Northport Village Corporation
Established 1915

The NVC Utilities Committee will meet in a regularly scheduled monthly meeting on **Friday, July 17, 2026 at 2:30PM.** The meeting will be held in the Community Hall (downstairs) and online via Zoom.

The public is invited to attend.

The meeting agenda follows a standard structure:

1. Welcome for public comments
2. Call meeting to order
3. Approve June 26, 2026 minutes
4. Superintendent's Report
    a. June 2026 monitoring data
    b. Engineering studies status
    c. Fire Protection Funding – waiver status
5. 2025 Audit status – grants accounting; records documentation process
6. Financial Reviews
    a. May Year-to-date Expenditures vs. Budget reports
    b. June Warrants – approved expenditures briefing; payables (Dirigo)
    c. Current Bank Balances
    d. Long-term Debt status (including inter-department loan)
    e. Upcoming customer trimester billings; cash flow
7. NVC Water Dept. Terms & Conditions – comparative review
8. Other matters
9. Adjourn

A Zoom link and supporting materials will be concurrently furnished to the Utilities trustees and the public prior to the meeting date. **If you wish to attend this virtually, please contact the NVC office in advance by telephone (207-338-0751) or by email (officemanager@nvcmaine.gov)** to be added to a list of verified attendees.

Requests must include your full name, Bayside address and email address. If your property is not in your name, please provide the property owner's name. Once the information is verified, you will receive the Zoom link. This measure is taken to eliminate inappropriate interruptions by unauthorized Zoom participants.

NVC Utilities Committee Meeting
Community Hall and by Zoom link
Friday, June 26, 2026, 2:30 P.M.

Trustees Present: Interim Chair Fred Lincoln, Casey Brown, Judy Metcalf, and Diana Eastty (Zoom)
Staff Present: Bill Paige, Village Agent; Chuck Applebee, Utilities Superintendent; Alyssa Haywood, NVC Office Manager

The June 2026 meeting of the NVC Utilities Trustees was called to order by the Interim Utilities Chair.

Community Comments: None

Approve Minutes: A motion was made by Casey Brown and seconded by Judy Metcalf to approve the May 15, 2026 Utilities Committee meeting minutes. Motion carried - Unanimous.

Superintendent's Report

1. May 2026 reporting data reflects no exceedances experienced in the period, with continuation of positive trends. BOD and TSS levels are higher than the prior month, but well within regulatory limits.
2. As planned, Moore's Septic successfully performed pumping activities on June 26, (the first 2026 pumping occurred on April 24). Sixty thousand gals. were pumped and hauled away, with Moore's honoring their same pricing as in 2025; next pumping is planned in October.
3. The Utilities Superintendent provided a status on the Wastewater Fiscal Sustainability Plan grant (2 components) and the Water Climate Adaptability Plan activities, both which involve grant funding. NVC should receive the final engineering reports in autumn 2026 and in 2027, respectively.
4. It was confirmed with the Maine PUC Commission that NVC's Fire Protection Waiver request was received and is currently in review.
5. The Superintendent offered to provide a current, comparative Utilities Terms & Conditions document for the trustees' consideration in preparation for updating NVC's own document.

Financial Review

Outstanding customer collections from the spring 2026 billing period are now under $1,000. Billing/collection activities are closely monitored for cash flow efficiency, given NVC's billing is months

in arrears following expenditures. Water meters will be read in July with the 2nd trimester Water and Wastewater billings to shortly follow.

The most currently available 2026 Budget vs. Actuals reports, now reflecting revenue data from the first trimester billings, were reviewed by the trustees. Actual costs associated with the May warrants were briefed.

The interim Chair reported on the current Bangor Savings bank balances, with a reminder of the amounts only reflecting a point in time with operating expenditure activities ongoing.

The trustees were briefed on shared expenditures currently being considered by the NVC overseers for the 2027 General Government budget, including replacement of the village truck and employee health benefits which may ultimately impact the Water and Wastewater 2027 budgets.

Other

A leak was reported in the water main that serves Maple St., the treatment plant, Ruggles Park, and the Yacht Club building. The Village Agent and Utilities Superintendent are working to identify the failure source and temporarily resolve the issue. A leak on this line also occurred in 2025. It is anticipated the entire line will need to be replaced in the future.

Meeting adjourned at 3:35 p.m.

July 12, 2026

Utility Department Monthly Operating Report
Sewer Department

June 2026 Effluent Monitoring Data

During the operating period of May 2026 there were no exceedances. See performance table below for further details of the regulatory monitoring data, for the month of June 2026.

See updated Flow, TSS and BOD Trend Charts at the end of this report.

WWTP Monthly Performance Table

Parameters	June	May	April	YTD Low	YTD Hi	**YTD**	2025	**DEP Limit**	**YTD Exceed-acnes**
Flow GPD Avg	12971	19866	17781	3844	23896	**14646**	14352	**63,000**	0
Precip inches	4.76	4.03	4.11	.25	4.76	2.74	2.61	n/a	0
TSS lbs/min	0.93	0.8	0.5	0.29	0.93	**0.61**	1.41	**<76**	0
TSS lbs max	5.64	2.6	1.4	0.37	6.34	**2.97**	2.3	**report**	0
TSS mg/l ave	16	9	7	7	16	**11.3**	18.7	**<145**	0
TSS mg/l max	20	12	10	10	22	**13.13**	23.88	**report**	0
TSS % removal	94	96.9	97.6	94	97.6	**96.1**	94.0	**>50**	0
BOD lbs/min	4.65	3.2	3.1	2.46	4.65	**3.3**	2.68	**<107**	0
BOD lbs max	21.31	13.0	6.2	4.26	95.12	**24.24**	16.09	**report**	0
BOD mg/l ave	76	43	39	39	105	**70.8**	**98.36**	**<203**	0
BOD mg/l max	93	61	44	44	189	**109**	129	**report**	0
BOD % removal	74	85.3	86.6	64	86.6	**75.8**	68.05	**>30**	0
pH low	6.4	6.5	6.4	6.4	6.5	**6.5**	6.45	**>6.0**	0
pH high	6.7	6.7	6.7	6.7	6.7	**6.7**	6.82	**<9.0**	0
St solids ml/l av	0.1	0.1	0.1	0.1	0.1	**0.1**	0.11	**report**	0
TRC mg/l max	.04	.04	0.05	0.03	0.05	**0.04**	0.03	**<0.3**	0
Fecal cfu ave	<4	<4	<4	<4	<4	**<4**	<4	**<14**	0
Fecal cfu max	<4	<4	<4	<4	<4	**<4**	<4	**<31**	0
Entero cfu ave	<4	<4	<4	<4	<4	**<4**	6	**<8**	0
Entero cfu max	<4	<4	<4	<4	<4	**<4**	68	**<54**	1
Hg ng/l ave	n/a	16.5	n/a	n/a	n/a	**16.5**	17.5	**33.4**	0
Hg ng/l max	n/a	2.6	n/a	n/a	n/a	**2.6**	9.5	**50.1**	0

1. **In May 2026 Low Level Mercury was tested with a result of 2.6 ng/l resulting in an running calculated average of 9.5 ng/l.**
2. **Moore's Septage pumped first 2 tanks on each train April 24th 2026 and Oct 4th the last scheduled pump for 2025.**
3. **Moore's also pumped all tanks on June 26, 2026.**
4. **A new flow recorder was installed on April 4, 2025. Annual flow calibrations happened on Friday June 26th 2026 in coordination with tank pumping.**
5. **We expect a draft report from Dirigo for the FSP and CAP Projects.**

6. **As agreed with MDEP Conductivity testing continues on bacteria samples for determining relevance of high tide in relationship to high entro bacteria results.**

