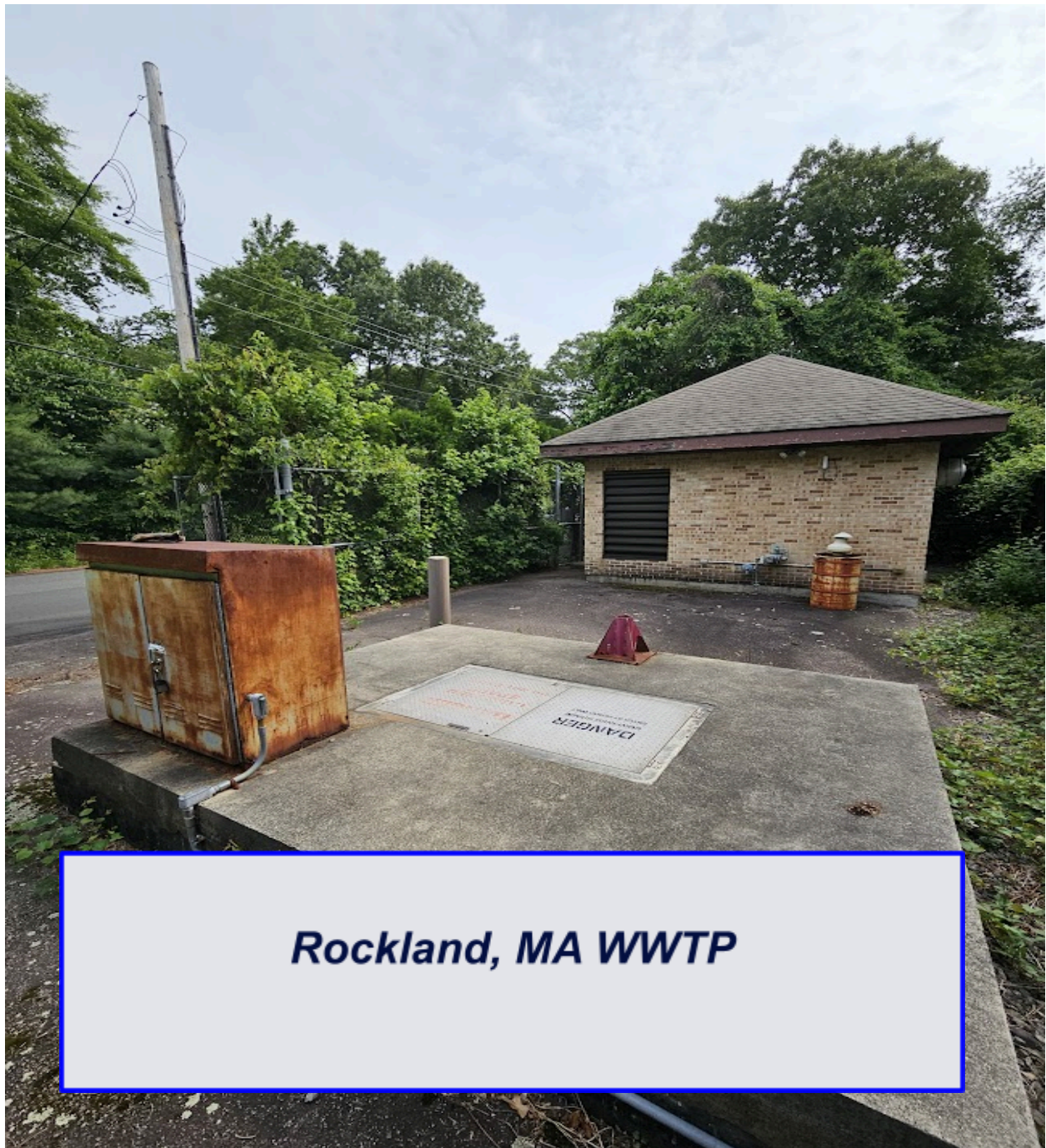




Monthly Operating Report

MAY 2025



Rockland, MA WWTP



TOWN OF
ROCKLAND
MASSACHUSETTS



MOR May 2025

June 15, 2025

Mr. David Taylor

Rockland Sewer Superintendent Interim

587 Rear Summer Street

Rockland, MA 02370

RE: Rockland Wastewater Facility

Monthly Report—May 2025

Dear Representative of Rockland Sewer Affairs,

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

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

Sincerely,

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 **1** exceedance for the month of May 2025.
2. There was **0** lost time / first aid injuries throughout the month.
3. The facility treated a total of **79.586** million gallons. The average daily flow was **2.567**
4. The total rainfall for this reporting period was **3.83"**
5. I&I Work is ongoing
6. **176** preventive maintenance work orders were closed out, and **42** corrective maintenance work orders. There were **15** emergency call outs.
7. Massachusetts general wastewater permit began April 1st, 2023

