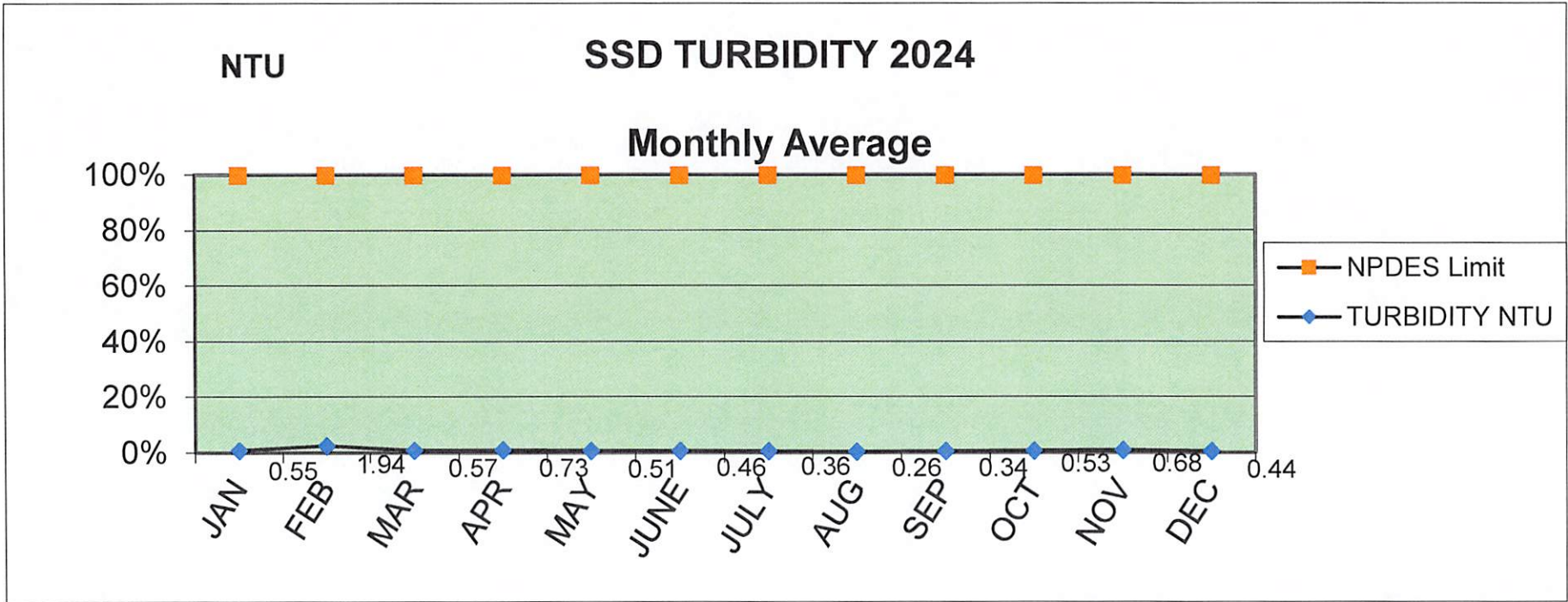


Yearly Averages

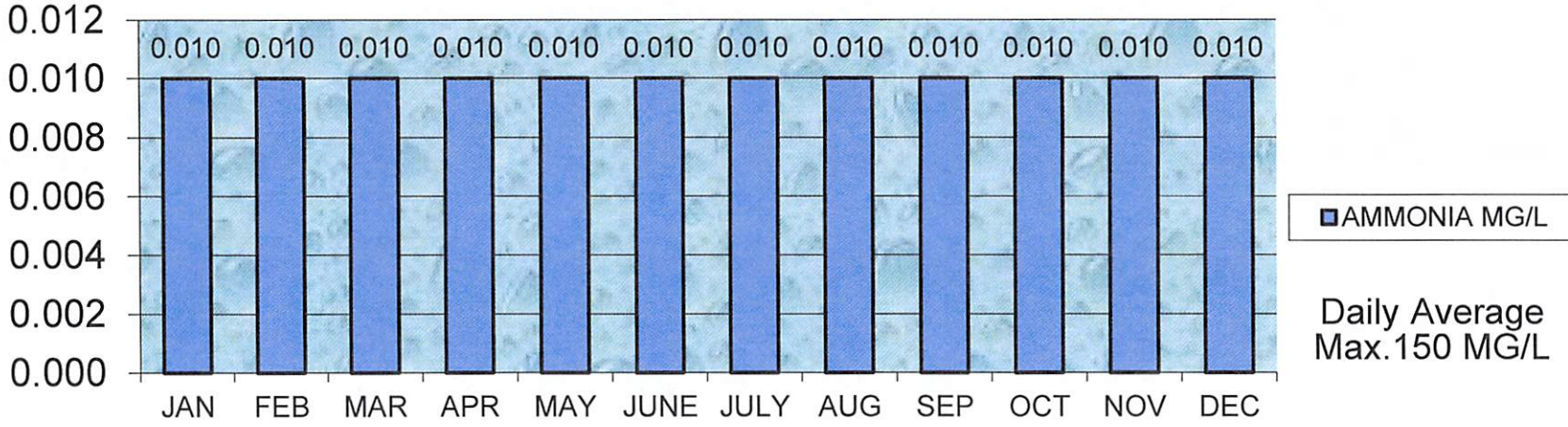
InstMax	MaxDaily	Avg.Daily
0.116	0.151	0.067