Drinking Water Department

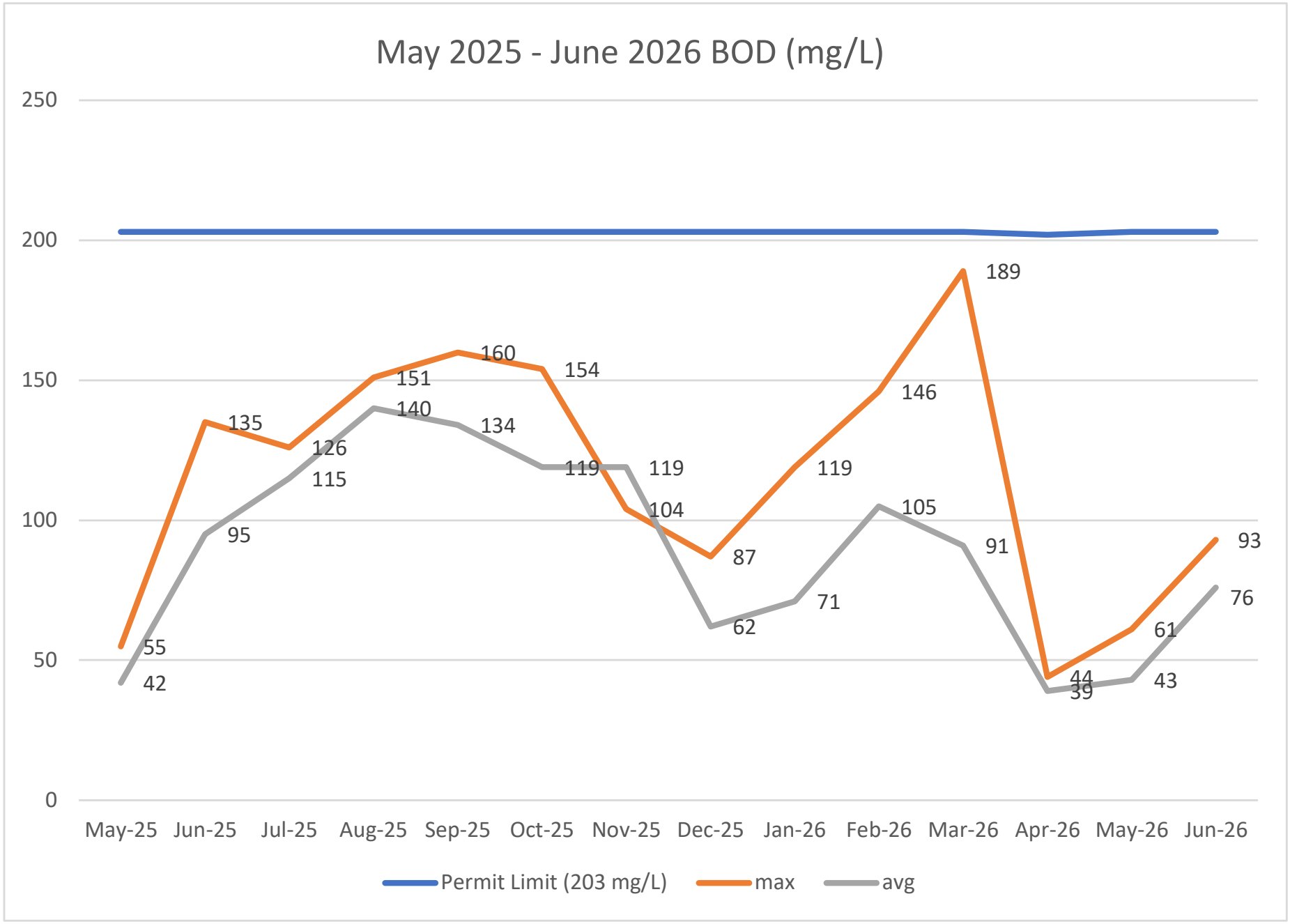
June 2026 Production and Water Quality.

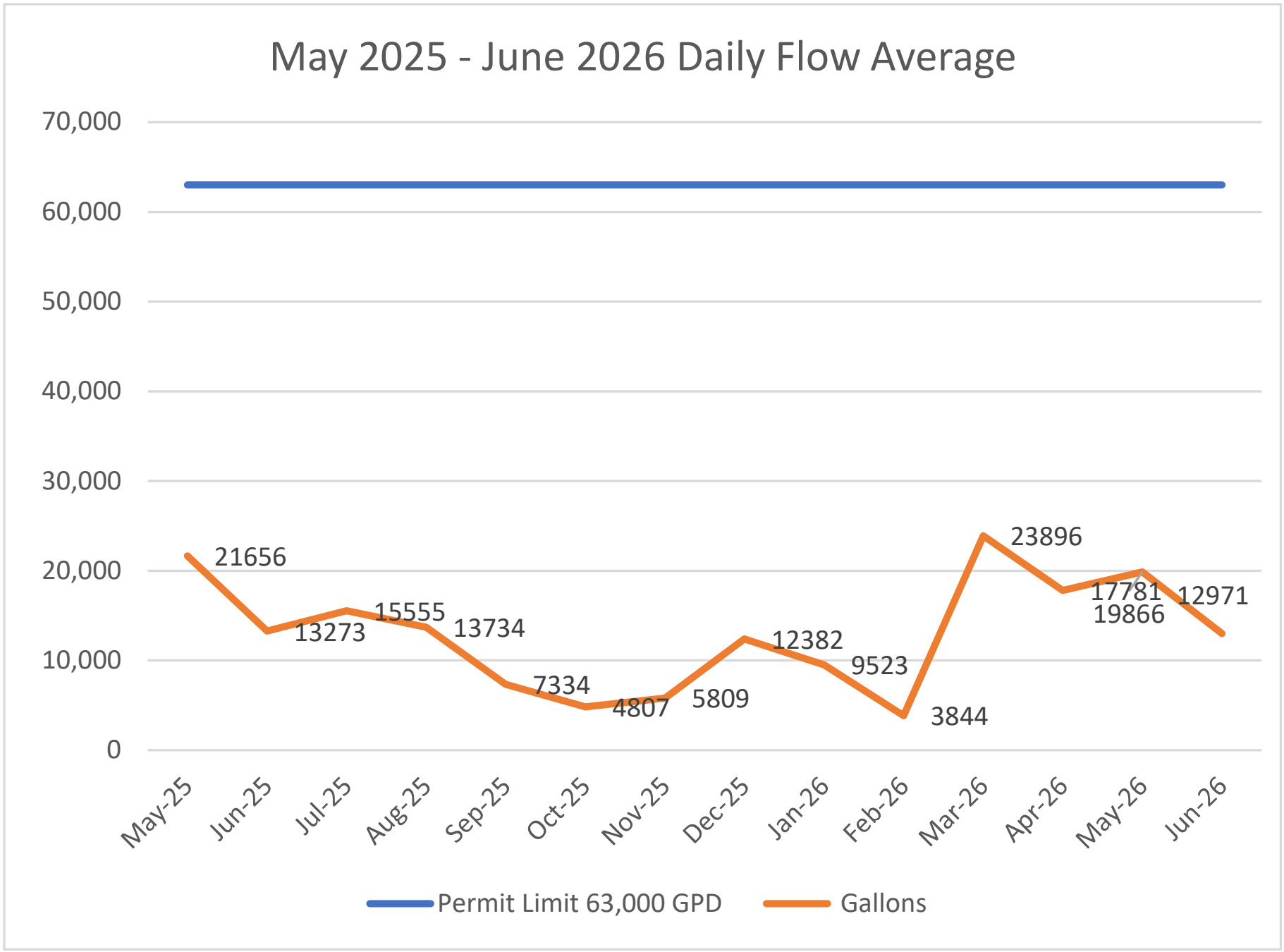
For the month we averaged 35,729 gpd compared to 21,715 gpd for the same month in 2025. The weekly free chlorine residual in the drinking water ranged from 0.22 - 0.32 ppm/Cl^2 compared to the recommended goal of >.20 to <1.0 ppm/Cl2 at the entry point to the distribution system and a detectable residual at the tap. The EPA maximum concentration level (MCL) not to be exceeded for chlorine residual related to human health is 4.0 ppm. The monthly total coliform and e-coli water sample test results were negative.