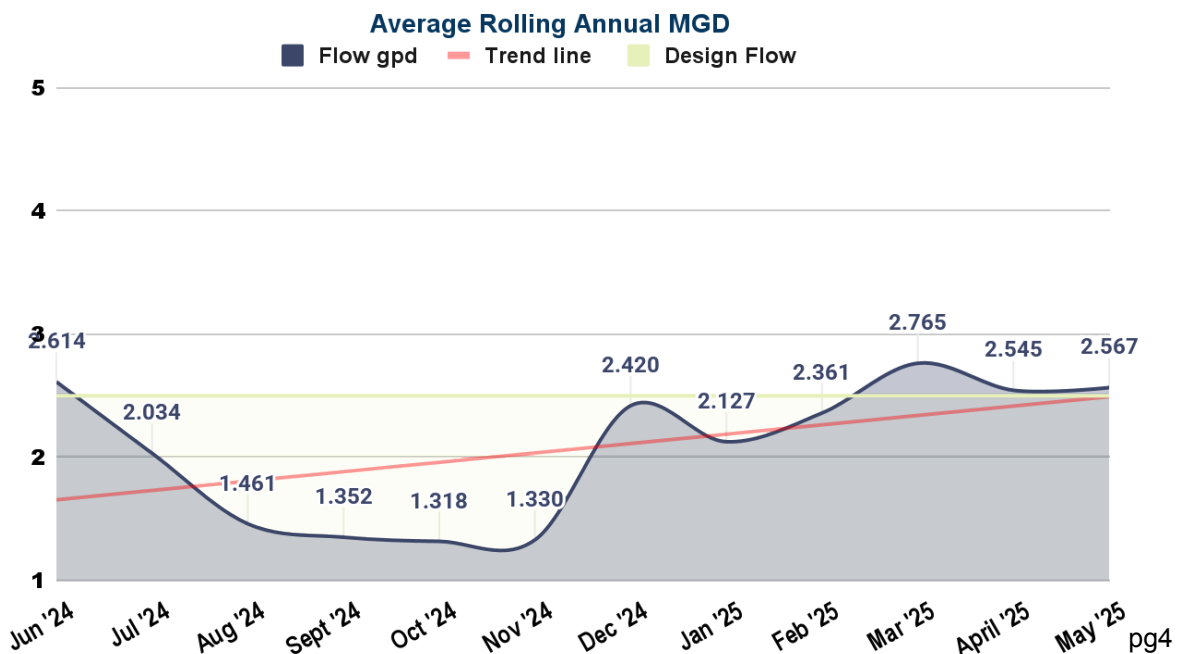
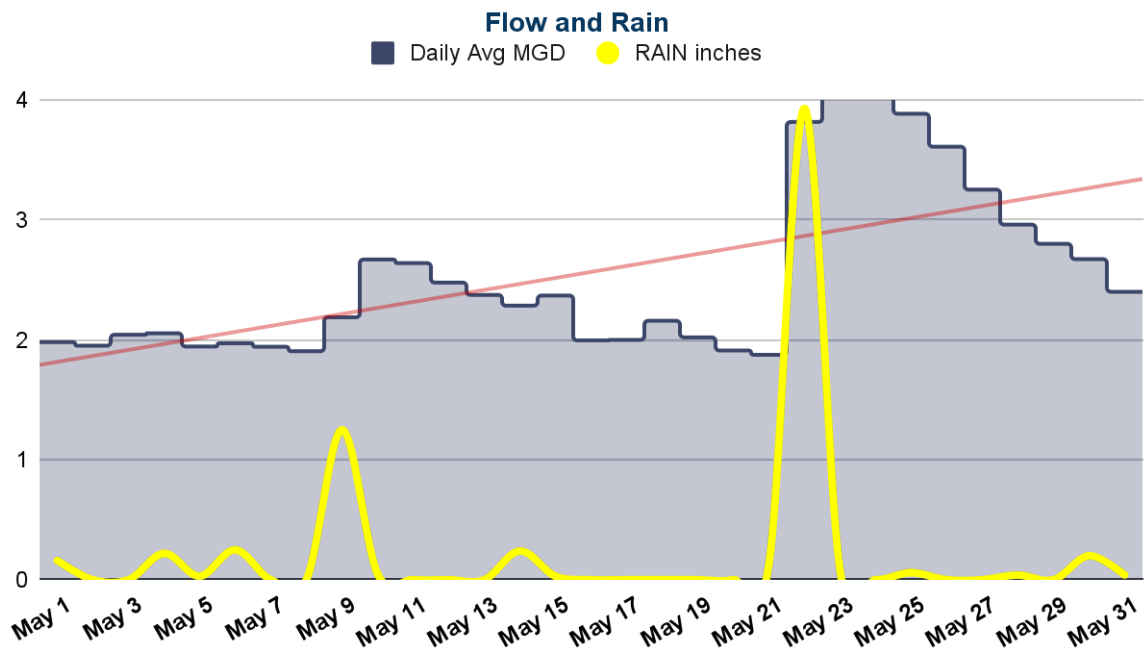
2. STAFFING:

Current Employee Licenses as of 05/01/2025											
		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				
Jesse Freeman	Asst. Project Manager	X				X					
Garry Murrill	Operator				X				X		
Cristian Ryan	Operator	X		X	X						
Fred Anzivino	Operator				X						
Camden Ryan	Operator	X			X						
Jerome Overstr	OIT										



3. FLOWS AND LOADINGS:

1. The facility treated a total of **79.586** MG during the month of May 2025. The daily average flow was 2.567 MGD. This was .017 MGD LESS THAN: the previous April monthly average in (2024), which was recorded at 2.614 MGD (2024).
2. The highest daily flow was recorded on May 23, as 5.079 MGD.
3. The lowest daily flow was recorded on May 21, as 2.117 MGD.
4. The highest peak flow was recorded on May 23, as 5.85 MGD.
5. A total of 6.71" of precipitation was received at the facility. The highest single day precipitation total was recorded on May 22, as 3.93".
6. The coldest day was 12th at 38F. The warmest day was 3rd at 82F.





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

Month Year	INF	EFF	INF FLOW	EFF FLOW	INF	INF	INF BOD	INF TSS
	Inf	Eff	In AVG	eff AVG	in BOD	in TSS	MOV AVG	MOV AVG
	MGD	MGD	MGD	MGD	LBS	LBS	LBS	LBS
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	4,820	4,124	4,595	3,791
Oct '24	1.485	1.318	2.690	2.417	3,458	4,100	4,514	3,871
Nov '24	1.541	1.330	2.646	2.356	3,982	2,677	4,520	3,891
Dec '24	2.597	2.424	2.562	2.325	5,602	3,982	4,468	3,932
Jan '25	2.432	2.127	2.447	2.212	4,277	3,356	4,650	4,081
Feb '25	2.702	2.361	2.432	2.167	3,899	3,037	4,607	4,028
Mar '25	3.254	2.765	2.363	2.078	2,999	2,141	4,518	3,899
April '25	2.775	2.545	2.270	1.995	4,213	4,116	4,412	3,926
May '25	2.695	2.567	2.253	1.992	3,731	2,871	4,297	3,809

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

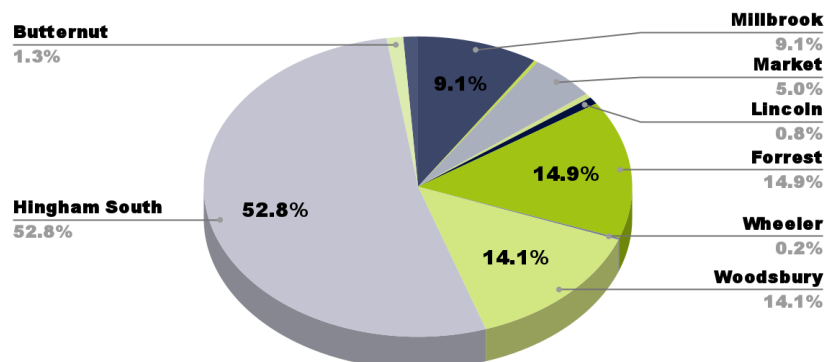


3.2 LIFT STATION FLOWS

The lift stations accounted for **11.38 million gallons** throughout the month, **14.3 %** 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. Old country way and Hingham North are omitted from this calculation due to their flow going directly to Hingham South.

