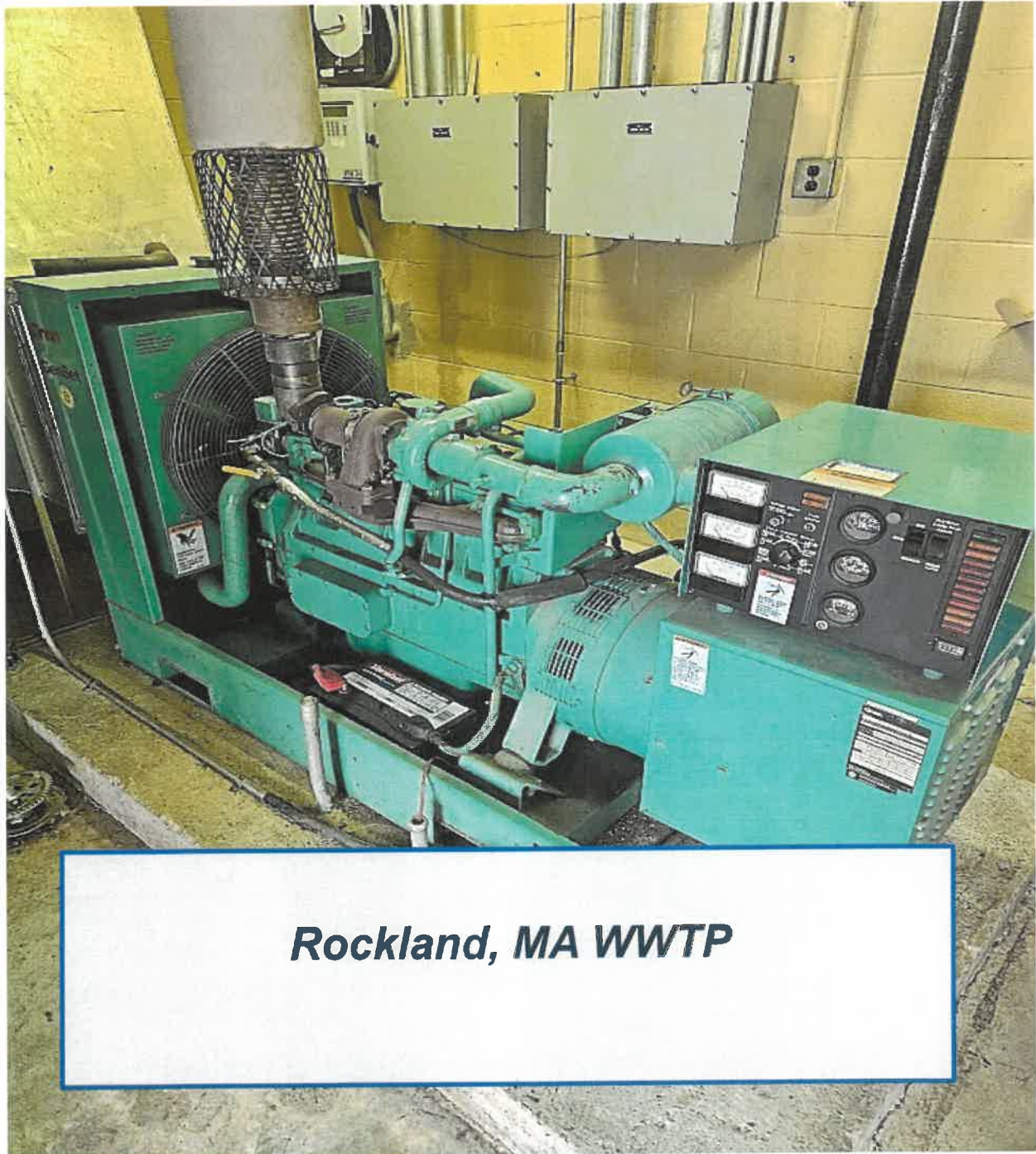




Monthly Operating Report

FEBRUARY 2025



Rockland, MA WWTP



March 15, 2025

Mr. David Taylor

Rockland Sewer Superintendent Interim

587 Rear Summer Street

Rockland, MA 02370



RE: Rockland Wastewater Facility

Monthly Report—February 2025

Dear Representative of Rockland Sewer Affairs,

I have enclosed February 2025 Monthly Operating Report (MOR) for the Veolia Operations and Maintenance contract.