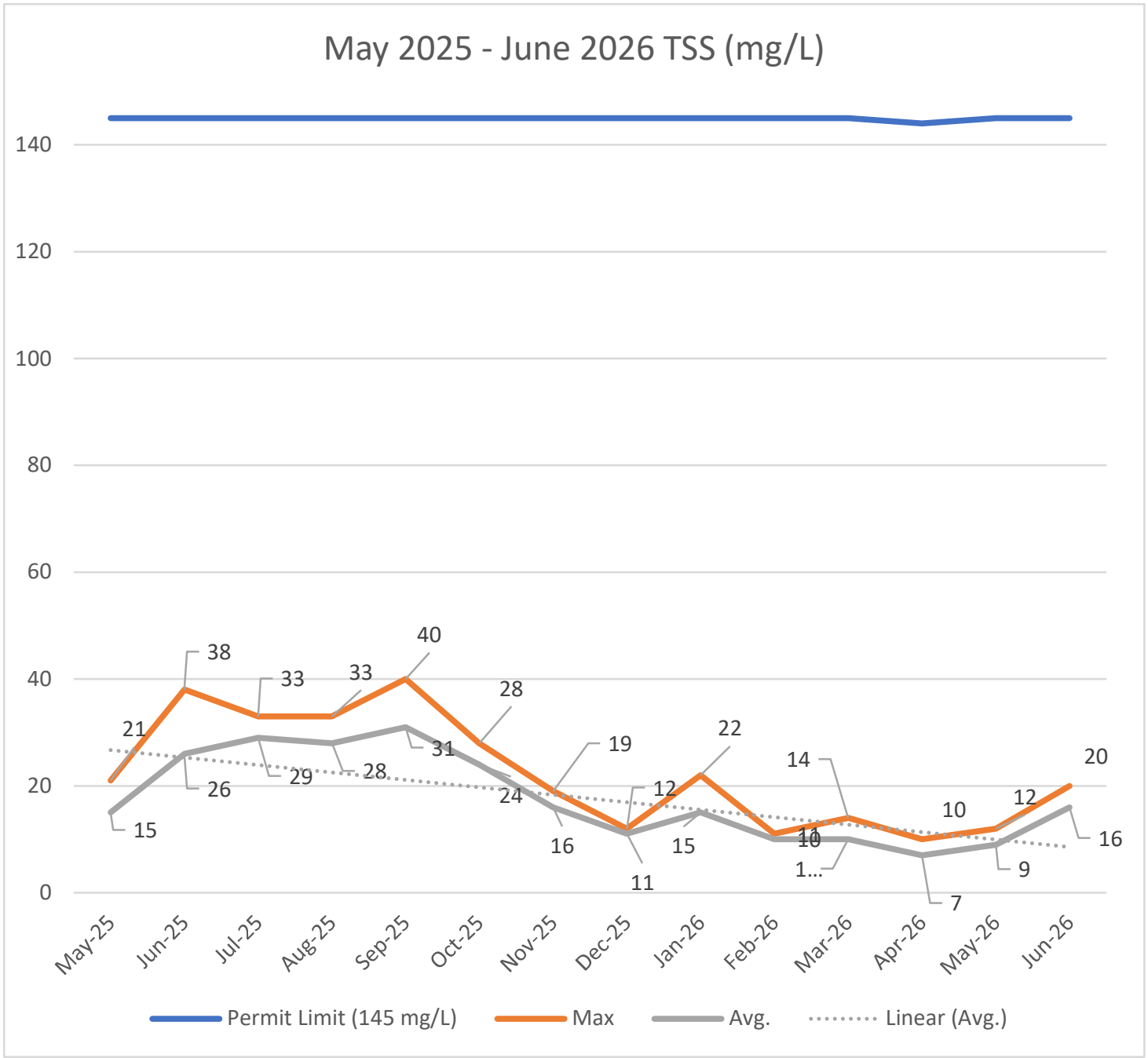
1. **A leak is suspected on the water main that serves Maple Street, Treatment Plant, Ruggles Park and the Yacht Club. Investigation was conducted on 7/10/2026 but testing was not conclusive.**
2. **A Capacity Development Grant application was submitted on behalf of the water system and the state awarded NVC Water Department a grant of $29,999 for a $40,000 project. We expect a draft contract from Dirigo for the Capacity Development Project.**

May 2025 - June 2026 Northport Village
Flow Bod TSS Data

	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26
Flow Avg														
Gals	21656	13273	15555	13734	7334	4807	5809	12382	9523	3844	23896	17781	19866	12971
BOD mg/l														
max	55	135	126	151	160	154	104	87	119	146	189	44	61	93
avg	42	95	115	140	134	119	119	62	71	105	91	39	43	76
TSS mg/l														
max	21	38	33	33	40	28	19	12	22	11	14	10	12	20
avg	15	26	29	28	31	24	16	11	15	10	10	7	9	16


May 2025 - June 2026 BOD (mg/L)
250
200
150
100
50
0
May-25
Jun-25
Jul-25
Aug-25
Sep-25
Oct-25
Nov-25
Dec-25
Jan-26
Feb-26
Mar-26
Apr-26
May-26
Jun-26
55
135
126
151
160
154
119
104
87
119
146
189
44
61
93
42
95
115
140
134
119
62
71
105
91
39
43
76
Permit Limit (203 mg/L)
max
avg


May 2025 - June 2026 Daily Flow Average
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
21656
13273
15555
13734
7334
4807
5809
12382
9523
3844
23896
17781
19866
12971
May-25
Jun-25
Jul-25
Aug-25
Sep-25
Oct-25
Nov-25
Dec-25
Jan-26
Feb-26
Mar-26
Apr-26
May-26
Jun-26
Permit Limit 63,000 GPD
Gallons


May 2025 - June 2026 TSS (mg/L)
140
120
100
80
60
40
20
0
May-25
Jun-25
Jul-25
Aug-25
Sep-25
Oct-25
Nov-25
Dec-25
Jan-26
Feb-26
Mar-26
Apr-26
May-26
Jun-26
Permit Limit (145 mg/L)
Max
Avg.
Linear (Avg.)

NVC- Sewer

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
Revenue						
4000 Revenue						
4400 Sewer Operating Revenue						
4410 Sewer Fees	109,655.68	335,080.00	-225,424.32	225,424.32	32.73 %	67.27 %
Total 4400 Sewer Operating Revenue	**109,655.68**	**335,080.00**	**-225,424.32**	**225,424.32**	**32.73 %**	**67.27 %**
4600 Sewer Non-operating Revenue						
4610 Interest Income	1,307.71	2,000.00	-692.29	692.29	65.39 %	34.61 %
4620 Grants	19,155.12	0.00	19,155.12	-19,155.12		
4630 Miscellaneous Revenue		0.00	0.00	0.00		
4640 RTS fee	664.50		664.50	-664.50		
Total 4600 Sewer Non-operating Revenue	**21,127.33**	**2,000.00**	**19,127.33**	**-19,127.33**	**1,056.37 %**	**-956.37 %**
Total 4000 Revenue	**130,783.01**	**337,080.00**	**-206,296.99**	**206,296.99**	**38.80 %**	**61.20 %**
Billable Expenditure Revenue		0.00	0.00	0.00		
Services		3,010.00	-3,010.00	3,010.00		100.00 %
Unapplied Cash Payment Revenue		0.00	0.00	0.00		
Uncategorized Income		0.00	0.00	0.00		
Total Revenue	**$130,783.01**	**$340,090.00**	**$ -209,306.99**	**$209,306.99**	**38.46 %**	**61.54 %**
GROSS PROFIT	**$130,783.01**	**$340,090.00**	**$ -209,306.99**	**$209,306.99**	**38.46 %**	**61.54 %**
Expenditures						
6000 1099 Contractors						
6010 Casual Labor		0.00	0.00	0.00		
6020 Contracted Services						
6021 Mowing and Trimming Service		0.00	0.00	0.00		
6022 Trash Collection		0.00	0.00	0.00		
Total 6020 Contracted Services		**0.00**	**0.00**	**0.00**		
6036 Bookkeeping	3,951.75	9,600.00	-5,648.25	5,648.25	41.16 %	58.84 %
6047 Sewer Utilities Superintendent	9,793.83	30,000.00	-20,206.17	20,206.17	32.65 %	67.35 %
Total 6000 1099 Contractors	**13,745.58**	**39,600.00**	**-25,854.42**	**25,854.42**	**34.71 %**	**65.29 %**
6050 Auto Expenses						
6051 Auto Fuel Expense						
6052 Cruiser Fuel		0.00	0.00	0.00		
6053 Truck Fuel	266.63	750.00	-483.37	483.37	35.55 %	64.45 %
Total 6051 Auto Fuel Expense	**266.63**	**750.00**	**-483.37**	**483.37**	**35.55 %**	**64.45 %**
6055 Auto Repairs & Maintenance						
6056 Cruiser Maintenance		0.00	0.00	0.00		
6057 Truck Maintenance	1,000.72	1,000.00	0.72	-0.72	100.07 %	-0.07 %
Total 6055 Auto Repairs & Maintenance	**1,000.72**	**1,000.00**	**0.72**	**-0.72**	**100.07 %**	**-0.07 %**
6058 Mileage Expenses		0.00	0.00	0.00		
6059 Accrue for Truck Replacement		2,000.00	-2,000.00	2,000.00		100.00 %
Total 6050 Auto Expenses	**1,267.35**	**3,750.00**	**-2,482.65**	**2,482.65**	**33.80 %**	**66.20 %**
6065 Community Events		0.00	0.00	0.00		