SSD BOD MG/L 2024 Monthly Average



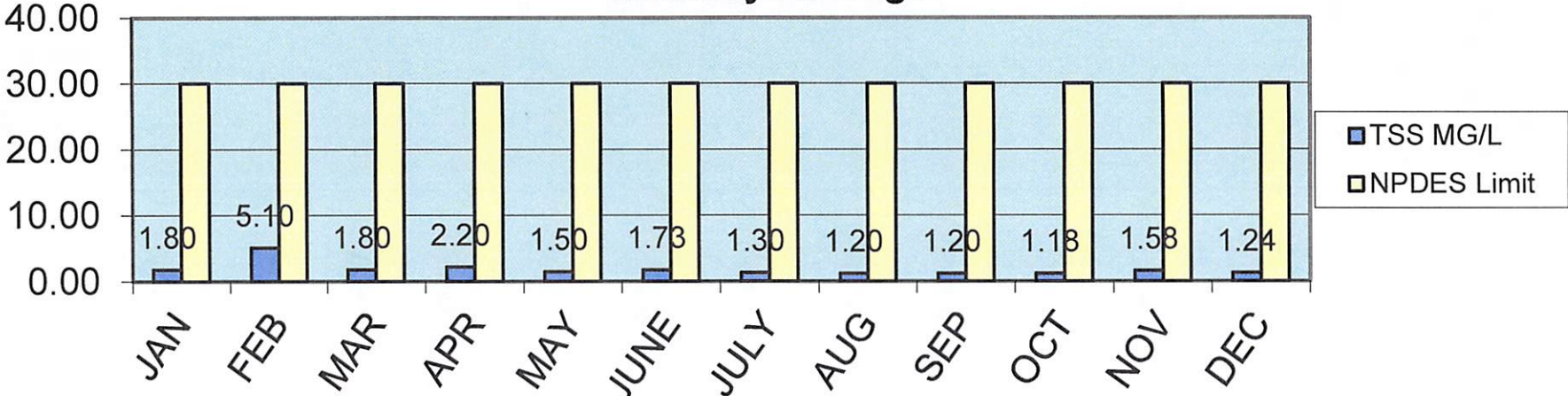


SSD AMMONIA MG/L 2024 Monthly Average

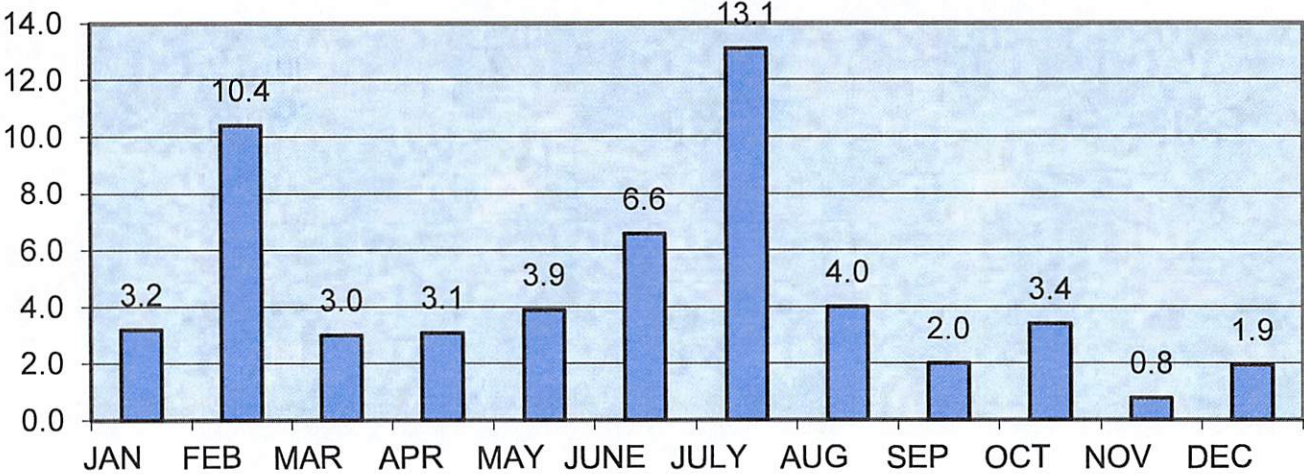


SSD TSS MG/L 2024

Monthly Average



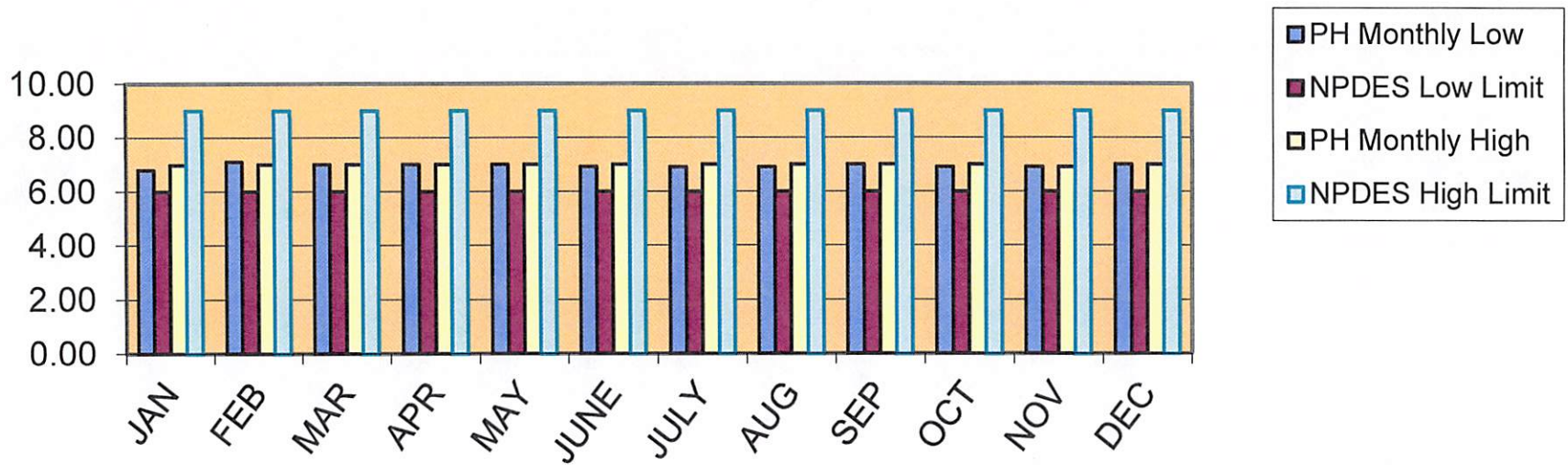
SSD TOTAL COLIFORM 2024



■ T COLIFORM
MPN/100 ML

Any single sample shall not exceed 2300 MPN

SSD pH Standard Units 2024



MONTH	INST DAILY	MAX DAILY	AVG DAILY	BOD MG/L	NPDES Limit	TURBIDITY NTU	NPDES Limit	AMMONIA MG/L	NPDES Limit	TSS MG/L	NPDES Limit	T COLIFORM MPN/100 ML
JAN	0.070	0.190	0.087	2.00	30	0.550	75	0.010	150	1.80	30	3.2
FEB	0.176	0.321	0.194	3.70	30	1.938	75	0.010	150	5.10	30	10.4
MAR	0.103	0.236	0.122	3.77	30	0.566	75	0.010	150	1.80	30	3.0
APR	0.094	0.216	0.120	3.52	30	0.730	75	0.010	150	2.20	30	3.1
