



Monthly Operating Report

MARCH 2025



Rockland, MA WWTP



TOWN OF
ROCKLAND
MASSACHUSETTS



MOR March 2025

April 15, 2025

Mr. David Taylor

Rockland Sewer Superintendent Interim

587 Rear Summer Street

Rockland, MA 02370

RE: Rockland Wastewater Facility

Monthly Report—March 2025

Dear Representative of Rockland Sewer Affairs,

I have enclosed the March 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 March 2025.
2. There was **0** lost time / first aid injuries throughout the month.
3. The facility treated a total of **85.711** million gallons. The average daily flow was **2.765**
4. The total rainfall for this reporting period was **4.35"**
5. I&I Work is ongoing
6. **136** preventive maintenance work orders were closed out, and **14** corrective maintenance work orders. There were **06** emergency call outs.
7. Massachusetts general wastewater permit began April 1st, 2023

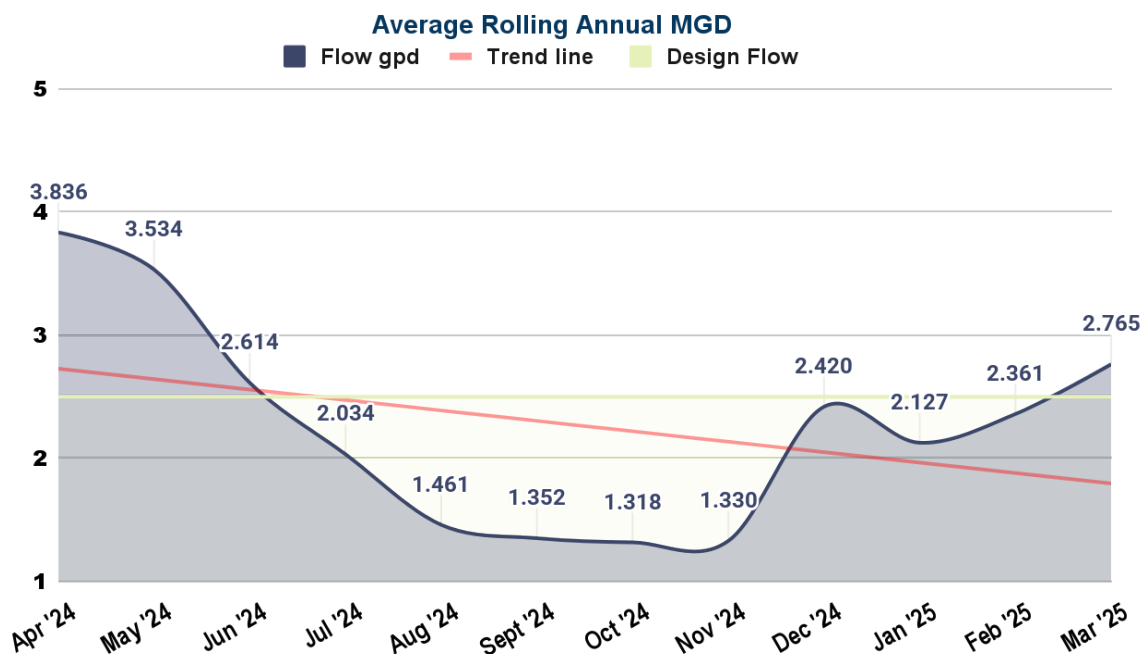
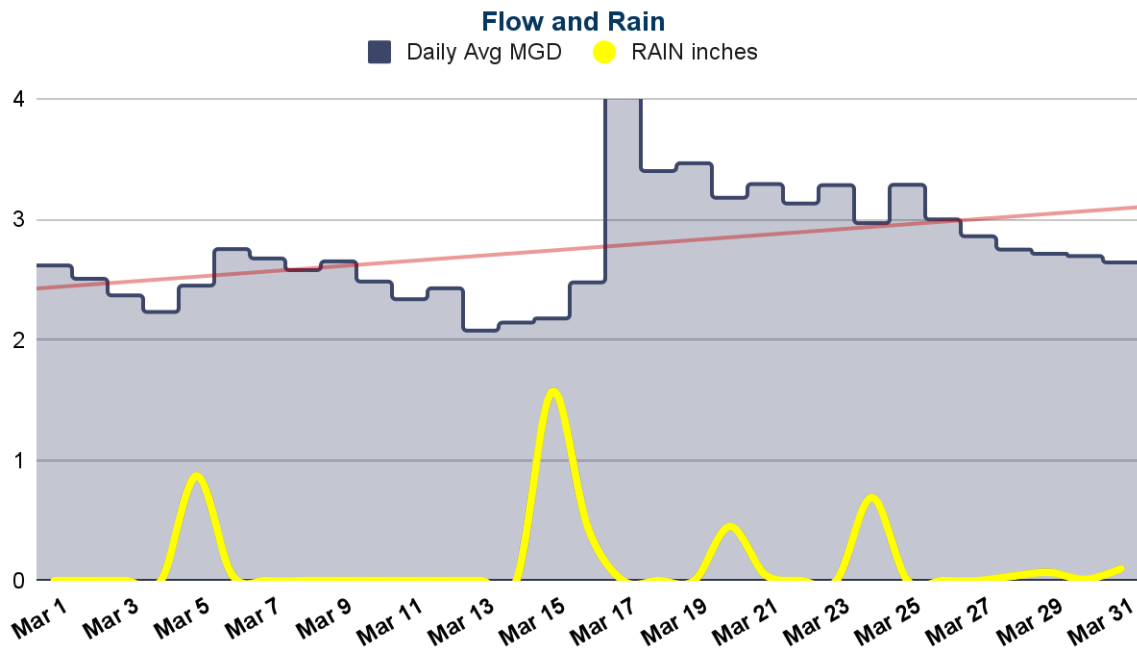
2. STAFFING:

Current Employee Licenses as of 04/01/2025											
		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				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	X						
Camden Ryan	OIT										
Fred Anzivino	OIT										
Shaun Chaponis	Operator				X			X			



3. FLOWS AND LOADINGS:

1. The facility treated a total of 85.711 MG during the month of March 2025. The daily average flow was 2.765 MGD. This was .544 MGD LESS than the previous March monthly average in (2024), which was recorded at 2.905 MGD (2024).
2. The highest daily flow was recorded on March 17th as 4.042 MGD.
3. The lowest daily flow was recorded on March 12th, as 2.077 MGD.
4. The highest peak flow was recorded on March 16th, as 4.260 MGD.
5. A total of 4.35" of precipitation was received at the facility. The highest single day precipitation total was recorded on March 15th, as 1.57 ".
6. The coldest day was 3rd as , 10 F. The warmest day was 16th as ,67 F.





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
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	4,820	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

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

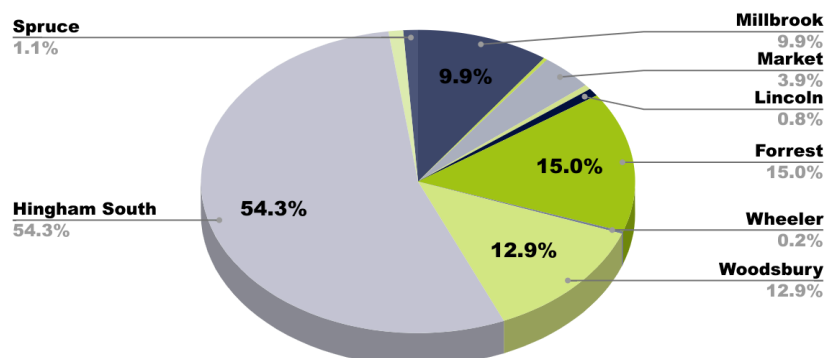


3.2 LIFT STATION FLOWS

The lift stations accounted for **11.579 million gallons** throughout the month, **13.5 %** 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
Apr'24	31,912	1,099	15,290	3,066	52,568	58,355	78,852	184,994	236,903	5,632
May'24	33,062	952	14,419	2,245	53,042	47,787	53,381	159,735	204,503	3,339
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	975	12,677	1,952	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
Avg GPD	13,767	980	2,169	2,290	48,989	43,219	48,181	146,250	175,484	3,304

Pump Station. % of Influent Flow February 2025





4.0 SOLIDS HANDLING

The BFP operated a total of **115.25** hours this month and a total of **444,203** gallons were processed producing **115** Wet Tons of sludge that was hauled from the facility. The average BFP feed percent solids were **1.19 %** and the BFP Cake average percent solids were **18.39 %**.

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	Grit
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	138.8	1.35	19.72	8.00	
Feb '25	89.4	474,370	301,588	76.8	100.0	1.18	18.43	6.00	
Mar '25	115.3	380,418	444,203	96.0	121.5	1.19	18.39	7.00	
Rolling Total	1,642	5,152,399	5,192,170	1,414	1,116	19.64	258.32	72	0.00
Avg.	137	429,367	432,681	118	93	1.64	21.53	6.0	**** *



5.0 ENVIRONMENTAL COMPLIANCE

5.1 REGULATORY REPORTING

1. The EPA and MADEP December NETDMR was submitted on the CDX website on April 15th 2025.

5.2 NPDES COMPLIANCE

The facility will be reporting (1) exceedance(s) for the month of March 2025. The Monthly Average for the flow is 2.765.