NVC- Sewer

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
6070 Employee Wages & Benefits						
6075 Employee Benefits						
6076 Company Paid Benefits	1,417.24	4,000.00	-2,582.76	2,582.76	35.43 %	64.57 %
6077 Income Protection Plan	480.81	2,500.00	-2,019.19	2,019.19	19.23 %	80.77 %
Total 6075 Employee Benefits	**1,898.05**	**6,500.00**	**-4,601.95**	**4,601.95**	**29.20 %**	**70.80 %**
6080 Employees Salaries & Wages						
6081 Collection System Operator	5,938.30	18,000.00	-12,061.70	12,061.70	32.99 %	67.01 %
6081.5 Assistant CSO		5,000.00	-5,000.00	5,000.00		100.00 %
6082 Distribution Officer Wages	0.00	0.00	0.00	0.00		
6082.5 Assistant DO Wages		0.00	0.00	0.00		
6083 Lifeguard Wages		0.00	0.00	0.00		
6084 Office Personnel Wages	7,054.12	18,100.00	-11,045.88	11,045.88	38.97 %	61.03 %
6084.5 Finance Manager		4,000.00	-4,000.00	4,000.00		100.00 %
6085 Police Wages		0.00	0.00	0.00		
6086 Treatment Plant Operator	15,128.50	38,425.00	-23,296.50	23,296.50	39.37 %	60.63 %
6087 Utility Billing Wages	1,637.93	5,500.00	-3,862.07	3,862.07	29.78 %	70.22 %
6088 Village Agent Wages		0.00	0.00	0.00		
6088.50 Village Agent Assistant		0.00	0.00	0.00		
6089 Village Official Wages		0.00	0.00	0.00		
6090 Winter Road Wages		0.00	0.00	0.00		
Total 6080 Employees Salaries & Wages	**29,758.85**	**89,025.00**	**-59,266.15**	**59,266.15**	**33.43 %**	**66.57 %**
6095 Payroll Processing Fees	277.25	1,100.00	-822.75	822.75	25.20 %	74.80 %
6096 Payroll Tax Expense	2,747.87	7,000.00	-4,252.13	4,252.13	39.26 %	60.74 %
Total 6070 Employee Wages & Benefits	**34,682.02**	**103,625.00**	**-68,942.98**	**68,942.98**	**33.47 %**	**66.53 %**
6150 Information & Notices		300.00	-300.00	300.00		100.00 %
6160 Insurance Paid						
6161 Property & Casualty Insurance		3,500.00	-3,500.00	3,500.00		100.00 %
6162 Workers Comp Insurance		1,300.00	-1,300.00	1,300.00		100.00 %
Total 6160 Insurance Paid		**4,800.00**	**-4,800.00**	**4,800.00**		**100.00 %**
6190 Legal & Professional Services						
6191 Auditing Services	3,946.50	10,000.00	-6,053.50	6,053.50	39.47 %	60.54 %
6192 Engineering Fees	25,391.44	0.00	25,391.44	-25,391.44		
6193 Legal Fees		0.00	0.00	0.00		
Total 6190 Legal & Professional Services	**29,337.94**	**10,000.00**	**19,337.94**	**-19,337.94**	**293.38 %**	**-193.38 %**
6210 Licenses, Permits, & Fees		2,500.00	-2,500.00	2,500.00		100.00 %
6240 Membership Dues		300.00	-300.00	300.00		100.00 %
6260 Office Supplies	586.63	1,500.00	-913.37	913.37	39.11 %	60.89 %
6285 Postage	156.00	1,500.00	-1,344.00	1,344.00	10.40 %	89.60 %
6305 Regulatory Fees	1,341.06	1,500.00	-158.94	158.94	89.40 %	10.60 %
6330 Repairs & Maintenance						
6331 Building Repairs & Maintenance	216.47	500.00	-283.53	283.53	43.29 %	56.71 %
6332 Cleaning	371.25	850.00	-478.75	478.75	43.68 %	56.32 %

NVC- Sewer

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
6335 Sludge Removal	11,080.00	50,000.00	-38,920.00	38,920.00	22.16 %	77.84 %
6337 Wharf & Floats Maintenance		2,500.00	-2,500.00	2,500.00		100.00 %
6342 General Repairs & Maintenance	1,014.25	12,000.00	-10,985.75	10,985.75	8.45 %	91.55 %
Total 6330 Repairs & Maintenance	**12,681.97**	**65,850.00**	**-53,168.03**	**53,168.03**	**19.26 %**	**80.74 %**
6344 Safety Committee Operations		0.00	0.00	0.00		
6345 Software	1,187.06	5,000.00	-3,812.94	3,812.94	23.74 %	76.26 %
6350 Supplies & Chemicals	3,225.61	12,000.00	-8,774.39	8,774.39	26.88 %	73.12 %
6360 Tax Collection Fees		0.00	0.00	0.00		
6370 Training						
6371 Police Training		0.00	0.00	0.00		
Total 6370 Training		**0.00**	**0.00**	**0.00**		
6390 Uniforms, Equipment, & Supplies						
6391 Lifeguard - Uniforms, Equipment, & Supplies		0.00	0.00	0.00		
6392 Police - Uniforms, Equipment, & Supplies		0.00	0.00	0.00		
Total 6390 Uniforms, Equipment, & Supplies		**0.00**	**0.00**	**0.00**		
6400 Utilities						
6401 Electricity Expense	2,160.30	5,500.00	-3,339.70	3,339.70	39.28 %	60.72 %
6402 Oil	297.00	600.00	-303.00	303.00	49.50 %	50.50 %
6403 Hydrant Rental		150.00	-150.00	150.00		100.00 %
6404 Propane	95.41	750.00	-654.59	654.59	12.72 %	87.28 %
6405 Street Lights		0.00	0.00	0.00		
6406 Telephone & Internet Expenses	504.02	1,500.00	-995.98	995.98	33.60 %	66.40 %
6407 Water & Sewer	523.70	1,800.00	-1,276.30	1,276.30	29.09 %	70.91 %
Total 6400 Utilities	**3,580.43**	**10,300.00**	**-6,719.57**	**6,719.57**	**34.76 %**	**65.24 %**
6500 Water Testing	3,042.68	11,000.00	-7,957.32	7,957.32	27.66 %	72.34 %
6700 Depreciation Expense		0.00	0.00	0.00		
6800 Bond Expenses						
6810 2008 MMBB Bond Principal		6,998.00	-6,998.00	6,998.00		100.00 %
6811 2008 MMBB Bond Interest	360.38	360.00	0.38	-0.38	100.11 %	-0.11 %
6814 2012 MMBB Refinance Bond Principal	5,582.59	5,583.00	-0.41	0.41	99.99 %	0.01 %
6815 2012 MMBB Refinance Bond Interest	1,930.41	1,930.00	0.41	-0.41	100.02 %	-0.02 %
6816 2013 BHBT Bond Principal		12,571.00	-12,571.00	12,571.00		100.00 %
6817 2013 BHBT Bond Interest	2,512.91	5,026.00	-2,513.09	2,513.09	50.00 %	50.00 %
6821 Loan Payment to Water - Principal	4,858.57	19,532.00	-14,673.43	14,673.43	24.87 %	75.13 %
6822 Loan Payment to Water - Interest	749.05	1,304.00	-554.95	554.95	57.44 %	42.56 %
Total 6800 Bond Expenses	**15,993.91**	**53,304.00**	**-37,310.09**	**37,310.09**	**30.01 %**	**69.99 %**
Unapplied Cash Bill Payment Expenditure		0.00	0.00	0.00		
Uncategorized Expense		0.00	0.00	0.00		
Total Expenditures	**$120,828.24**	**$326,829.00**	**$ -206,000.76**	**$206,000.76**	**36.97 %**	**63.03 %**
NET OPERATING REVENUE	**$9,954.77**	**$13,261.00**	**$ -3,306.23**	**$3,306.23**	**75.07 %**	**24.93 %**

NVC- Sewer

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
Other Expenditures						
7100 Contingency Expenses		6,361.00	-6,361.00	6,361.00		100.00 %
7300 Sewer Reserve Fund		7,200.00	-7,200.00	7,200.00		100.00 %
Reconciliation Discrepancies		0.00	0.00	0.00		
Total Other Expenditures	**$0.00**	**$13,561.00**	**$ -13,561.00**	**$13,561.00**	**0.00%**	**100.00 %**
NET OTHER REVENUE	**$0.00**	**$ -13,561.00**	**$13,561.00**	**$ -13,561.00**	**0.00 %**	**100.00 %**
NET REVENUE	**$9,954.77**	**$ -300.00**	**$10,254.77**	**$ -10,254.77**	**-3,318.26 %**	**3,418.26 %**