MAY	0.080	0.174	0.093	4.40	30	0.510	75	0.010	150	1.50	30	3.9
JUNE	0.070	0.166	0.092	5.00	30	0.460	75	0.010	150	1.73	30	50.8
JULY	0.040	0.134	0.058	4.02	30	0.360	75	0.010	150	1.30	30	13.1
AUG	0.035	0.117	0.057	3.82	30	0.263	75	0.010	150	1.20	30	4.0
SEP	0.042	0.115	0.055	3.64	30	0.340	75	0.010	150	1.20	30	2.0
OCT	0.040	0.121	0.054	3.63	30	0.530	75	0.010	150	1.18	30	3.4
NOV	0.048	0.137	0.060	3.30	30	0.680	75	0.010	150	1.58	30	0.8
DEC	0.045	0.132	0.060	3.60	30	0.440	75	0.010	150	1.24	30	1.9
AVERAGE	0.070	0.172	0.088	3.70	30	0.614	75	0.010	150	1.82	30	8.3

MONTH	NPDES Low Limit	PH Monthly High	NPDES High Limit	CHLORINE GPD	SLUDGE TONS	usp'd Solids Lbs/d	BOD Lbs/d
JAN	6	6.97	9	19		1.30	3.84
FEB	6	7.00	9	24		12.30	7.23
MAR	6	7.00	9	11		1.70	3.53
APR	6	7.00	9	16		2.50	3.82
MAY	6	7.00	9	14	35.43	1.00	3.11
JUNE	6	7.01	9	16		1.18	3.63
JULY	6	7.00	9	16		0.60	1.75
AUG	6	7.00	9	18		0.50	1.63
SEP	6	7.00	9	16		0.50	1.65
OCT	6	7.00	9	16		0.50	1.51
NOV	6	6.90	9	17		0.84	1.75
DEC	6	7.00	9	16		0.58	1.67
AVERAGE	6	6.99	9	17	35.43	1.96	2.93

Salty Dog Dive Service

Summerland Sanitary District Outfall Dive Inspection Report September 5, 2024

On September 5th, 2024 Salty Dog Dive Service performed an under water inspection of the Summerland Sanitary District outfall pipe and diffusers. We also cleaned and inspected the pipeline marker buoy, chain, swivel and shackles. Underwater visibility varied between 3'- 6'. Below are our findings:

- On the first dive we cleaned the buoy and the chain from the buoy down to the clump weight. The chain was covered with mussels and hard marine growth. We scraped and scrubbed the chain, shackles and swivel clean. We also cleaned the top of the buoy, which was covered with guano. The anti-fouling bottom paint on the buoy is in fair condition. Growth on the buoy was fairly heavy. The plate on the top of the buoy is intact and secure. The stainless steel eye at the bottom of the buoy shows slight wear but is still solid. The buoy was sitting straight up and not listing. The chain from the bottom of the buoy to the clump weight on the bottom is worn thin and needs to be replaced before winter. The swivel under the buoy is solid and working well. All of the shackles are slightly worn and should probably be replaced when the chain is replaced. They are secure and seized with stainless steel seizing wire. The "No Mooring" reflective lettering on the buoy is a little worn but still intact.
- On the second dive we inspected the outfall and diffusers. We started the outfall pipe inspection from the offshore end of the outfall, working toward the beach. First, we inspected the diffusers and found the east diffuser visibly flowing and no flow from the west diffuser. We then inspected the outfall pipe until it became completely buried in sand. We were able to inspect inshore to the 23rd pipe/flange. At this point the outfall became buried completely. We also inspected the patch and hardware on the pipeline. It looked secure with all of the bolts intact. No effluent was visible coming from the repaired area.
- The diffusers and the outfall pipe are completely covered with very heavy marine growth and kelp. We did not see any areas of the pipeline that were damaged and there was also no effluent leaking from the pipeline.
- The first 6 pipes are laying flat in the sand and buried half to three quarters and some areas had only the very top of the pipe exposed above the sand level. The next 5 pipes (7 - 11) are laying flat in the sand, buried halfway. The next 7 pipes (12- 18) were laying flat on the sand. These pipes had sand built up on the west side of the pipe but the bottom of the pipe on the east side is completely exposed and visible. There is some sand scoured out on the east sides of these pipes but there are no areas where the sand was completely scoured out. The next 5 pipes (19-23) are mostly buried with only a little of the top of the pipe rising above the sand. After this point, the pipe becomes completely covered with sand.



Marine Contracting and Dive Service

6 Harbor Way #205, Santa Barbara, CA 93109 phone (805) 962-9009 • fax (805) 962-1979
CA State License #763868

Salty Dog Dive Service

- We did not see anything lying on the pipe or any damage to any part of the outfall.
- We recommend replacing the chain from the buoy to the clump weight as it is worn very thin, before winter.

Report prepared by Rick Sanchez
Salty Dog Dive Service
September 16, 2024



Marine Contracting and Dive Service

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CA State License #763868

Salty Dog Dive Service

Salty Dog Dive Service
6 Harbor Way #205
Santa Barbara, CA 93109

Invoice 815

September 10, 2024

David Lewis
Summerland Sanitary District
P.O. Box 417
Summerland, CA 93067

Job Date: August 15, 2024

Job Description: Collect and deliver water samples.

Charges: \$475.00

Job Date: September 5, 2024

Job Description: Provide under water service to inspect Summerland Sanitary District outfall pipeline, diffusers, outfall marker buoy, ground tackle and buoy chain. Clean outfall buoy, chain, swivel and shackle.

Charges: \$6,745.00

Total Due: \$7,220.00

Thank you!