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	2.62							7.430		>8
2	2.51							7.40		>8
3	2.37							7.38		>8
4	2.23							7.38	29	>8
5	2.45	4.0	82	2.0	41	0.10	0.20	7.37		>8
6	2.76							7.42		>8
7	2.68							7.51		>8
8	2.58							7.40		>8
9	2.65							7.37		>8
10	2.49							7.39		>8
11	2.34							7.51	16	>8
12	2.43	2.0	41	11.0	223			7.50		>8
13	2.08							7.36		>8
14	2.14							7.44		>8



15	2.18							7.40		>8
16	2.48							7.42		>8
17	4.04							7.20		>8
18	3.40							7.15	60	>8
19	3.47	4.0	116	4.0	116	0.70	0.16	7.17		>8
20	3.18							7.24		>8
21	3.30							7.25		>8
22	3.13							7.35		>8
23	3.29							7.29		>8
24	2.97							7.33		>8
25	3.29							7.25	46	>8
26	3.00	3.0	75	20.0	501			7.26		>8
27	2.86							7.21		>8
28	2.75							7.13		>8
29	2.72							7.32		>8
30	2.70							7.20		>8
31	2.644							7.23		>8

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 **162,360.00 KWH** for the month of March 2025. Of this total, the lift stations accounted for **13 %**, using **15,211 KWH**. The Main Plant accounted for the remaining **117,300 KWH**. The KWH/ MG treated was **1,368 kw/MG** for the month and the KWH/Lb BOD Removed was **1.46 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
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 '25	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 '25	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
Mar '25	2.77	85.71	117,300.00	1,368.00	80,064.00	1.46	92.00	210.00	15,211.00	162,360.00
Average	2.07	62.79	117,550.00	2,019.42	133,759.50	0.91	183.42	200.42	30,865.17	150,902.58



7.1 WORK ORDER OVERVIEW

WO Type	Total This Month	Total This Year
Preventative Maintenance	136	1285
Corrective Maintenance	14	157
Emergency Call Outs Total	6	49

7.2 EMERGENCY CALL OUTS FOR THE MONTH

Type	Total this Month	Total this Year
Sewer Back Up / Collections	9	16
Pump Station	1	16
Plant	3	14
Odor	0	1
Power Outages	2	19

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:

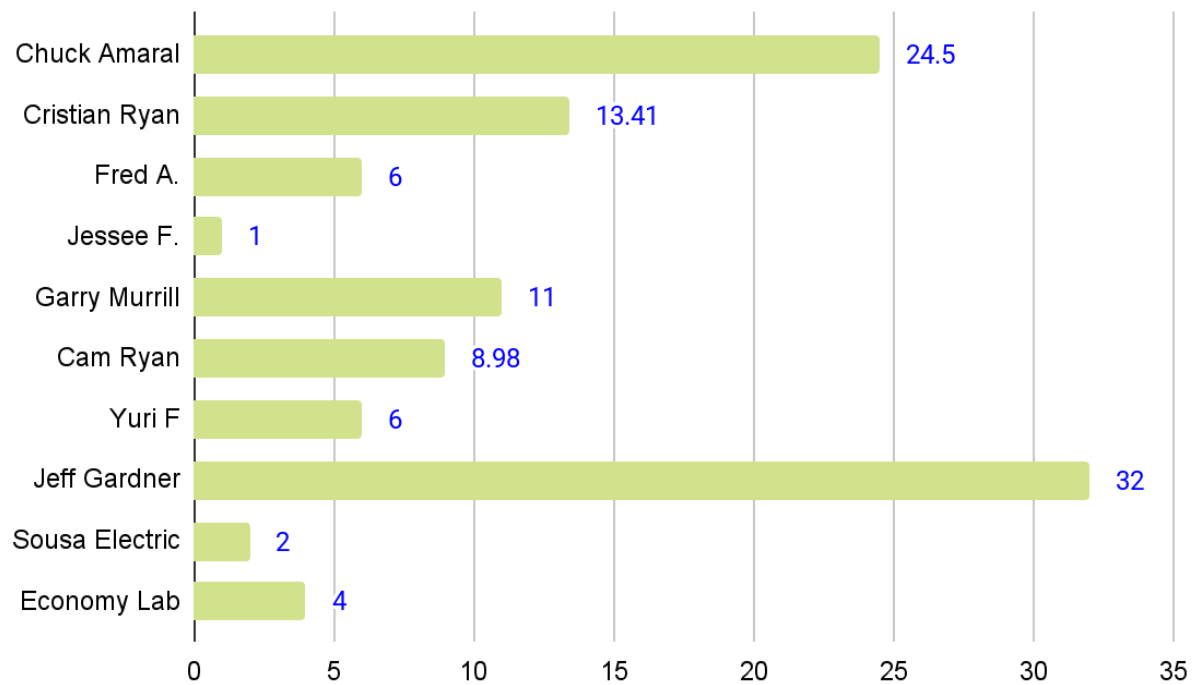
Type	Total This Month	Total This Year
Sewer Inspection / Tie-Ins	1	9
Sewer Location mark Outs	79	473
Sewer Backup	3	9