NVC- WATER

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
Revenue						
4100 Water Revenue						
4200 Water Operating Revenue						
4210 Water Sales	74,000.23	210,800.00	-136,799.77	136,799.77	35.10 %	64.90 %
4220 Rate Increase		0.00	0.00	0.00		
4230 Water Service Fee Revenue		8,000.00	-8,000.00	8,000.00		100.00 %
4240 Hydrant Rental Revenue		25,000.00	-25,000.00	25,000.00		100.00 %
Total 4200 Water Operating Revenue	**74,000.23**	**243,800.00**	**-169,799.77**	**169,799.77**	**30.35 %**	**69.65 %**
4300 Water Non-operating Revenue						
4310 Interest Income	2,294.22	3,000.00	-705.78	705.78	76.47 %	23.53 %
4320 Interest on Loan Receivable Sewer	749.05	1,304.00	-554.95	554.95	57.44 %	42.56 %
4330 Lead Pipe Study Grant		0.00	0.00	0.00		
4340 Miscellaneous Revenue	452.00	0.00	452.00	-452.00		
Total 4300 Water Non-operating Revenue	**3,495.27**	**4,304.00**	**-808.73**	**808.73**	**81.21 %**	**18.79 %**
Total 4100 Water Revenue	**77,495.50**	**248,104.00**	**-170,608.50**	**170,608.50**	**31.24 %**	**68.76 %**
Unapplied Cash Payment Revenue		0.00	0.00	0.00		
Uncategorized Income		0.00	0.00	0.00		
Total Revenue	**$77,495.50**	**$248,104.00**	**$ -170,608.50**	**$170,608.50**	**31.24 %**	**68.76 %**
Cost of Goods Sold						
5000 Cost of Goods Sold						
5100 Water Purchases	10,932.21	30,000.00	-19,067.79	19,067.79	36.44 %	63.56 %
Total 5000 Cost of Goods Sold	**10,932.21**	**30,000.00**	**-19,067.79**	**19,067.79**	**36.44 %**	**63.56 %**
Total Cost of Goods Sold	**$10,932.21**	**$30,000.00**	**$ -19,067.79**	**$19,067.79**	**36.44 %**	**63.56 %**
GROSS PROFIT	**$66,563.29**	**$218,104.00**	**$ -151,540.71**	**$151,540.71**	**30.52 %**	**69.48 %**
Expenditures						
6000 1099 Contractors						
6010 Casual Labor		0.00	0.00	0.00		
6020 Contracted Services						
6021 Mowing and Trimming Service		0.00	0.00	0.00		
6022 Trash Collection		0.00	0.00	0.00		
Total 6020 Contracted Services		**0.00**	**0.00**	**0.00**		
6036 Bookkeeping	3,951.75	9,600.00	-5,648.25	5,648.25	41.16 %	58.84 %
6047 Water Utilities Superintendent	7,900.13	25,000.00	-17,099.87	17,099.87	31.60 %	68.40 %
Total 6000 1099 Contractors	**11,851.88**	**34,600.00**	**-22,748.12**	**22,748.12**	**34.25 %**	**65.75 %**
6050 Auto Expenses						
6051 Auto Fuel Expense						
6052 Cruiser Fuel		0.00	0.00	0.00		
6053 Truck Fuel	266.63	750.00	-483.37	483.37	35.55 %	64.45 %
Total 6051 Auto Fuel Expense	**266.63**	**750.00**	**-483.37**	**483.37**	**35.55 %**	**64.45 %**
6055 Auto Repairs & Maintenance						
6056 Cruiser Maintenance		0.00	0.00	0.00		

NVC- WATER

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
6057 Truck Maintenance	1,000.72	1,000.00	0.72	-0.72	100.07 %	-0.07 %
Total 6055 Auto Repairs & Maintenance	**1,000.72**	**1,000.00**	**0.72**	**-0.72**	**100.07 %**	**-0.07 %**
6058 Mileage Expenses		0.00	0.00	0.00		
6059 Accrue for Truck Replacement		2,000.00	-2,000.00	2,000.00		100.00 %
Total 6050 Auto Expenses	**1,267.35**	**3,750.00**	**-2,482.65**	**2,482.65**	**33.80 %**	**66.20 %**
6065 Community Events		0.00	0.00	0.00		
6070 Employee Wages & Benefits						
6075 Employee Benefits						
6076 Company Paid Benefits	1,445.13	4,000.00	-2,554.87	2,554.87	36.13 %	63.87 %
6077 Income Protection Plan	212.40	1,200.00	-987.60	987.60	17.70 %	82.30 %
Total 6075 Employee Benefits	**1,657.53**	**5,200.00**	**-3,542.47**	**3,542.47**	**31.88 %**	**68.12 %**
6080 Employees Salaries & Wages						
6081 Collection System Operator		0.00	0.00	0.00		
6082 Distribution Officer Wages	14,120.21	41,600.00	-27,479.79	27,479.79	33.94 %	66.06 %
6082.5 Assistant DO Wages		4,000.00	-4,000.00	4,000.00		100.00 %
6083 Lifeguard Wages		0.00	0.00	0.00		
6084 Office Personnel Wages	7,054.12	18,100.00	-11,045.88	11,045.88	38.97 %	61.03 %
6084.50 Finance Manager		4,000.00	-4,000.00	4,000.00		100.00 %
6085 Police Wages		0.00	0.00	0.00		
6087 Utility Billing Wages	1,637.94	5,500.00	-3,862.06	3,862.06	29.78 %	70.22 %
6088 Village Agent Wages		0.00	0.00	0.00		
6088.50 Village Agent Assistant		0.00	0.00	0.00		
6089 Village Official Wages		0.00	0.00	0.00		
6090 Winter Road Wages		0.00	0.00	0.00		
Total 6080 Employees Salaries & Wages	**22,812.27**	**73,200.00**	**-50,387.73**	**50,387.73**	**31.16 %**	**68.84 %**
6095 Payroll Processing Fees	277.25	1,100.00	-822.75	822.75	25.20 %	74.80 %
6096 Payroll Tax Expense	1,955.57	6,000.00	-4,044.43	4,044.43	32.59 %	67.41 %
Total 6070 Employee Wages & Benefits	**26,702.62**	**85,500.00**	**-58,797.38**	**58,797.38**	**31.23 %**	**68.77 %**
6150 Information & Notices		300.00	-300.00	300.00		100.00 %
6160 Insurance Paid						
6161 Property & Casualty Insurance		3,220.00	-3,220.00	3,220.00		100.00 %
6162 Workers Comp Insurance		1,000.00	-1,000.00	1,000.00		100.00 %
Total 6160 Insurance Paid		**4,220.00**	**-4,220.00**	**4,220.00**		**100.00 %**
6170 Interest		0.00	0.00	0.00		
6190 Legal & Professional Services						
6191 Auditing Services	5,262.00	14,000.00	-8,738.00	8,738.00	37.59 %	62.41 %
6192 Engineering Fees		0.00	0.00	0.00		
6193 Legal Fees		0.00	0.00	0.00		
Total 6190 Legal & Professional Services	**5,262.00**	**14,000.00**	**-8,738.00**	**8,738.00**	**37.59 %**	**62.41 %**
6210 Licenses, Permits, & Fees		600.00	-600.00	600.00		100.00 %
6240 Membership Dues		300.00	-300.00	300.00		100.00 %

