



Monthly Operating Report

APRIL 2025



Rockland, MA WWTP



TOWN OF
ROCKLAND
MASSACHUSETTS



MOR April 2025

May 15, 2025

Mr. David Taylor

Rockland Sewer Superintendent Interim

587 Rear Summer Street

Rockland, MA 02370

RE: Rockland Wastewater Facility

Monthly Report—April 2025

Dear Representative of Rockland Sewer Affairs,

I have enclosed the April 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 **0** 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 **76.356** million gallons. The average daily flow was **2.765**
4. The total rainfall for this reporting period was **3.83"**
5. I&I Work is ongoing
6. **166** preventive maintenance work orders were closed out, and **14** corrective maintenance work orders. There were **02** emergency call outs.
7. Massachusetts general wastewater permit began April 1st, 2023

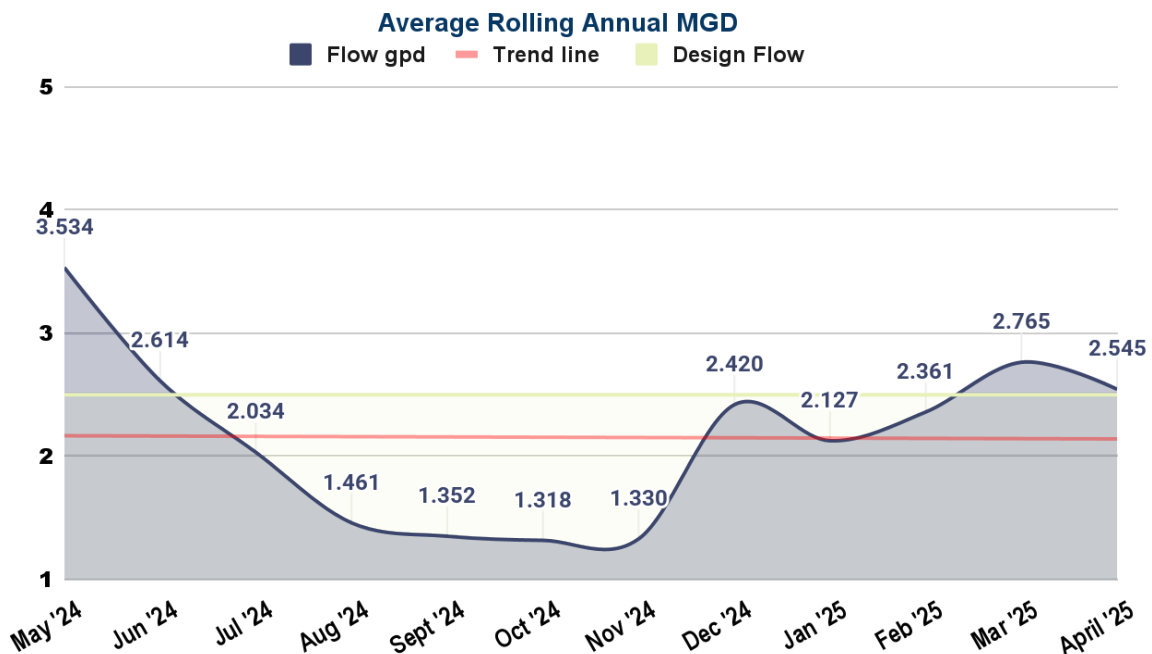
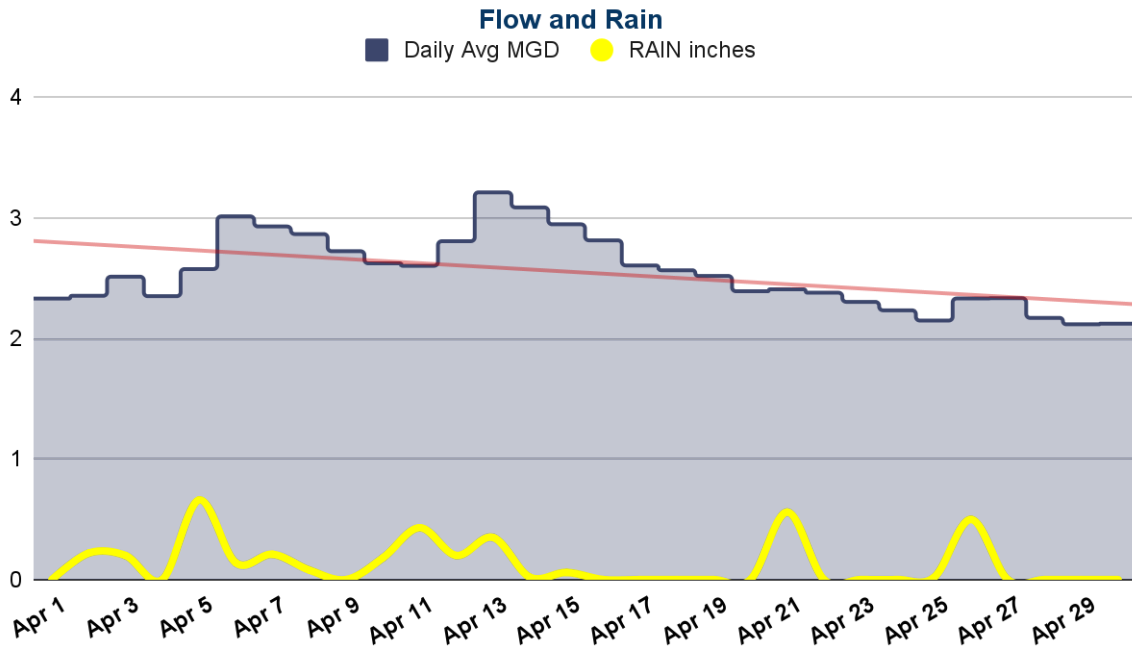
2. STAFFING:

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				
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						
Fred Anzivino	OIT										
Camden Ryan	OIT										
Shaun Chaponis	Operator				X			X			



3. FLOWS AND LOADINGS:

1. The facility treated a total of 76.356 MG during the month of April 2025. The daily average flow was 2.545 MGD. This was .85 MGD more than the previous April monthly average in (2024), which was recorded at 3.395 MGD (2024).
2. The highest daily flow was recorded on April 13th, as 3.211 MGD.
3. The lowest daily flow was recorded on April 29th, as 2.117 MGD.
4. The highest peak flow was recorded on April 16th, as 4.420 MGD.
5. A total of 3.83" of precipitation was received at the facility. The highest single day precipitation total was recorded on April 05th, as 0.66 ".
6. The coldest day was 9th at 26 °F. The warmest day was 19th at 80 °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
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
April '25	2.775	2.545	2.270	1.995	4,213	4,116	4,412	3,926

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

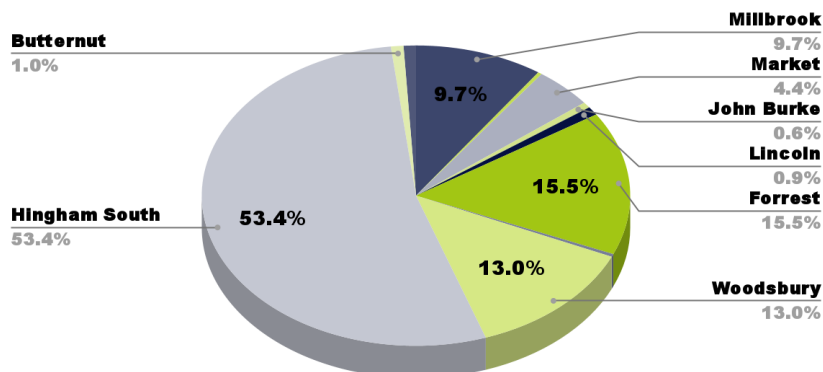


3.2 LIFT STATION FLOWS

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	Market	Lincoln	Forrest	Wood	Old Country	Hingham N	Hingham S	Butternut
	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD	GPD
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
Mar'25	36,825	14,565	3,097	55,887	48,368	58,123	162,052	202,761	4,065
Apr'25	33,828	16,355	2,942	50,874	46,045	53,381	154,335	191,961	3,397
Average GPD	30,455	13,869	2,874	48,655	41,081	44,433	141,079	168,097	2,995