Lift Station Monthly Average Daily Flows (GPD)										
Month	Millbrook	Summer	Market	John Burke	Forrest	Wood	Old Country	Hingham N	Hingham S	Butternut
	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD
June'24	27,941	883	12,968	2,036	47,894	40,877	47,352	137,334	173,148	2,700
July'24	26,791	844	13,452	1,889	43,423	35,071	35,429	133,084	151,548	2,555
Aug'24	26,094	921	13,403	1,703	42,745	38,961	36,987	130,297	148,761	2,787
Sep'24	23,342	844	11,903	1,603	42,406	27,987	33,329	120,890	139,355	1,684
Oct'24	30,554	931	12,677	1,804	48,165	33,561	36,716	129,252	143,884	2,148
Nov'24	30,170	960	13,306	2,385	46,268	35,245	35,023	130,035	141,445	2,468
Dec'24	30,449	1,111	14,782	1,916	53,042	48,542	45,319	155,433	181,510	3,774
Jan'25	34,978	975	15,919	1,952	51,118	47,497	49,858	142,142	171,058	3,339
Feb'25	31,425	900	12,677	2,106	48,998	43,026	48,300	138,362	167,226	3,687
Mar'25	36,825	1,030	14,565	1,959	55,887	48,368	58,123	162,052	202,761	4,065
Apr'25	33,828	890	16,355	1,798	50,874	46,045	53,381	154,335	191,961	3,397
May'25	33,550	1,053	18,242	1,827	54,735	51,852	56,023	163,742	193,703	4,616
Average GPD	30,455	937	13,869	1,950	48,655	41,081	44,433	141,079	168,097	2,995

Pump Station. % of Flow May 2025





4.0 SOLIDS HANDLING

The BFP operated a total of **99** hours this month and a total of **371,057** gallons were processed producing **126** Wet Tons of sludge that was hauled from the facility. The average BFP feed percent solids were **2 %** and the BFP Cake average percent solids were **21 %**.

Date	BFP Run Hours	Total Digester Feed	Total BFP Feed	Polymer Used	Actual Sludge Weight	Average Press Feed Total Solids	Average Cake Total Solids	Sludge Pick Up	
June '24	115.0	411,781	438,919	99.0	65.0	2.00	21.00	5.00	
July '24	183.0	620,475	587,962	158.0	103.0	2.00	21.00	8.00	
Aug '24	173.0	469,021	503,173	132.0	144.0	2.00	21.00	7.00	
Sep '24	157.0	388,696	442,447	124.0	58.0	2.00	21.00	5.00	
Oct '24	166.0	474,833	431,295	123.0	136.0	2.00	21.00	7.00	
Nov '24	138.0	434,469	355,009	98.0	131.0	2.00	21.00	8.00	
Dec '24	138.0	331,535	373,421	115.0	66.0	2.00	21.00	6.00	
Jan '24	142.0	446,843	521,901	152.0	139.0	2.00	21.00	8.00	
Feb '24	90.0	474,370	301,588	77.0	123.0	2.00	21.00	7.00	
Mar '24	115.0	350,139	444,203	96.0	122.0	2.00	21.00	7.00	
Apr '24	119.0	350,139	472,087	104.0	163.0	2.00	21.00	9.00	
May '25	99.0	293,048	371,057	82.0	126.0	2.00	21.00	7.00	



5.0 ENVIRONMENTAL COMPLIANCE

5.1 REGULATORY REPORTING

1. The EPA and MADEP May NETDMR was submitted on the CDX website on June 11th 2025.

5.2 NPDES COMPLIANCE

The facility will be reporting (1) exceedance(s) for the month of May 2025. The Monthly Average for the flow is 2.567 which exceeded the permit limit of 2.500.