NVC- WATER

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
6260 Office Supplies	473.91	1,500.00	-1,026.09	1,026.09	31.59 %	68.41 %
6285 Postage	468.00	1,500.00	-1,032.00	1,032.00	31.20 %	68.80 %
6305 Regulatory Fees	780.00	1,200.00	-420.00	420.00	65.00 %	35.00 %
6330 Repairs & Maintenance						
6331 Building Repairs & Maintenance	216.47	500.00	-283.53	283.53	43.29 %	56.71 %
6332 Cleaning	371.25	850.00	-478.75	478.75	43.68 %	56.32 %
6342 General Repairs & Maintenance	9,575.00	12,000.00	-2,425.00	2,425.00	79.79 %	20.21 %
Total 6330 Repairs & Maintenance	**10,162.72**	**13,350.00**	**-3,187.28**	**3,187.28**	**76.13 %**	**23.87 %**
6345 Software	1,187.06	5,000.00	-3,812.94	3,812.94	23.74 %	76.26 %
6350 Supplies	1,367.67	5,500.00	-4,132.33	4,132.33	24.87 %	75.13 %
6360 Tax Collection Fees		0.00	0.00	0.00		
6370 Training						
6371 Police Training		0.00	0.00	0.00		
Total 6370 Training		**0.00**	**0.00**	**0.00**		
6390 Uniforms, Equipment, & Supplies						
6391 Lifeguard - Uniforms, Equipment, & Supplies		0.00	0.00	0.00		
6392 Police - Uniforms, Equipment, & Supplies		0.00	0.00	0.00		
Total 6390 Uniforms, Equipment, & Supplies		**0.00**	**0.00**	**0.00**		
6400 Utilities						
6401 Electricity Expense	3,319.78	5,000.00	-1,680.22	1,680.22	66.40 %	33.60 %
6402 Oil/Propane	297.00	600.00	-303.00	303.00	49.50 %	50.50 %
6403 Hydrant Rental		0.00	0.00	0.00		
6405 Street Lights		0.00	0.00	0.00		
6406 Telephone & Internet Expenses	504.03	1,500.00	-995.97	995.97	33.60 %	66.40 %
6407 Water & Sewer	523.70	1,500.00	-976.30	976.30	34.91 %	65.09 %
Total 6400 Utilities	**4,644.51**	**8,600.00**	**-3,955.49**	**3,955.49**	**54.01 %**	**45.99 %**
6500 Water Testing	254.00	1,100.00	-846.00	846.00	23.09 %	76.91 %
6600 Lead Pipe Testing Expenses		0.00	0.00	0.00		
6700 Reserve Accrual - Loan from Sewer Interest		1,304.00	-1,304.00	1,304.00		100.00 %
6800 Bond Expenses						
6812 2009 MMBB Bond Principal		0.00	0.00	0.00		
6813 2099 MMBB Bond Interest		0.00	0.00	0.00		
6816 2013 MMBB Refinance Bond Principal		23,047.00	-23,047.00	23,047.00		100.00 %
6817 2013 MMBB Refinance Bond Interest	4,607.01	9,214.00	-4,606.99	4,606.99	50.00 %	50.00 %
6818 2015 BHBT Bond Principal		0.00	0.00	0.00		
6819 2015 BHBT Bond Interest		0.00	0.00	0.00		
6820 2021 MMBB Bond Principal		0.00	0.00	0.00		
6821 2021 MMBB Bond Interest		0.00	0.00	0.00		
Total 6800 Bond Expenses	**4,607.01**	**32,261.00**	**-27,653.99**	**27,653.99**	**14.28 %**	**85.72 %**
6900 Depreciation Expense		0.00	0.00	0.00		

NVC- WATER

Budget vs. Actuals: Budget_FY26_P&L - FY26 P&L

January - December 2026

	TOTAL					
	ACTUAL	BUDGET	OVER BUDGET	REMAINING	% OF BUDGET	% REMAINING
Unapplied Cash Bill Payment Expenditure		0.00	0.00	0.00		
Uncategorized Expense	0.00	0.00	0.00	0.00		
Total Expenditures	**$69,028.73**	**$214,585.00**	**$ -145,556.27**	**$145,556.27**	**32.17 %**	**67.83 %**
NET OPERATING REVENUE	**$ -2,465.44**	**$3,519.00**	**$ -5,984.44**	**$5,984.44**	**-70.06 %**	**170.06 %**
Other Expenditures						
7100 Contingency Expenses		3,819.00	-3,819.00	3,819.00		100.00 %
Reconciliation Discrepancies		0.00	0.00	0.00		
Total Other Expenditures	**$0.00**	**$3,819.00**	**$ -3,819.00**	**$3,819.00**	**0.00%**	**100.00 %**
NET OTHER REVENUE	**$0.00**	**$ -3,819.00**	**$3,819.00**	**$ -3,819.00**	**0.00 %**	**100.00 %**
NET REVENUE	**$ -2,465.44**	**$ -300.00**	**$ -2,165.44**	**$2,165.44**	**821.81 %**	**-721.81 %**

STATE OF MAINE
PUBLIC UTILITIES COMMISSION

Docket No. 2026-00120

July 14, 2026

NORTHPORT VILLAGE CORPORATION
(WATER DEPARTMENT)
Request for Approval of Waiver
Associated with Fire Protection Service

RECOMMENDED DECISION

Note: This Recommended Decision is written in the form of a Commission order but is a Staff recommendation. Parties may file comments or exceptions to this Recommended Decision by July 28, 2026, for consideration by the Commission in its deliberation of this matter.

I. SUMMARY

By this Order, the Commission grants, with conditions, the waiver from Chapter 69 of the Commission's Rules as requested by the Northport Village Corporation Water Department (the Water Department).

II. PROCEDURAL BACKGROUND

On April 30, 2026, the Water Department filed a request for a waiver of the Commission's fire flow requirements in Chapter 69 of the Commission's Rules.[1]

On May 1, 2026, Commission Staff provided notice of the Water Department's filing and provided an opportunity for interested persons to intervene in this proceeding. The Commission did not receive any petitions to intervene.

III. POSITION OF THE WATER DEPARTMENT

In its filing, the Water Department states that its fire protection obligations are unlike the obligations of other water utilities. Northport Village Corporation is contained

[1] There is a typographical error in the filing. The date on the filing is April 3, 2026; the Water Department, however, made the filing on April 30, 2026.

within, and is a part of, the Town of Northport. The Water Department serves approximately 600 of the Town of Northport's approximately 1550 residents. The Water Department maintains eight fire hydrants, seven of which are within Northport Village Corporation itself, with one serving only the Town of Northport.

Historically, the Town of Northport has not paid public fire protection charges to the Water Department. Instead, the Town of Northport has contributed to the general fund for Northport Village Corporation, funds which are used for general infrastructure projects for Northport Village Corporation and not exclusively for water-related projects and expenses.

The Water Department's public fire protection income comes from Northport Village Corporation and has historically fallen far short of the typical 30% of the Water Department's revenue requirement. Thus, the Water Department has long been out of compliance with Chapter 69 of the Commission's Rules. Notwithstanding the historical practice, Northport Village Corporation has budgeted $25,000 for 2026 as compared to the $6,429 that that Northport Village Corporation paid the Water Department for public fire protection in 2025. The $25,000, however, still falls short of the 30% of revenue requirement mandated by Chapter 69. Northport Village Corporation states that if it were to pay the full 30% of revenue requirement, this amount would nearly exceed the entire operating budget of the Northport Fire Department. The full 30% would also place a budgetary hardship on Northport Village Corporation.

The Water Department states that it provides limited public fire protection service (there are only eight fire hydrants on the system) and that the full 30% of revenue requirement would be excessive and disproportionate relative to its customer base. In

addition, the Water Department states that all parties are fully aware of the public fire protection situation in Northport, and that the Water Department has coordinated with the Town of Northport, Northport Village Corporation, the Northport Fire Department, and all other emergency response officials to ensure adequate fire protection.

IV. LEGAL STANDARDS

Chapter 69 of the Commission's Rules established the formula for determining for ratemaking purposes the percentage of gross revenues that water utilities should derive from public fire protection, with a minimum of 6% of revenue derived from public fire protection and a maximum cap of 30% of revenue. MPUC Rules, ch. 69. Chapter 69 provides two methods for determining that percentage. The first method, and by far the most commonly used, is the Fire Protection Allocation Curve, commonly referred to as "the curve." To use the curve, a utility uses a graph provided by the Commission with peak flow on one axis and required fire flow on the other. The point where these two factors intersect corresponds to the revenue requirement percentage. Commonly, the resulting percentage exceeds 30% of revenue requirement and utilities apply the 30% cap. MPUC Rules, ch. 69, § 2.

The second method, which is rarely used due to the complexity and expense involved, is a full allocation study that presents a detailed analysis of the utility's system, its precise infrastructure and design, its treatment facilities and capacity, and its fire protection infrastructure. A utility then presents the study to the Commission as evidence that it would be unreasonable and inequitable for the utility to determine its public fire protection revenue using the curve. MPUC Rules, ch. 69, § 3.

Chapter 69 also allows the Commission, for good cause shown, to waive the application of any provision in Chapter 69. MPUC Rules, ch. 69, § 7.

V. DISCUSSION AND DECISION

The Water Department is requesting that the Commission allow it to collect less than the 30% of revenue requirement from the Town of Northport that would be required by Chapter 69. The Water Department's request is based, in large part, on the unique circumstances in which the Water Department exists. Northport Village Corporation is a municipal entity contained entirely within another municipal entity. The Water Department was formed to serve the citizens of Northport Village Corporation, but due to the configuration of the system, the Water Department also serves one fire hydrant outside its boundaries and within the Town of Northport.

Given the unique relationship between Northport Village Corporation and the Town of Northport, the Town of Northport has historically subsidized infrastructure within Northport Village Corporation—last year in the amount of $30,000—but the Town of Northport has paid the Water Department only a small fraction of the public fire protection charge that would otherwise be required by Chapter 69. Recently, to ameliorate this situation and to pay a more proportionate share of the public fire protection costs, the Town of Northport has agreed to increase the amount it pays for public fire protection nearly four-fold to $25,000. This is in addition to the $30,000 the Town of Northport pays Northport Village Corporation to subsidize general infrastructure. While the $25,000 still falls short of Chapter 69 standards, in the Commission's view this amount is acceptable in light of the unique circumstances in this case.