Marine Contracting and Dive Service

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CA State License #763868

Salty Dog Dive Service

Salty Dog Dive Service
6 Harbor Way #205
Santa Barbara, CA 93109

Invoice 1216

December 17, 2024

David Lewis
Summerland Sanitary District
P.O. Box 417
Summerland, CA 93067

Job Date: December 16, 2024

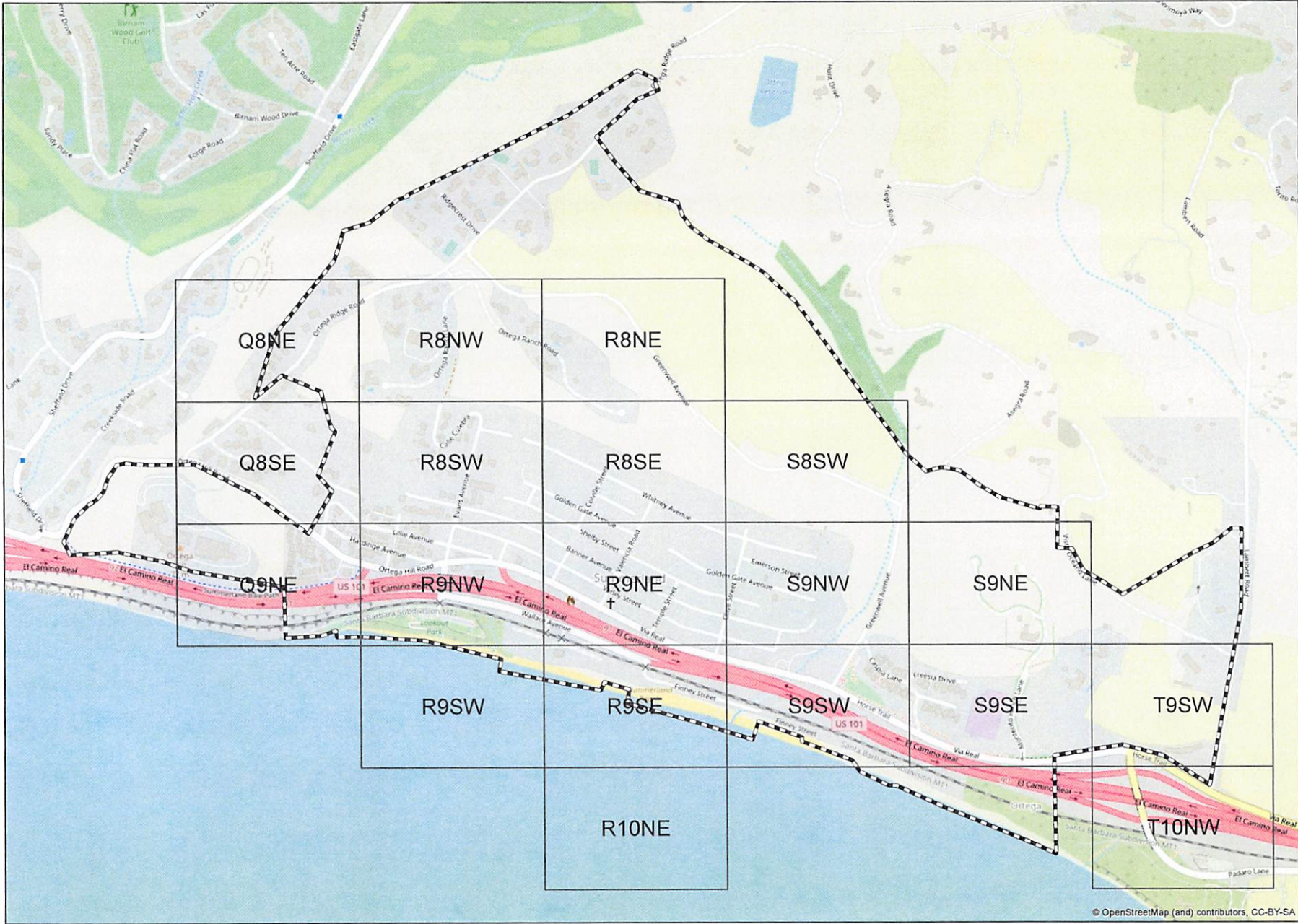
Job Description: Provide under water services to clean marker buoy and replace all 30' of 3/4" galvanized chain, 3/4" swivel and shackles from marker buoy to clump weight.

Charges: \$4,164.00

Thank you!