Please contact me if you have any questions regarding this report.

Sincerely,

A handwritten signature in blue ink, appearing to read "Megan Lynch".

Megan Lynch
Veolia Project Manager

Jesse Freeman
Veolia Assistant Project Manager

CC: Rockland Sewer Commissioners

Micheal Mullen

Walter Simmons

Mathew Ryan



1. SUMMARY:

1. The facility will be reporting **0** exceedance for the month of January.
2. There was **0** lost time / first aid injuries throughout the month.
3. The facility treated a total of **66.112** million gallons. The average daily flow was **2.361**
4. The total rainfall for this reporting period was **2.32"**
5. I&I Work is ongoing
6. **1** preventive maintenance work order was closed out, and **18** corrective maintenance work orders. There were 11 emergency call outs.
7. Massachusetts general wastewater permit began April 1st, 2023

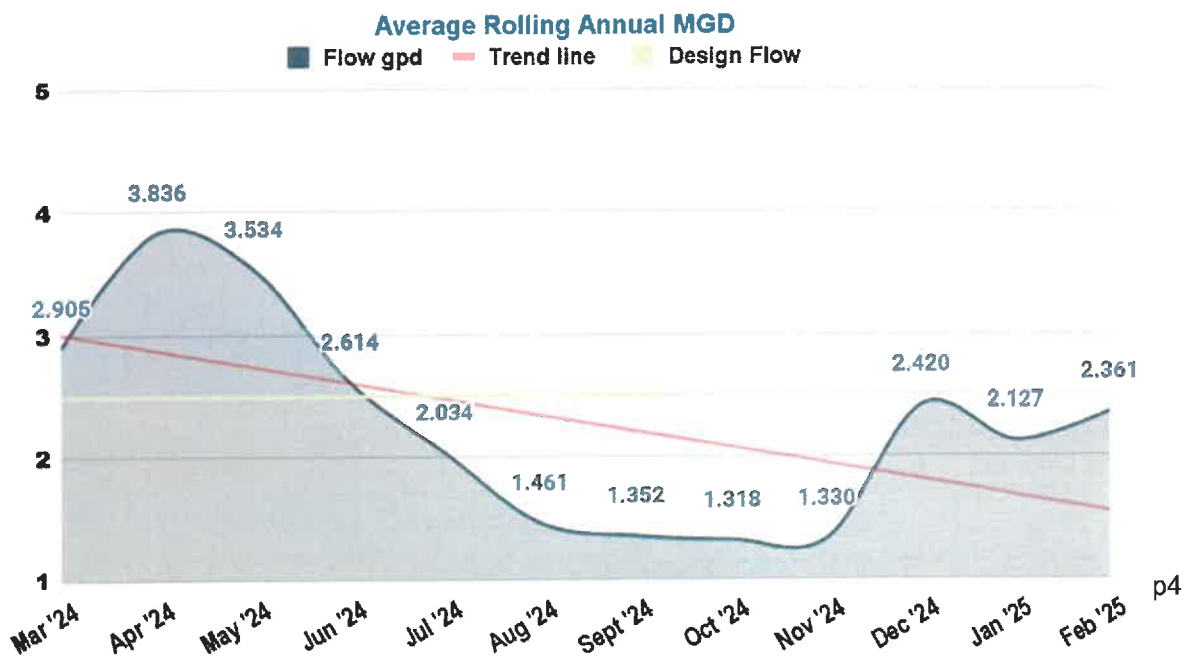
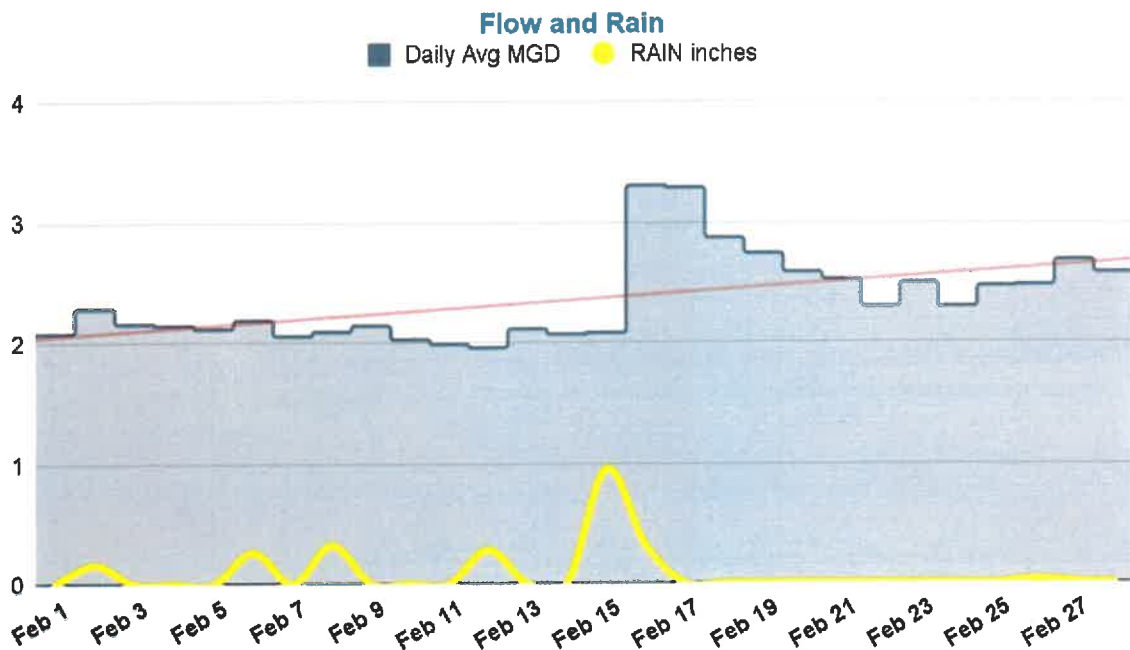
2. STAFFING:

Current Employee Licenses as of 11/31/2024											
		Hoisting		Wastewater				NEWEA Collections			NEWEA Lab
Employee	Title	1C Forklift	1B Boom Truck & Forklift	3M	5C	6C	7C	I	II	IV	I
Megan Lynch	Project Manager	X	X				X			X	
Jesse Freeman	Asst. Project Manager	X				X					
Charles Amaral	Maint Foreman				X				X		
Garry Murrill	Operator				X				X		
Yuir Fernandes	Operator				X						
Cristian Ryan	Operator			X	X						
Camden Ryan	OIT										
Fred Anzivino	OIT										
Shaun Chaponis	Operator				X			X			



3. FLOWS AND LOADINGS:

1. The facility treated a total of **66.112 MG** during the month of January 2025. The daily average flow was **2.361 MGD**. This was **.544 MGD LESS** than the previous February monthly average **in (2024)**, which was recorded at **2.905 MGD (2024)**. The highest daily flow was recorded on January 1st as **3.004 MGD**.
2. The lowest daily flow was recorded on February 12th, as **1.960 MGD**.
3. The highest **peak** flow was recorded on February 16th, as **4.260 MGD**.
4. A total of **2.32"** of precipitation was received at the facility. The highest single day precipitation total was recorded on February 15th, as **.95 "**.
5. The coldest day was 21st as , **1 F**. The warmest day was 27th as ,**50 F**.





3.1 INFLUENT **BOD** AND **TSS** LOADING

Month Year	INF	EFF	INF	EFF	INF	INF	INF	INF TSS
	Inf	Eff	Inf	eff	in	in	MOV	MOV
	FLOW	FLOW	MOV	MOV	BOD	TSS	AVG	AVG
	MGD	MGD	MGD	MGD	LBS	LBS	LBS	LBS
Mar '24	4.212	3.836	2.735	2.499	4,312	3,098	4,533	3,187
Apr '24	3.886	3.534	2.843	2.609	5,490	3,789	4,616	3,220
May '24	2.899	2.614	2.877	2.646	5,118	3,910	4,629	3,296
Jun '24	2.317	2.034	2.896	2.671	5,100	5,453	4,629	3,488
Jul '24	1.723	1.461	2.839	2.620	4,463	3,979	4,627	3,519
Aug '24	1.824	1.616	2.816	2.586	4,014	5,460	4,573	3,692
Sept '24	1.568	1.352	2.742	2.487	4,466	4,066	4,566	3,786
Oct '24	1.485	1.318	2.690	2.417	4,197	4,603	4,546	3,908
Nov '24	1.541	1.330	2.646	2.355	4,343	2,752	4,582	3,934
Dec '24	2.716	2.424	2.597	2.325	5,602	4,839	4,659	4,097
Jan '25	2.432	2.127	2.457	2.212	4,277	3,356	4,650	4,081
Feb '25	2.706	2.361	2.432	2.167	4,147	2,435	4,627	3,978

Please note : eff MOV AVG is a 12 month moving average. The reported rate is Eff Flow.