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
May '23	125.6	329,820	407,350	114.4	123.5	2.08	21.52	6.00		
June '23	183.7	411,781	649,427	155.6	127.6	1.88	22.32	8.00		
July '23	128.4	444,319	510,385	109.6	143.6	2.11	21.39	7.00		
Aug '23	161.6	459,960	577,299	128.1	126.3	2.01	22.81	7.00		
Sep '23	142.7	400,268	473,224	113.6	116.4	1.92	22.35	6.00		
Oct '23	127.4	438,575	428,509	112.0	70.5	2.00	22.64	5.00		
Nov '23	132.4	389,377	381,901	108.8	116.0	2.18	22.12	8.00		
Dec '23	150.5	460,829	454,170	137.6	97.9	2.04	21.95	6.00		
Jan '24	152.4	436,721	432,214	123.2	135.3	2.27	20.80	7.00		
Feb '24	130.5	311,234	362,674	111.2	100.1	2.05	22.41	6.00		
Mar '24	122.3	331,384	362,712	119.2	85.7	2.32	21.64	6.00		
Apr '24	164.0	321,384	500,524	131.2	50.9	1.69	21.51	6.00		
Annual Total	1,721	4,735,652	5,540,389	1,465	1,294	*****	*****	78		0.00
Avg.	143	394,638	461,699	122	108	2.05	21.96	6.5		**** *



5.0 ENVIRONMENTAL COMPLIANCE

5.1 REGULATORY REPORTING

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

5.2 NPDES COMPLIANCE

The facility will be reporting (0) exceedance(s) for the month of April 2025. The Monthly Average for the flow is 2.545

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	2.33							7.270	162	
2	2.35	4.0	78	4.0	78	0.90	0.09	7.28		
3	2.51							7.32		
4	2.35							7.44		
5	2.58							7.52		
6	3.01							7.39		
7	2.93							7.37		
8	2.87							7.37	50	
9	2.72	5.0	114	6.0	136		0.11	7.14		
10	2.62							7.25		
11	2.60							7.32		
12	2.81							7.25		
13	3.21									
14	3.09							7.11		
15	2.95							7.21	19	



16	2.81	3.0	70	10.0	242	1.80	0.10	7.33		
17	2.61							7.20		
18	2.57							7.32		
19	2.52							7.19		
20	2.39							7.22		
21	2.41							7.19		
22	2.38							7.16	11	
23	2.30	5.0	96	2.0	38		0.08	7.18		
24	2.23							7.07		
25	2.15							7.20		
26	2.33							7.20		
27	2.33							7.26		
28	2.17							6.57		
29	2.12							7.19	9	
30	2.12	6.0	106	5.0	88		0.09	7.22		

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 **170,086 KWH** for the month of April 2025. Of this total, the lift stations accounted for **27 %**, using **45,286 KWH**. The Main Plant accounted for the remaining **124,800 KWH**. The KWH/ MG treated was **1,536 kw/MG** for the month and the KWH/Lb BOD Removed was **0.95 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
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	114,900.00	1,925.00	126,676.00	1.00	228.00	222.00	50,493.00	177,393.00
Feb '25	2.36	66.11	129,900.00	1,738.00	112,021.00	1.03	195.00	198.00	48,071.00	162,971.00
Mar '25	2.76	85.71	117,300.00	1,516.00	90,533.00	1.43	210.00	207.00	15,211.00	162,360.00
April '25	2.55	76.36	124,800.00	1,536.00	123,866.00	0.95	192.00	210.00	45,286.00	170,086.00
Average	2.00	60.67	116,400.00	2,042	131,712	0.91	190	198	398217	1,819,766



7.1 WORK ORDER OVERVIEW

WO Type	Total This Month	Total This Year
Preventative Maintenance	166	1451
Corrective Maintenance	14	171
Emergency Call Outs Total	2	51

7.2 EMERGENCY CALL OUTS FOR THE MONTH

Type	Total this Month	Total this Year
Sewer Back Up / Collections	0	16
Pump Station	0	16
Plant	0	14
Odor	0	1
Power Outages	0	19
Emerg Dig safe	2	20