Further, the Town of Northport, the Northport Village Corporation, the Water Department, the Northport Fire Department, and the applicable emergency response entities in the area are all aware of the public fire protection situation in this matter and are all working cooperatively to ensure that the citizens of both the Town of Northport and Northport Village Corporation have adequate public fire service.

Given the above, the Commission finds that Water Department has provided good cause to waive the minimum fire protection contribution in Chapter 69, and grants the Water Department's waiver as requested, with the following conditions.

While the Commission finds that the waiver is warranted at this time, the Commission also recognizes that the minimum public fire protection contributions in Chapter 69 exist for important reasons of public safety. To that end, the Commission directs the Water Department to continue to work with the Town of Northport to continue to work toward increasing the public fire protection charge to the Town of Northport. Accordingly, the Commission directs the Water Department to file an update on the progress towards this goal in every subsequent rate proceeding filed pursuant to 35-A M.R.S. §§ 307 or 6104.

VI. ORDERING PARAGRAPH

In light of the foregoing, the Commission

O R D E R S

That the waiver from Chapter 69 of the Commission's Rules as requested by the Northport Village Corporation Water Department is granted subject to the conditions contained in the body of this Order.

Dated at Hallowell, Maine this Fourteenth Day of July, 2026

Respectfully submitted,

/s/ Hailey Rizzo

Presiding Officer

With Advisory Staff:

Jason Marco
Jody McColman
Stephani Morancie
Lucretia Smith

NORTHPORT VILLAGE COROPRATION

Terms and Conditions

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The following Terms and Conditions adopted by the Northport Village Coropration and filed with the Maine
Public Utilities Commission constitutes a contract between the Customer and the Utility. The Customer agrees to adhere to these Terms and Conditions and to take water only for purposes stated in the application and at the established rates.

DEFINITIONS

Commission: Maine Public Utilities Commission.

Customer: Any person or business who has applied for Utility service, has been accepted to receive Utility service, receiving Utility service, or has agreed to be billed for Utility service. This term also includes a person or business that was a Customer of the same Utility within the past thirty (30) days and who requests service at the same or a different location.

Establishment: A location at which water service is sought or is being rendered.

Jobbing: Work that the Utility agrees to do, at the Customer's expense, which is outside the scope of regulated Utility service.

Limited Service Contract: A written agreement, approved by the Commission, under which the Utility
agrees to provide, and the Customer agrees to accept a substandard level of service described in the contract.

Main: A water pipe/line, used to distribute water within the Utility's water system. The main is owned, operated and maintained by the Utility. The main excludes the Customer's water service pipe/line.

Multi Unit Establishment: Any Establishment with more than one unit, including but not limited to condominiums, apartment buildings, mobile home parks, cottages, developments, and certain subdivisions.

Normal Business Hours: Hours between 9:00 a.m. – 3:30 p.m., Monday – Friday (excluding holidays) that the Utility is open to the public to transact business.

Other Hours: Hours that are not defined as Normal Business Hours.

Private Line: (1) A water line constructed prior to May 7, 1986 across private property to serve one or more Customers and not considered by the Utility to be a Main. (2) except as provided under Chapter 65 §2 (3), a water line constructed after May 7, 1986 across private property to serve a single Customer, a single Multi-Unit dwelling complex or a single non-residential or industrial development upon which no other person has an easement or other rights of access for water line purposes.

Seasonal Customer: A Customer that regularly takes service for only a portion of the year. A Seasonal
Customer will be subject to the rules and rates in effect.

Service Pipe or Line: A water line connecting the water Main to the premises of the Customer.

Short Term Seasonal Rental Property: Seasonal rental property for which the rental period is less than
one month.

Temporary Establishment: A premise that the Utility believes to be of a temporary nature after considering the location, setting, structures, and use. The absence of a cellar or permanent foundation shall not be the sole criterion used by the Utility in determining that a Temporary Establishment.

Total Account Balance: The total water and sewer amount owed by a Customer that has been properly
billed.

Total Amount Overdue: The total water and sewer amount billed to a Customer that has not been paid
by the due date of the bill or by a date otherwise agreed upon by the Utility and the Customer. Disputed amounts and fees and charges for estimated sewer service usage will not be included in the Total Amount Overdue.

Utility: Refers to the Northport Village Coropration.

Section 1. UTILITY SERVICE AREA

Pursuant to 1961 Maine Private and Special Law Chapter #154 approved April 24,1961, the Utility is permitted to serve the Town of Richmond and portions of the Town of Bowdoinham, as specified in said Chapter, for purposes of supplying the inhabitants with pure water for domestic, sanitary, manufacturing, and municipal purposes.

Section 2. APPLICATION FOR SERVICE

Pursuant to Commission Rules, Chapter 620 the owner, owner's agent, or the occupant of the Establishment to be served must apply for new service or a change of service using forms provided by the Utility.

A tenant may become a Customer if the tenant assumes all responsibility for future service under the conditions set forth in 35-A M.R.S.A. Sec. 706(2), and Commission Rules, Chapter 660. If Short-Term Seasonal Rental Property, only the property owner may be an applicant for service. A Seasonal Customer that regularly vacates the premises for three months or less may elect in writing to be classified as an Annual Customer, subject to rates currently in effect, notwithstanding any request for temporary suspension of service. The Utility shall determine the size of the meter based on the expected water usage at the Establishment to be served. If a new service connection or other work on the Establishment is required, the owner must authorize the Utility to enter the premises to do the necessary work.

Section 3. BILLING PROCEDURES

Minimum charges for annual metered service and annual flat rate charges shall be billed quarterly in advance. Water usage above the allotted quantity established under the minimum charge will be billed in arrears at the end of the billing quarter. The Utility reserves the right to bill monthly in advance.

Seasonal minimum meter charges will be billed after the meter is set for the season. Bills for water used in excess of the minimum amount will be billed after the final reading for the season. The Utility reserves the right to render bills quarterly or monthly for excess water used by seasonal Customers. Seasonal flat rate charges will be billed after the service is turned on for the season. No seasonal meter will be installed until past due balances are paid in full, or a payment arrangement has been established in accordance with Commission Rules, Chapter 660.
Public and Private Fire Protection charges shall be due and payable in advance, each year, on a quarterly basis. The Utility reserves the right to bill monthly. All bills shall be payable at the office of the Utility or at any designated collection station.

Section 4. CREDIT AND COLLECTION PROCEDURES

All credit and collection procedures for both residential and non-residential Customers will be based upon Commission Rules, Chapter 660, and Chapter 870. The Utility may demand a deposit from a Customer as permitted by Commission Rules, Chapter 660. Pursuant to Commission Rules, Chapter 870, the interest rate on Customer deposits shall be the rate set by the Commission. A bill is overdue when it has not been paid by the due date. The due date for payment must be no less than twenty-five (25) days after the bill is mailed, electronically mailed, or hand delivered to the Customer.

A bill is considered mailed on the date it is postmarked. If there is no postmark, the Utility shall date the bill and mail on or before the date on the bill. Late payment charges may be assessed for overdue bills that are not paid by the due date. The late payment charge for overdue bills will be no more than the maximum amount allowed pursuant to Commission Rules, Chapter 870, to be determined annually.

Section 5. TERMS OF PAYMENT

Customers are legally obligated to pay for the services they receive. Pursuant to Commission Rules, Chapter 660, if the due date for payment falls on a Saturday, Sunday, legal holiday, or any other day when the Utility's offices are not open for business the Utility shall extend the due date to the next business day.

If the Customer sends payment by mail, payment is made on the date the Utility receives the payment in accordance with Commission Rules, Chapter 660. It is the Customer's responsibility to provide correct billing addresses. Failure of the Customer to receive their bill does not relieve them of the obligation of payment for services received nor from the consequences of non-payment.

Section 6. RETURNED CHECKS CHARGE

In accordance with Commission Rules, Chapter 870, any Customer whose check is returned for nonpayment to the Utility by a financial institution will be charged the greater of $5.00 per account to which the check is to be applied or the amount the financial institution charges the Utility, not to exceed $15.00 for each check returned for non-payment. If the Customer is charged more than $5.00, the Utility will provide the Customer a copy of the financial institution's charges upon request.

Section 7. ESTABLISHMENT OF SERVICE CHARGE

The Utility will charge $25.00 to establish water service during Normal Business Hours, Monday through Friday. The charge during Other Hours is a minimum charge of $81.00. Establishment of service charges are due and payable prior to service connection.