Date	Plant Flow	BOD	BOD	TSS	TSS	NH3	Total P	Ph	E. Coli Coliform	Oxygen
	MGD	Mg/L	Lbs./Day	Mg/L	Lbs./Day	Mg/L	Mg/L	Ph	CFU/100 ml	Mg/L
1	1.98							7.100		10.1
2	1.95									10.0
3	2.04									11.6
4	2.06									12.7
5	1.95							7.29		10.1
6	1.97							7.22	101	10.8
7	1.94	4.0	65	2.0	32	0.30	0.12	6.89		9.9
8	1.91							7.17		10.3
9	2.19							7.01		10.1
10	2.67									10.1
11	2.64									10.9
12	2.48							7.23		10.5
13	2.38							7.08	17	10.3
14	2.29	4.0	76	2.0	38		0.08	7.29		10.3



15	2.37							7.19		10.0
16	2.00							7.42		11.1
17	2.00									12.1
18	2.16									12.0
19	2.02							7.29		10.0
20	1.91							7.58	23	10.2
21	1.88	4.0	63	2.0	31	0.10	0.12	7.59		9.9
22	3.82							7.45		10.0
23	5.08							6.72		11.5
24	4.32									10.3
25	3.89							6.90		10.0
26	3.61									10.0
27	3.25							7.33	53	9.8
28	2.96	3.0	74	4.0	99		0.17	7.26		12.9
29	2.80							7.19		10.2
30	2.67							7.10		9.4

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 **141,714 KWH** for the month of May 2025. Of this total, the lift stations accounted for **27 %**, using **14,514 KWH**. The Main Plant accounted for the remaining **127,200 KWH**. The KWH/ MG treated was **1,598 kw/MG** for the month and the KWH/Lb BOD Removed was 1.1 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/L b 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/L b	KW	KW	KWH	KWH
Jun '24	2.03	61.01	116,100.00	1,903.00	151,206.00	0.77	186.00	222.00	12,509.00	134,416.00
Jul '24	1.46	45.28	123,000.00	2,716.00	137,028.00	0.90	195.00	195.00	36,406.00	126,505.00
Aug '24	1.62	50.11	117,000.00	2,335.00	123,371.00	0.95	171.00	189.00	33,188.00	121,540.00
Sept'24	1.35	40.55	111,300.00	2,745.00	132,735.00	0.84	171.00	176.00	32,996.00	110,401.00
Oct'24	1.32	40.86	100,500.00	2,460.00	128,678.00	0.78	168.00	186.00	31,387.00	115,805.00
Nov '24	1.33	39.89	103,500.00	2,595.00	128,575.00	0.80	171.00	174.00	34,604.00	139,294.00
Dec '24	2.42	75.15	123,600.00	1,645.00	170,431.00	0.73	228.00	177.00	42,000.00	145,276.00
Jan '25	2.13	65.93	114,900.00	1,742.00	126,676.00	1.00	195.00	222.00	50,493.00	135,161.00
Feb '25	2.36	66.11	129,900.00	1,964.00	112,021.00	1.03	210.00	198.00	48,071.00	147,048.00
Mar '25	2.77	85.71	117,300.00	1,368.00	80,064.00	1.46	192.00	210.00	15,211.00	132,511.00
April '25	2.54	76.36	117,300.00	1,368.00	80,064.00	1.46	300.00	300.00	15,211.00	138,933.00
May '25	2.57	79.59	127,200.00	1,598.00	115,661.00	1.10	300.00	300.00	14,514.00	141,714.00
Average	1.99	60.54	116,800.00	2,036.58	123,875.83	0.99	207.25	212.42	30,549.17	132,383.67



7.1 WORK ORDER OVERVIEW

WO Type	Total This Month	Total This Year
Preventative Maintenance	176	1627
Corrective Maintenance	42	213
Emergency Call Outs Total	15	66

7.2 EMERGENCY CALL OUTS FOR THE MONTH

Type	Total this Month	Total this Year
Sewer Back Up / Collections	2	18
Pump Station	3	19
Plant	5	19
Odor	0	1
Power Outages	0	19
Emerg Dig safe	5	25

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:

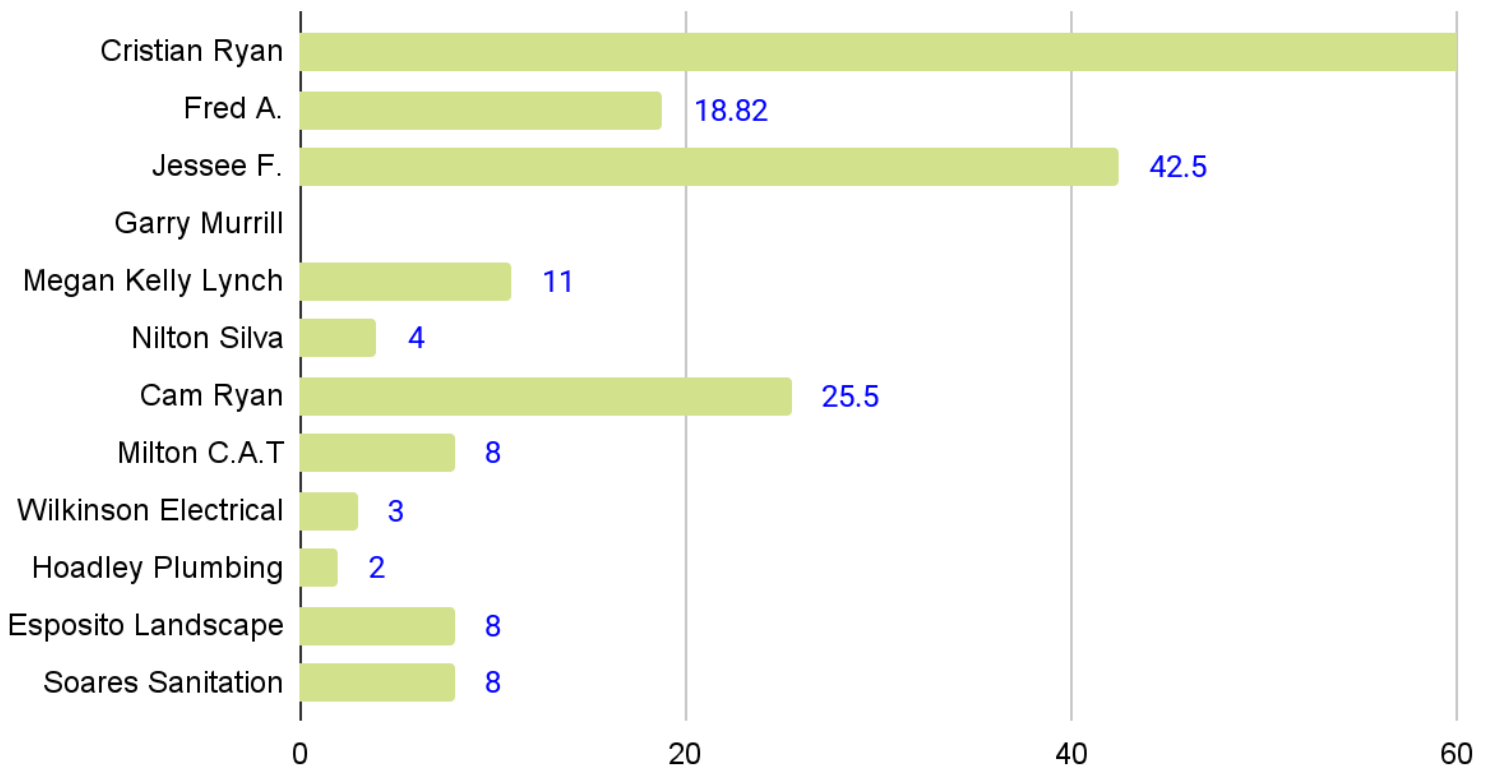
Type	Total This Month	Total This Year
Sewer Inspection / Tie-Ins	0	9
Sewer Location mark Outs	81	618
Sewer Backup	2	11



7.5 WORK ORDER STATISTICS

There were **192.82** total reported maintenance hours during the month. Of this total, outside contractors accounted for **15%** with **29** hours recorded.

