

TOWN OF SEABROOK
SEWER DEPARTMENT
274 RTE 286 • PO BOX 456
WRIGHT'S ISLAND
SEABROOK, NEW HAMPSHIRE 03874



REPORT OF THE SEWER DEPARTMENT

January 28, 2020

To: *Board of Selectmen; William Manzi – Town Manager*

From: *Curtis Slayton – Acting Sewer Superintendent*

This report contains contributions from each division within the sewer department as follows: Superintendent/Operations, Collections, Industrial Pre-treatment and Administration.

Each section describes activities that were completed, are ongoing or in the planning phase since the last status report.

SUPERINTENDENT / OPERATIONS

- Monthly DMR compliance reports submitted for Dec & Jan NHDES and EPA
- Planning for the Blackwater Bridge Outfall Pipe replacement is ongoing
- Review of the plant evaluation and upgrade recommendations from Weston & Sampson
- Met with Jones & Beach in regards to Hampton Falls connection to the sewer system.

Staffing:

- Branden Moore, Syllas Slayton, and Joe Walker all obtained their Grade I WW Operators license while Daumanic Fucile obtained his Grade II WW Operators License. All of the above listed tested for and received their Collections System certification.

COLLECTIONS

COLLECTION SYSTEM ACTIVITIES

**See attached report submitted by Mechanic I Daumanic Fucile*

INDUSTRIAL PRE-TREATMENT

- ***Business verifications:*** Verified 3 business locations and updated files with corrections/additional information.
- ***Food Service Establishments:*** Inspected grease interceptors at 7 food service establishments resulting in zero (0) Notice of Violations.
- ***Inspections:*** Conducted 9 inspections to ensure dischargers adhered to permit requirements.
- ***Renewal Notices:*** Issued 3 renewal notices to an existing business.
- ***Business License Applications:*** Approved 300 submitted license applications
- ***Other:*** Attended Tech Review Committee meeting on 01/14/2020

Information submitted by IPP Manager Mario Leclerc

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ADMINISTRATION

- Processed 3 sewer service applications with the new fee structure
- Processed year end data and filing
- Continued data collection for Phase 2 of the town's Asset Management Program.
- Continued updates to the towns GIS program and mapping

Information submitted by Secretary Jamie McDonald

Seabrook Wastewater Department Maintenance Report



October 4th 2019 –
January 24th 2020

Mr. Slayton,

I am pleased to present the following monthly report on maintenance activities from October 4th 2019 to January 24th 2020

Despite a large amount of time spent repairing the Mill Lane pump station, there were many other major projects that were completed including several major pump replacements.

Totals and major repair items for your review are as follows:

- 245 preventative work orders were completed representing 175 hours of labor and a total cost of \$4,700
- 32 corrective work orders were completed representing 293 hours of labor and a total cost of \$82,000
- Mill Lane pump #1 was replaced and most of the suction piping, total hours spent on project are estimated but total cost believed to be \$12,000
- Both pumps were replaced at the school station totaling \$12,800
- A pump was replaced at the Pineo Farm pump station along with both MiniCas relays totaling \$11,500
- The Muffin Monster at Rocks Rd pump station was replaced for \$16,300
- Belt press feed pump #2 was rebuilt with new pistons & packing for \$4,800
- The influent composite sampler was replaced totaling \$6,100

Work Order details are on the following pages.

If you have any questions or concerns, please do not hesitate to ask.

Daumanic Fucile
Mechanic

Work Order History by Date with WO Notes
10/04/2019 To 01/31/2020

Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
10/8/2019	12241	PS13 River Street Drain - River Street Drain	Corrective	C	Garret Murphy	3.00	\$88.94	\$0.00	\$9,571.72	\$9,660.66	0
Notes: Replaced pump #1 with a brand new pump. Total cost of parts: \$9,571.72											
10/10/2019	12239	PS7-Pump #1 - Mill Lane Pump Station Pump #1	Corrective	C	Daumanic Fucile	6.00	\$145.92	\$0.00	\$640.00	\$785.92	0
Notes: Replaced spool piece on pump #1 in hopes it would fix the suction leak. Parts cost roughly: \$640.00											
10/10/2019	12371	10-Composite Sampler - Hach Sigma 900 Max Refrigerated Sampler	Corrective	C	Daumanic Fucile	1.00	\$23.93	\$0.00	\$6,098.40	\$6,122.33	0
Notes: Replaced composite sampler with a brand new all weather unit from Hach. Total cost: \$6,98.40											
10/11/2019	12238	PS7-Check Valves - Mill Lane Pump Station Check Valves	Corrective	C	Ray Follansbee	9.00	\$230.10	\$0.00	\$83.22	\$313.32	0
Notes: Replaced check flap for pump #1. Parts cost: \$83.22											
10/11/2019	12240	MPS8-Pump #1 - Pineo Farms Pump Station Pump #1	Corrective	C	Garret Murphy	6.00	\$171.50	\$0.00	\$11,365.09	\$11,536.59	0
Notes: Replaced pump #1 with a brand new pump, also replaced both MiniCas relays and hired Rich to come out and wire in the new pump and relays. Total cost of parts: \$10,940.09 Cost of electrician: \$425.00											
10/17/2019	12258	PS18-Generator - Route 286 Pump	Corrective	C	Ray Follansbee	3.00	\$88.94	\$0.00	\$115.99	\$204.93	0