7.5 WORK ORDER STATISTICS

There were **109** total reported maintenance hours during the month. Of this total, outside contractors accounted for **35%** with **38** hour recorded.

March Work Orders 2025





8.0 FINANCIAL ACCOUNTING- REPAIR / MAINTENANCE ()

8.1 SIGNIFICANT R&M PURCHASES

03/05/25	Jeff's Carpet - Flooring for Main Building's Office	\$ 1,600.00
03/07/25	Hanover Locks - Slide Bolt, and two rekeyed managers office doors	\$ 292.70
03/14/25	Amazon - Indusky 30 pcs hose clamps 1/4-2" adjustable range	\$ 10.99
03/14/25	Amazon - Quafwia 1 Pice Polypropylene Camlock Fittings 1 1/2" Cam Lock Hose Fittings	\$ 126.50
03/14/25	Amazon - Mixilin Rechargeable Spotlight	\$ 38.99
03/14/25	Amazon - Stainless Hose Clamps Assortment Kit	\$ 5.99
03/14/25	Home Depot - Electrical Outlet Plate Cover	\$ 1.22
03/17/25	Town of Rockland - All the door frames and walls down the hallway were painted by Gardner Painting	\$ 1,550.00
03/18/25	Amazon - Command Strips to hang frames to the building walls	\$ 23.06
03/18/25	Amazon - 8x10 picture frames for the hallway walls	\$ 31.65
03/18/25	Amazon - Storystore Flexible Wall Baseboard Molding trim (Quantity 5 40ft rolls)	\$ 179.60
03/20/25	Amazon - Brushed Aluminum Restroom Signs, Women & Men	\$ 11.99
03/21/25	Heartsmart - AED tags and Adult Electrode Pads	\$ 140.25
03/21/25	Amazon - Hillman die cut adhesive letters for main office doors	\$ 5.77
03/21/25	Amazon - First Aid Burn Cream	\$ 4.20
03/21/25	Amazon - Hydrocortisone Cream	\$ 7.34
03/21/25	Amazon - Excedrin Migraine Relief Caplets	\$ 5.28
03/21/25	Amazon - Thera Tears Dry Eye Therapy Lubricating Eye Drops	\$ 11.67
03/21/25	Amazon - Flygiene Alcohol Wipes	\$ 9.36
03/21/25	Amazon - Ammonia Inhalants, Smelling Salts	\$ 11.49
03/21/25	Lowe's - Husqvarna Backpack Leaf Blower	\$ 370.81
03/21/25	Uline - Leather Office Chair and Storage Cabinet	\$ 761.85
03/25/25	Amazon - Magnetic Dry Erase Board	\$ 28.42
03/25/25	Amazon - Gray Felt Cork Board Bulletin	\$ 16.99
03/25/25	Amazon - Window Shade for building office	\$ 61.99
03/25/25	Home Depot - Drill Combo Kit, brass nipple, and a brass adapter (to weigh down influent sampler hose)	\$ 258.42
03/25/25	Home Depot - 9 Volt batteries (alarm for AED box), and Smoke and Carbon Monoxide Detector (for digester boiler room)	\$ 75.27



03/26/25	Jeff's Carpet - Flooring for Main Building Office	\$ 1,089.00
03/27/25	Wilkinson - Troubleshoot on why the Digester was not heating up properly. No solution was discovered	\$ 1,135.00
		\$7,865

Item	Budget	Spent Month	Spent Year	Remaining
R & M (Project)	\$100,000.00	\$ 7,865	\$ 66,379	\$ 33,621

9.0 ATTACHED REPORTS

- Discharge Monitoring Report
- Data Reports
- Financial Reports