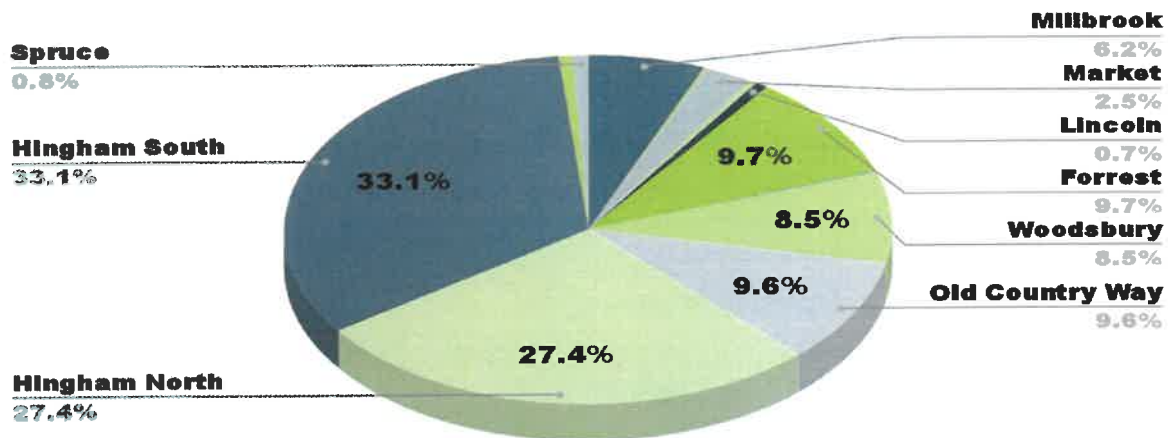


3.2 LIFT STATION FLOWS

The lift stations accounted for **17,451 million gallons** throughout the month, **26 %** of the total plant flow. Please note that monthly lift station flow totals are purely estimates based off of pump run hours and estimated flow rates. Values are not intended to in any way be used as design capacity volumes for potential future rehab / replacement projects.

Lift Station Monthly Average Daily Flows (GPD)									
Month	Millbrook	Market	Lincoln	Forrest	Wood	Old Country	Hingham N	Hingham S	Butternut
	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD
Mar'24	43,470	14,411	7,500	58,200	61,714	77,625	193,436	246,471	5,529
Apr'24	31,912	15,290	2,787	52,568	58,355	78,852	184,994	236,903	5,632
May'24	33,062	14,419	2,768	53,042	47,787	53,381	159,735	204,503	3,339
June'24	27,941	12,968	2,516	47,894	40,877	47,352	137,334	173,148	2,700
July'24	26,791	13,452	2,439	43,423	35,071	35,429	133,084	151,548	2,555
Aug'24	26,094	13,403	2,884	42,745	38,961	36,987	130,297	148,761	2,787
Sep'24	23,342	11,903	2,535	42,406	27,987	33,329	120,890	139,355	1,684
Oct'24	30,554	12,677	2,613	48,165	33,561	36,716	129,252	143,884	2,148
Nov'24	30,170	13,306	2,826	46,268	35,245	35,023	130,035	141,445	2,468
Dec'24	30,449	14,782	3,232	53,042	48,542	45,319	155,433	181,510	3,774
Jan'25	34,978	15,919	3,252	51,118	47,497	49,858	142,142	171,058	3,339
Feb'25	31,425	12,677	3,387	48,998	43,026	48,300	138,362	167,226	3,687
Avg GPD	13,767	2,169	3,228	48,989	43,219	48,181	146,250	175,484	3,304

Pump Stations February 2025





4.0 SOLIDS HANDLING

The BFP operated a total of **89.4** hours this month and a total of **301,588** gallons were processed producing **123** Wet Tons of sludge that was hauled from the facility. The average BFP feed percent solids were **1.18 %** and the BFP Cake average percent solids were **18.43 %**.