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
		Station Generator									
		Notes:	Replaced water pump and 5 gallons of antifreeze. Water pump: \$55.99 Antifreeze: \$60.00								
10/18/2019	12259	PS10-Pump #2 Motor - Ledge Road Pump Station Pump #2 Motor	Corrective	C	Ray Follansbee	2.00	\$51.99	\$0.00	\$645.00	\$696.99	0
		Notes:	Motor had gone bad. Replaced it with a spare. Parts cost: \$645.00								
10/22/2019	12309	PS4-Pump #2 - Walton School Pump Station Pump #2	Corrective	C	Garret Murphy	4.00	\$118.58	\$0.00	\$6,316.33	\$6,434.91	0
		Notes:	Installed brand new replacement pump from Flygt Model NP-3085.070-1960026 Pump and Start Kit: \$6,316.33								
10/22/2019	12303	PS17-Muffin Monster - Rocks Road Muffin Monster	Corrective	C	Garret Murphy	2.00	\$59.29	\$0.00	\$16,245.86	\$16,305.15	0
		Notes:	Replaced Muffin Monster with a brand new one, reused old motor. Price: \$16,245.86								
10/29/2019	12364	70-#93 F250 Mechanic Truck - #93 2012 Ford F-250 Mechanic Truck	Corrective	C	Daumanic Fucile	1.00	\$26.23	\$0.00	\$740.00	\$766.23	0
		Notes:	4 Brand new tires, Total: \$740.00								
10/30/2019	12306	Simplex 068 - 9 Virginia Lane (LaBarre, Leon)	Corrective	C	Daumanic Fucile	3.00	\$73.95	\$0.00	\$318.73	\$392.68	0
		Notes:	Raised simplex station cover. 4" cover and frame: \$300.00 Bolts: \$6.75 Sealant: \$11.98 Total parts cost: \$318.73								

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

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Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
10/30/2019	12307	90-Manhole Cover - Manhole Cover and Ring	Corrective	C	Daumanic Fucile	2.00	\$49.30	\$0.00	\$313.30	\$362.60	0
Notes: Manhole frame near dogtrack was broken. Replaced with a new frame and cover. Frame and Cover: \$300.00 Mortar: \$13.30 Total: \$313.30											
11/6/2019	12362	PS4-Pump #1 - Walton Road Pump Station Pump #1	Corrective	C	Ray Follansbee	4.00	\$105.94	\$0.00	\$6,316.33	\$6,422.27	0
Notes: Installed brand new replacement pump from Flygt, Model NP-3085.070-1960027 Pump and Start Kit: \$6,316.33											
11/11/2019	12365	70-#93 F250 Mechanic Truck - #93 2012 Ford F-250 Mechanic Truck	Corrective	C	Daumanic Fucile	1.00	\$26.00	\$0.00	\$1,371.14	\$1,397.14	0
Notes: Truck was brought to Wall's Ford for some preventative and corrective maintenance at 53,612 miles. The sparkplugs were replaced, transmission and radiator were both flushed, the passenger's side tie-rod end and draglink end were replaced, and an alignment was performed. Total cost of repairs: \$1,371.14											
11/11/2019	12366	20-Plant Water System - Plant Water System	Corrective	C	Ray Follansbee	5.00	\$148.23	\$0.00	\$0.00	\$148.23	0
Notes: The bladders in the plant water system pressure tanks had to be refilled with air to maintain appropriate water pressure.											
11/15/2019	12368	70-#92 F350 Crane Truck - #92 2008 Ford F-350 Crane Truck	Corrective	C	Daumanic Fucile	1.00	\$23.93	\$0.00	\$137.54	\$161.47	0
Notes: Replaced both leaking heater core hoses and 2 gallons of antifreeze. Total parts cost: \$137.54											
11/17/2019	12367	MPS3-Wetwell - Autumn Way Pump Station Wetwell	Corrective	C	Daumanic Fucile	4.50	\$107.69	\$0.00	\$56.00	\$163.69	0
Notes: Police called reporting the alarm was going off on the Autumn Way pump station. Replaced start float and placed good pump in lead for the night. Both pumps were pulled and cleaned the next day.											