Work Orders 2025





8.0 FINANCIAL ACCOUNTING- REPAIR / MAINTENANCE ()

8.1 SIGNIFICANT R&M PURCHASES

05/02/25	Amazon - Safby 2 piece aluminum type A camlocks	\$ 16.99		
05/02/25	Amazon - Hose clamps	\$ 36.90		
05/05/25	USA Bluebook - Blue White Tubes for Primary Ferric Pumps	\$ 163.02		
05/03/25	Grainger - Piping Tape	\$ 39.21		
05/05/25	USA Bluebook - Blue White Roller Assembly for Primary Ferric Pumps	\$ 278.57		
05/05/25	Amazon - Gorilla Waterproof Patch & Seal Tape	\$ 12.97		
05/06/25	Amazon - Torque Wrench	\$ 57.78		
05/06/25	Amazon - 3/8" Drive Click Torque	\$ 28.46		
05/06/25	Wilkinson - CO Detectors were going off.	\$ 1,150.00		
05/07/25	Amazon - Quafwia 2 pieces Polypropylene Camlock Fitt	\$ 17.80		
05/07/25	Semedo Cleaning Services - Deep Cleaned the 3 Bathrooms, Locker Room, and Lunch Room	\$ 1,863.50		
05/07/25	Semedo Cleaning Services - Stripped and waxed the tile flooring	\$ 1,863.50		
05/09/25	Grainger - Gloxco Aluminum Type D Cam and Groove	\$ 6.51		
05/09/25	Grainger - Gloxco Aluminum Type B Cam and Groove	\$ 17.97		
05/09/25	Grainger - Pipe Plug Bypass Connection	\$ 15.85		
05/09/25	Grainger - Pipe Plug Bypass Connection	\$ 5.44		
05/09/25	Grainger - Pipe Plug Bypass Connection	\$ 5.83		
05/09/25	Grainger - Pipe Plug Bypass Connection	\$ 9.56		
05/09/25	Grainger - Pipe Plug Bypass Connection	\$ 8.01		
05/09/26	Grainger - Mechanical Expansion Plug B	\$ 19.75		
05/09/25	Grainger - Mechanical Expansion Plug B	\$ 16.39		
05/09/25	Grainger - Cam and Grove Adapter Plug	\$ 12.16		
05/09/25	Grainger - Cam and Grove Coupling	\$ 14.21		
05/09/25	Grainger - RO Hydraulic Fluid Pail	\$ 104.17		
05/10/25	Amazon - Rescue Tape Self Fusing Pipe Repair Tape	\$ 39.19		
05/12/25	Amazon - Eastrans Aluminum Pin Lug Hose Fitting S	\$ 35.32		
05/12/25	AMH Enterprise - Lime Pump Oil	\$ 346.13		
05/12/25	ULINE - 4 Heavy Duty Garbage cans for rag removal	\$ 422.53		
05/12/25	Cranes 101 - Inspection of the Fork Lift Truck and the Telescopic Crane Truck	\$ 383.00		
05/12/25	USA Bluebook - Blue-White Tube Assembly for Primary Ferric Pumps	\$ 101.10		
05/12/25	Amazon - Blastline 2-1/2" Dia Heavy Duty Clear Hose	\$ 88.19		
05/13/25	Amazon - Roadformer 2.75" T-Bolt Hose O.D. Clamp	\$ 16.89		



05/13/25	Amazon - Roadformer 2.75" T-Bolt Hose O.D. Clamp	\$ 16.89		
05/15/25	Soares - Vactored and hauled grit from the Influent Channel and the influent wet well, used 9,000 gallon tanker	\$ 8,660.00		
05/23/25	EIS - Replaced the cellular modem at Old Country Way Station	\$ 2,557.75		
05/27/25	Energy Machinery - Brought Sludge Air Compressor up to Mass. Code by raising the tank 12" and installing a relief valve	\$ 931.56		
05/30/25	Wilkinson - Furnish all labor and materials to perform annual cleaning on main boiler and replace flame rods and ignitors	\$ 4,460.00		
		Spent for the month		
		\$23,823.10		

Item	Budget	Spent Month	Spent Year	Remaining
R & M (Project)	\$100,000.00	\$ 23,823	\$ 96,697	\$ 3,303

9.0 ATTACHED REPORTS

- Discharge Monitoring Report
- Data Reports
- Financial Reports