Date	BFP Run Hours	Total Digester Feed	Total BFP Feed	Polymer Used	Actual Sludge Weight	Aver. Press Feed Total Solids	Average Cake Total Solids	Sludge Pick Up	Grit
Mar '24	122.3	331,384	362,712	119.2	86.0	2.32	21.64	6.00	
Apr '24	164.0	321,384	500,524	131.2	51.0	1.69	21.51	6.00	
May '24	131.0	371,436	373,008	108.0	66.0	1.81	20.97	5.00	
Jun '24	114.9	438,919	357,639	99.4	49.0	1.80	21.50	5.00	
Jul '24	114.9	620,475	587,962	157.5	131.0	2.06	21.84	8.00	
Aug '24	172.8	469,021	503,173	132.0	144.0	2.01	23.42	7.00	
Sept '24	156.7	388,696	442,447	124.8	58.0	1.37	24.78	5.00	
Oct '24	165.9	474,833	431,295	122.8	111.0	1.71	23.46	7.00	
Nov '24	137.7	434,469	355,009	98.0	80.0	2.00	23.00	4.00	
Dec '24	138.2	331,535	373,421	115.0	66.0	1.47	21.30	4.00	
Jan '25	141.4	446,843	521,901	152.4	139.0	1.35	19.72	8.00	
Feb '25	89.4	474,370	301,588	76.8	123.0	1.18	18.43	6.00	
Rolling Total	1,649	5,103,365	5,110,679	1,437	1,104	20.77	261.57	71	0.00
Avg.	137	425,280	425,890	120	92	1.73	21.80	5.9	*****



5.0 ENVIRONMENTAL COMPLIANCE

5.1 REGULATORY REPORTING

1. The EPA and MADEP December NETDMR was submitted on the CDX website on March 14th 2025.

5.2 NPDES COMPLIANCE

The facility will be reporting (1) exceedance(s) for the month of February 2025. The Weekly Average for the week ending on February 22nd was 22mg/L and the permit limit is 20 mg/L. The daily number was met and the monthly average TSS number was also met.

	Plant Flow	BOD	BOD	TSS	TSS	NH3	Total P	Ph	E. Coli	Dissolved Oxygen
Date	MGD	Mg/L	Lbs./Day	Mg/L	Lbs./Day	Mg/L	Mg/L	Ph	CFU/100 ml	Mg/L
1	3.00							7.40		
2	2.93							7.37		
3	2.78							7.42		
4	2.74							7.53	387	
5	2.68	9.0	201	7.0	156	0.60	0.55	7.43		
6	2.56							7.44		
7	2.31							7.42		
8	2.30									
9	2.19									
10	2.09							7.36		
11	2.08							7.39	93	
12	2.15	13.0	233	7.0	125			7.38		
13	2.02							7.42		
14	1.99							7.39		
15	1.97							7.34		
16	1.89							7.28		
17	1.81									
18	1.98							7.21	286	
19	2.03	4.0	68	22.0	372	0.50	0.35	7.30	141	
20	2.00							7.35	59	
21	1.97							7.32		
22	1.95							7.27		
23	1.89							7.27		
24	1.78							7.41		
25	1.96							7.45	36	
26	1.99	6.0	124	4.0	83			7.32		
27	1.81							7.39		
28	1.77							7.39		

Effluent copper : 0 micrograms. // Aluminum : 0 micrograms. Total Nitrogen <10 ppm avg. Total BOD & TSS Removal : at 98.6 %



6.1 ELECTRICAL OVERVIEW

The department used a total of **162,971 KWH** for the month of February 2025. Of this total, the lift stations accounted for **29 %**, using **48,071 KWH**. The Main Plant accounted for the remaining **114,900 KWH**. The KWH/ MG treated was **1,7338** for the month and the KWH/Lb BOD Removed was **1.03 KWH/Lb.** for the month.