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:

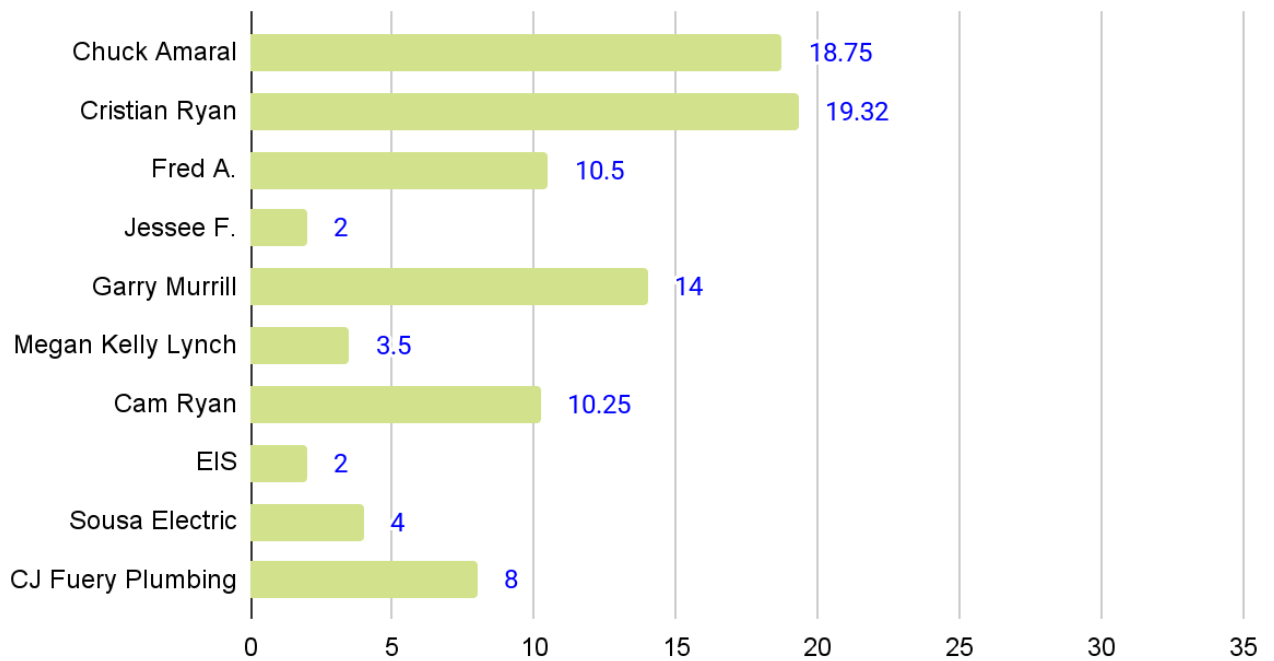
Type	Total This Month	Total This Year
Sewer Inspection / Tie-Ins	0	9
Sewer Location mark Outs	64	537
Sewer Backup	0	9



7.5 WORK ORDER STATISTICS

There were **92.32** total reported maintenance hours during the month. Of this total, outside contractors accounted for **15%** with **14** hour recorded.

April Work Orders 2025





8.0 FINANCIAL ACCOUNTING- REPAIR / MAINTENANCE ()

8.1 SIGNIFICANT R&M PURCHASES

05/05/25	USA Bluebook - Blue White Roller Assembly for Primary Ferric Pumps	\$ 278.57	
05/05/25	USA Bluebook - Blue White Tubes for Primary Ferric Pumps	\$ 163.02	
05/06/25	Wilkinson - CO Detectors were going off.	\$ 1,150.00	
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	
05/07/25	Wilkinson - Labor and materials to perform annual cleaning of main building 2 Lochinvar boilers	\$ 4,460.00	
05/12/25	AMH Enterprise - Lime Pump Oil	\$ 346.10	
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	

Item	Budget	Spent Month	Spent Year	Remaining
R & M (Project)	\$100,000.00	\$10,930	\$ 85,087	\$ 14,912



9.0 ATTACHED REPORTS

- Discharge Monitoring Report
- Data Reports
- Financial Reports