Marine Contracting and Dive Service
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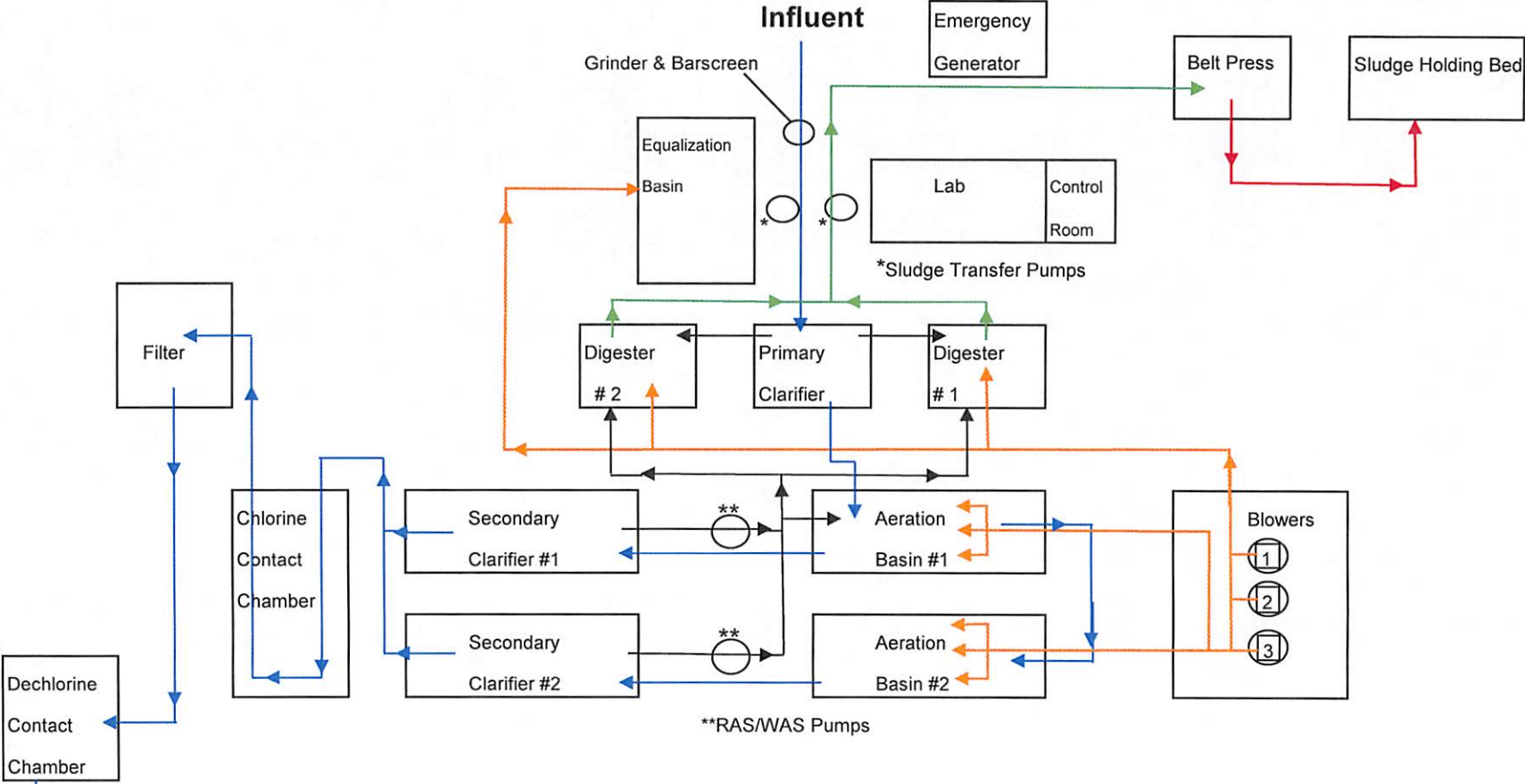
SUMMERLAND SANITARY DISTRICT
March, 2021

- # Map Grid
- Dashed line District Boundary

2021 Mainline System Totals:
45,888 Feet
8.7 Miles



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SUMMERLAND SANITARY DISTRICT