Monthly Energy Consumption										
Month	Plant Average Daily Flow (NO HFMP)	Plant Total Effluent Flow	Plant KWH (Total Billed)	KWH/MG Treated (Plant)	Plant Lbs BOD Removed	KWH/Lb BOD Removed (Plant)	Off Peak Demand (Plant)	Peak Demand (Plant)	Total Lift Station KWH	Total KWH (Plant & Stations)
	MGD	MG	KWH	KWH/MG	Lbs	KWH/Lb	KW	KW	KWH	KWH
Mar '24	3.58	110.89	111,000.00	1,001.00	128,077.00	0.87	222.00	216.00	16,633.00	127,633.00
Apr '24	3.40	101.85	143,700.00	1,411.00	158,901.00	0.90	228.00	237.00	17,451.00	161,151.00
May '24	2.61	81.03	112,800.00	1,392.00	155,428.00	0.73	210.00	219.00	16,066.00	128,866.00
Jun '24	2.03	61.01	116,100.00	1,903.00	151,206.00	0.77	186.00	222.00	12,509.00	128,609.00
Jul '24	1.46	45.28	123,000.00	2,716.00	137,028.00	0.90	186.00	195.00	36,406.00	159,406.00
Aug '24	1.62	50.11	117,000.00	2,335.00	123,371.00	0.95	195.00	189.00	33,188.00	150,188.00
Sept'24	1.35	40.55	111,300.00	2,745.00	132,735.00	0.84	171.00	176.00	32,996.00	144,296.00
Oct'24	1.32	40.86	100,500.00	2,460.00	128,678.00	0.78	171.00	186.00	31,387.00	131,887.00
Nov '24	1.33	39.89	103,500.00	2,595.00	128,575.00	0.80	168.00	174.00	34,604.00	138,104.00
Dec '24	2.42	75.15	123,600.00	1,645.00	170,431.00	0.73	171.00	177.00	42,000.00	165,600.00
Jan '24	2.13	65.93	126,900.00	1,925.00	126,676.00	1.00	228.00	222.00	50,493.00	177,393.00
Feb '24	2.36	66.11	114,900.00	1,738.00	112,021.00	1.03	195.00	198.00	48,071.00	162,971.00
Average	2.13	64.89	117,025.00	1,988.83	137,760.58	0.86	194.25	200.92	30,983.67	148,008.67



7.1 WORK ORDER OVERVIEW

WO Type	Total This Month	Total This Year
Preventative Maintenance	1	1149
Corrective Maintenance	18	143
Emergency Call Outs	11	43
Total		

7.2 EMERGENCY CALL OUTS FOR THE MONTH

Type	Total this Month	Total this Year
Sewer Back Up / Collections	2	7
Pump Station	1	15
Plant	1	11
Odor	0	1
Power Outages	0	17

7.3 INSPECTIONS / ANNUAL PMS COMPLETED DURING THE MONTH

1. All pump station alarms checked
2. Eye wash inspections completed weekly
3. Fire extinguisher inspections completed monthly

7.4 COLLECTION SYSTEM AND IPP ASSISTANCE PERFORMED BY VEOLIA

COLLECTION SYSTEM ASSISTANCE:

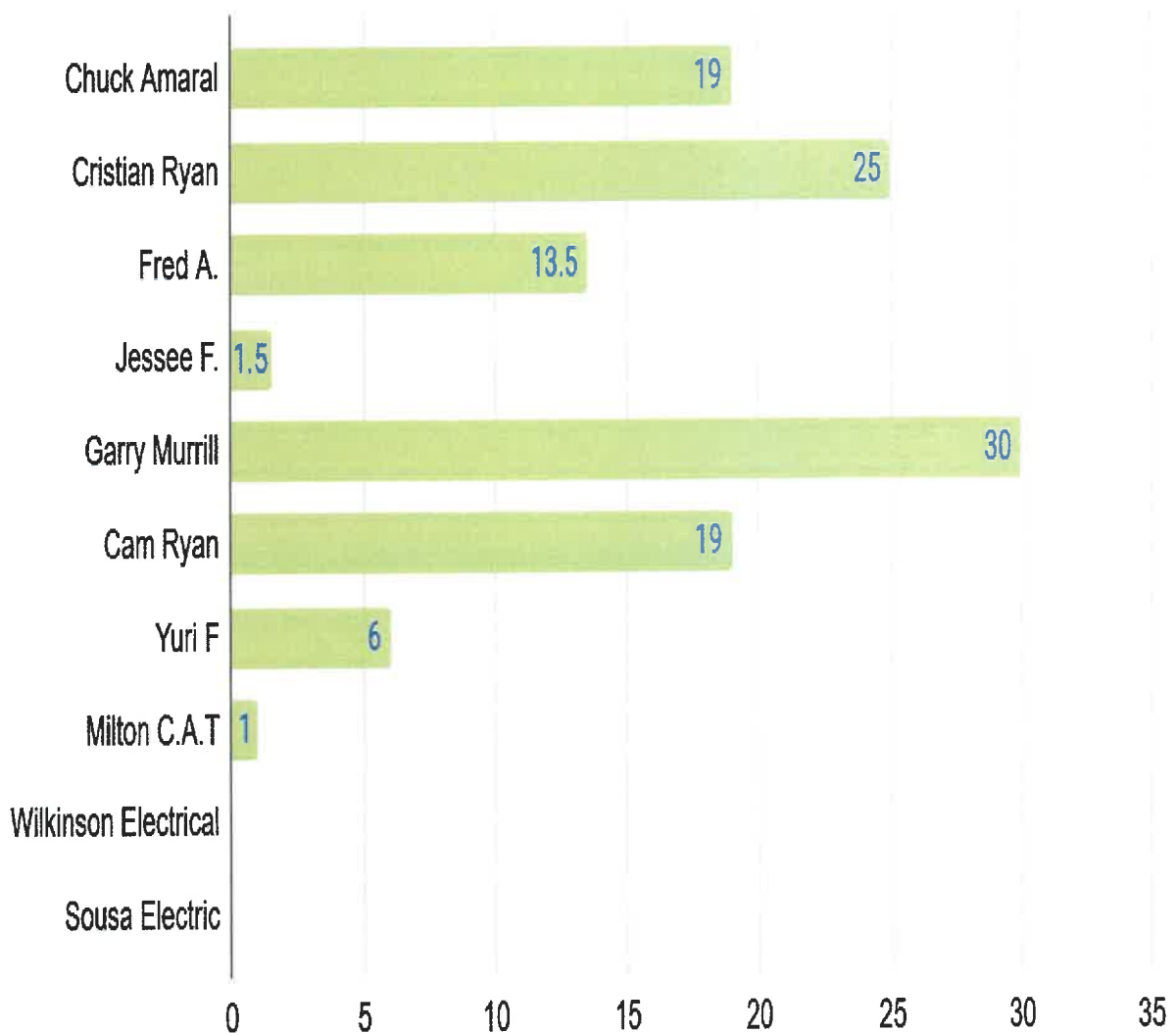
Type	Total This Month	Total This Year
Sewer Inspection / Tie-Ins	0	8
Sewer Location mark Outs	0	394
Sewer Backup	0	6



7.5 WORK ORDER STATISTICS

There were **95** total reported maintenance hours during the month. Of this total, outside contractors accounted for **1%** with **1** hours recorded.

February Work Orders 2025





8.0 FINANCIAL ACCOUNTING- REPAIR / MAINTENANCE ()

8.1 SIGNIFICANT R&M PURCHASES

02/05/25	Home Depot - Paint, paint brushes, paint tray liners, rollers, and tape	Supplies	\$ 130.40
02/06/25	Sousa Electric - Disconnect and reconnect pump at John Burke Station	Mechanical	\$ 350.00
02/07/25	Home Depot - Shovel and Tools	Supplies	\$ 47.20
02/14/25	Home Depot - Paint and supplies	Supplies	\$ 84.04
02/19/25	Blanchard Electric - Seal Bearing for wash press	Mechanical	\$ 188.00
02/12/25	Fisher Auto - Fan Belt for BFP Portable Fan	Mechanical	\$ 13.04
02/20/25	Delta - VFD Drive for Chopper Pump #2	Instrumentation	\$ 144.39
02/24/25	Blanchard Electric - John Burke Seal and bearing replacement	Mechanical	\$ 400.00
02/28/25	USPS - Certified Letter mailed from the town	Postage	\$ 9.68

Item	Budget	Spent Month	Spent Year	Remaining
R & M (Project)	\$100,000.00	\$ 1,366.75	\$ 58,514.10	\$ 41,485.90

9.0 ATTACHED REPORTS

- Discharge Monitoring Report
- Data Reports
- Financial Reports