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Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
			Float cost: \$56.00								
11/18/2019	12363	PS18-Blower #2 - Route 286 Pump Station West Side Blower	Corrective	C	Daumanic Fucile	2.00	\$53.58	\$0.00	\$0.00	\$53.58	0
			Notes: Replaced dry-side ventilation blower and motor with spare from generator room.								
12/9/2019	12436	PS17-Meter Vault - Rocks Road flowmeter & vault	Corrective	C	Daumanic Fucile	4.50	\$107.69	\$0.00	\$56.00	\$163.69	-2
			Notes: High level alarm, replaced "on" float for sump pump for \$56								
12/12/2019	12437	PS5-Pump #2 Motor - Causeway Street Pump Station Pump #2 Motor	Corrective	C	Daumanic Fucile	2.00	\$37.93	\$0.00	\$600.00	\$637.93	0
			Notes: Replaced motor, new motor cost \$600								
12/13/2019	12471	Simplex 010 - 58 Blacksnake Road (Catalano, Robert & Wanda)	Corrective	C	Garret Murphy	3.00	\$88.94	\$0.00	\$915.62	\$1,004.56	0
			Notes: Pump was burned out and was replaced with a brand new one for \$915.62								
12/13/2019	12472	Simplex 014 - 45B Collins Street (Frascone, Mary Anne)	Corrective	C	Garret Murphy	2.00	\$59.29	\$0.00	\$58.90	\$118.19	0
			Notes: Replaced burned out contactor Cost: \$58.90								
12/13/2019	12473	Simplex 027 - 26 Cross Beach (Felch, Lorenda)	Corrective	C	Garret Murphy	2.00	\$59.29	\$0.00	\$58.90	\$118.19	0
			Notes: Replaced burned out contactor Cost: \$58.90								
12/17/2019	12469	PS7-Pump #1 - Mill Lane Pump Station	Corrective	C	Garret Murphy	180.00	\$4,614.40	\$0.00	\$6,537.00	\$11,151.40	1

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Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
		Pump #1									
		Notes:	Replaced pump with brand new 4" Super T. from Gorman Rupp Cost of pump: \$6,337.00 Misc. parts: \$200.00								
12/26/2019	12508	PS7-Misc - Mill Lane Pump Station Miscellaneous	Corrective	C	Garret Murphy	5.00	\$137.90	\$0.00	\$200.00	\$337.90	0
		Notes:	Finished routing new drain hose for Pump 1 air release valve. Replumbed floor drain to dump into wet well, re-calked several joints, tightened bolts at all suction joints, and filled all holes into wet well with spray foam. Total rough cost of materials: \$200.00								
1/2/2020	12507	PS10-Pump #1 - Ledge Road Pump Station Pump #1	Corrective	C	Daumanic Fucile	5.00	\$123.26	\$0.00	\$150.00	\$273.26	0
		Notes:	Deragged pump and replaced faulty air release valve with a rebuilt spare. Also rerouted air release drain with flexible hose. Parts cost roughly \$150.00								
1/3/2020	12511	PS19-Odor Control Blower - Centennial Street Pump Station Odor Control Blower	Corrective	C	Daumanic Fucile	2.00	\$51.99	\$0.00	\$140.18	\$192.17	0
		Notes:	Replaced sump pump in biofilter. new pump: \$140.18								
1/9/2020	12512	80-Treatment Plant Grounds - Groundscape	Corrective	C	Daumanic Fucile	1.50	\$35.90	\$0.00	\$94.00	\$129.90	1
		Notes:	Replaced thermostat and heater fan relay in garage. Parts: \$94								
1/9/2020	12553	60-BFP Feed Pump#2 - Belt Filter Press Feed Pump #2	Corrective	C	Ray Follansbee	15.00	\$384.50	\$0.00	\$4,383.78	\$4,768.28	0
		Notes:	Rebuilt sludge pump with new pistons and packing. 3 Pistons: \$3,750.00 Packing: \$603.78 Oil and Misc: \$30 Total: \$4,383.78								
1/10/2020	12513	PS16-General - Route 107 Pump	Corrective	C	Garret Murphy	1.00	\$29.65	\$0.00	\$15.00	\$44.65	0

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Date Complete	WO#	Equipment	Task Description	Type*	Assigned to	Hours	Labor Cost	Inventory Cost	Misc. Cost	Total Cost	Lag Time**
		Station Bldg & Grnds									
		Notes: Replaced furnace overtemp sensor with one that autoresets upon cooldown. Parts cost: \$15.00									
1/15/2020	12529	60-BFP#1 - Belt Filter Press #1	Corrective	C	Daumanic Fucile	7.50	\$200.27	\$0.00	\$722.00	\$922.27	0
		Notes: Replaced short torn belt with a brand new one from NFM New belt: \$722.00									
1/17/2020	12531	90 All Pump Stations - All pump stations, general	Corrective	C	Ray Follansbee	3.00	\$88.94	\$0.00	\$92.00	\$180.94	2
		Notes: Generator air filters replaced with Napa Gold Filter #2095 Total parts cost: \$92.00									

Summary

Total # of WO's	32	Total Labor Cost	\$7,613.99
Total Hours	293.00	Total Inventory Cost	\$0.00
Average Lag Time*	0.25	Total Misc Cost	\$74,358.03
		Total Cost	\$81,972.02

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