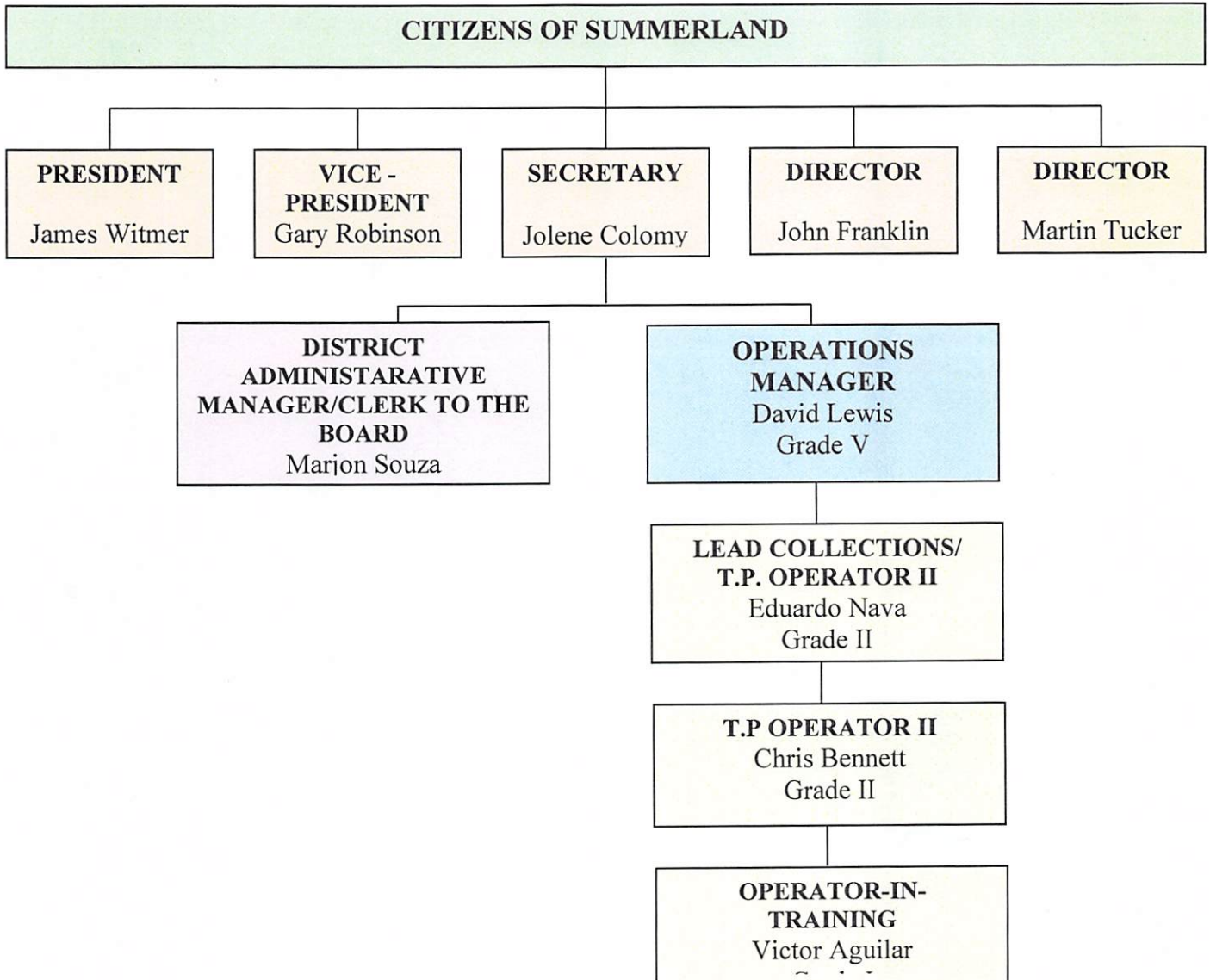
Treatment Plant Flow Diagram
 Design Flow .3 MGD
 Average Daily Flow .07 MGD

- Legend:
- Blue → Wastewater Flow
 - Orange → Air Flow
 - Black → RAS/WAS Flow
 - Green → Sludge Flow to Dewatering
 - Red → Biosolids Handling

To Ocean Outfall
 Santa Barbara Channel
 34° 25' 00" North Latitude 119° 35' 48" West Longitude

NPDES No. CA0048054
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SUMMERLAND SANITARY DISTRICT ORGANIZATION CHART- December 2024



Summerland Sanitary District Biosolids Hauled 2024

Month	Wet Tons	%Solids	Dry Tons
January			-
February			-
March			-
April			-
May	35.43	16.9	5.98
June			-
July			-
August			-
September			-
October			-
November			-
December			-
Total	35.43	16.9	5.98