Section 8. RESTORATION/RECONNECTION OF SERVICE CHARGE

The Utility will charge a Customer Restoration/Reconnection fee for restoration of service at the Customer's premises for any reason allowable under Commission Rules, Chapter 660 and these Terms and Conditions. The Restoration/Reconnection charge for resumption of service will be $40.00 per hour,
one (1) hour minimum, during Normal Business Hours Monday through Friday. During Other Hours, the charge for resumption of service will be $81.00 per hour, one (1) hour minimum.

Section 9. COLLECTION TRIP FEE

Pursuant with Commission Rules, Chapter 660, if Utility personnel visit the Customer's premises to disconnect service for non-payment and in lieu of actual disconnection the Customer pays or makes a payment arrangement for the entire past due balance, the Utility will charge the Customer a collection fee of $30.00.

Section 10. RETURN TRIP CHARGE

The Utility may charge a Customer a Return Trip Charge of $40.00 when the Customer fails to appear for
their scheduled appointment. Customers must cancel scheduled appointments with the Utility at least one hour in advance to avoid the charge.

Section 11. ABATEMENTS

The Utility may provide an abatement to a Customer for an out of the ordinary event under the below listed conditions. It is solely the decision of the Utility whether the following conditions have been met:

a. A leak or break occurred at the Customer's premises not resulting from Customer negligence; and,
b. The leak or break was repaired, or the water shut off while awaiting repair within a reasonable time; and,
c. The Customer requested the abatement within twenty-five (25) days of receipt of the bill in question; and,
d. The Customer has had an account at this location for at least one-year prior to the request; and,
e. No abatements within the past five (5) years have been granted to this Customer at any location within the Utility.

If all the above-specified conditions are met, the Utility may provide an abatement pending trustee approval. The abatement will not exceed half the difference between the bill in question and what the bill would have been based on the usage for the same billing period from the previous year.
The Utility will review each abatement request on an individual basis and grant or deny abatements based on available information.

Section 12. DISCONNECTION OF LEASED OR RENTED PROPERTY

Before disconnecting a leased or rented residential property, the Utility shall comply with the notice requirements set forth in Commission Rules, Chapter 660 and must offer the tenant the right to take

responsibility for future payments.

Section 12.1 Leased or Rented, Single Meter, Multi unit Residential Property

In addition to the above, before disconnecting a leased or rented single-meter, Multi-Unit residential property, the Utility shall (1) Apply any existing deposit to the current account balance, and (2) Assess, against the property owner, a collection fee of $81.00 in addition to any applicable reconnection fee set forth in Section 8 of these Terms and Conditions. At its discretion, the Utility may separately meter, or cause to be separately metered, at the property owner's expense, each dwelling unit within the property.

Section 13. DISCONNECTION PROCESS FOR OVERDUE COMBINED WATER AND SEWER BALANCES

Pursuant to Title 35-A MRSA §6111-C and Commission Rules, Chapter 660, the Utility may disconnect water service to Customers receiving sewer service for non-payment of an undisputed balance, if the Total Amount Overdue is more than $134.49 or over ninety days old, or if the Utility bills 4 times a year or less, unless the limitation in Section 13.5 is applicable.

Section 13.1 Billing

Bills for the Utility shall be issued in accordance with Commission Rules, Chapter 660 and with Section 4 of these Terms and Conditions.

Section 13.2 Disconnection and Reconnection

A fourteen (14) day disconnection notice shall be issued when a Customer does not pay or make a payment arrangement on an undisputed balance, and the Total Amount Overdue is consistent with the requirement in Commission Rules, Chapter 660.

Section 13.3 Collection Action

Subsequent collection actions, including disconnection and reconnection, shall be in accordance with Commission Rules, Chapter 660 and with these Terms and Conditions.

Section 13.4 Limitation for Multiunit Rental Facilities of Greater than Two Unit

Pursuant to 35-A MRSA §6111-C, the Utility may not disconnect water service for non-payment of sewer service to a multiunit rental facility greater than two units, unless the owner of the facility occupies a unit that would be subject to the disconnection, or unless the Utility has a Charter provision enacted prior to August 1, 2010, establishing the authority for such disconnection.

Section 13.5 Payment Allocation

Pursuant to Commission Rules, Chapter 660, when a Utility receives a partial payment, the Utility must first apply the payment to the oldest basic service balance due, no matter if water or sewer, unless instructions from the Customer, a disputed bill, or a payment arrangement requires otherwise. After all basic service balances due have been paid, unused payment amounts may be applied to non-basic service, unless otherwise stipulated.

Section 13.6 Payment Arrangement

The Utility shall continue to serve a Customer who cannot pay the Total Account Balance, provided satisfactory payment arrangements are made in accordance with Commission Rules, Chapter 660 and with these Terms and Conditions.

Section 13.7 Dispute Resolution

The Utility shall resolve disputes, if applicable, in accordance with Commission Rules, Chapter 660.

Section 13.8 Annual Filings

The Utility shall annually file a disconnection report with the Commission as specified in Title 35-A MRSA §6111-C and in Commission Rules, Chapter 660.

Section 13.9 Assistance Programs

Pursuant to Title 35-A MRSA §6111-C and to Commission Rules, Chapter 660, the Utility shall provide financial assistance information to Customers who are in imminent threat of disconnection, including but not limited to 2-1-1, the Department of Health and Human Services, the Community Action Agencies, and local Town or City Government.

Section 14. CHARGES FOR REMOVAL OF SNOW, ICE, OR OTHER OBSTACLES DURING DISCONNECTION OR RECONNECTION REQUESTED BY THE CUSTOMER

The Customer is responsible for clearing snow, ice, or any obstacles to the shut-off valve and/or meter when requesting a disconnection, including, but not limited to emergency requests resulting from a frozen meter. If the Customer does not fulfill this responsibility and the Utility must clear the area to perform the requested disconnection, the Utility will charge the Customer at the following rates.

Normal Business Hours, $40.00 per person, one (1) hour minimum, plus the cost of equipment rental, if applicable. Other Hours, $81.00 per person, one (1) hour minimum, plus the cost of equipment rental if applicable.

Section 15. SERVICE INTERRUPTION

Water service may be interrupted when necessary to repair or maintain the Utility delivery system (planned or unplanned); to eliminate an imminent threat to life, health, safety, or substantial property damage; or for reasons of local, state, or national emergency. The Utility will provide notice of any planned shut-off to affected Customers at least twenty-four hours in advance of the interruption of service. The Utility will give notice of any unplanned shut-off when practicable. Commission Rules, Chapter 660 provides detail about reasonable notice to affected Customers.

Section 16. LOW PRESSURE AREAS AND LIMITED SERVICE CONTRACTS

Distribution system low water pressure is twenty-five (25) pounds per square inch (PSI). Low pressure areas have substantially uniform system pressure at the connection of the water service to the Main where pressure may be expected to fall below 20 PSI under normal conditions.

The Utility will not extend Mains or render service to new Customers in low pressure areas unless a

Limited-Service Contract is executed between the Customer and the Utility. Limited-Service Contracts must be approved by the Commission prior to rendering service.
If a Customer believes the distribution system pressure is more than an apparatus can endure, it shall be the responsibility of the Customer to install a suitable pressure reducing device.

Section 17. UNAUTHORIZED USE OF WATER

No Customer shall supply water to another nor use it for any purposes not mentioned in their application without prior Utility approval. No Customer or their agent shall obtain water from any hydrant or other fixture of the Utility without prior Utility approval.

No Customer or their agent shall bypass any meter, restore service without Utility authorization, unreasonably interfere with Utility service, or otherwise take action to prevent the proper metering of water consumed by the Customer. In the event of the discovery of such unauthorized use of water, the Customer shall be immediately disconnected, pursuant to Commission Rules, Chapter 660. The Utility shall be entitled to bill and recover the cost of the unauthorized water usage from the Customer or responsible person, based on the Utility's approved rates, plus interest at an annual rate of 5%. Where the unauthorized use of water has occurred, the Utility may also assess the Customer or responsible person a fee of $40.00 per hour, one hour minimum, with a maximum fee of $100 for each service visit to the Customer's premises necessary to investigate and address the unauthorized use of water, including removing the meter bypass, taking measures to prevent further diversion of water, and verifying that corrective measures have been taken and maintained. For service visits that occur during Other Hours, the fee will be $81.00 per hour, one (1) hour minimum.

Pursuant to Title 35-A MRSA §2706 as amended or replaced, the Customer or person responsible for the unauthorized use may be liable in a civil action to the Utility for all other reasonable costs to the Utility, including attorney's fees, costs of undertaking and completing the investigation resulting in the determination of liability, and for a civil penalty not to exceed twenty-five hundred dollars ($2,500.00), due and payable to the Utility for each violation.

Section 18. TAMPERING WITH UTILITY PROPERTY

No person may tamper with Utility property. No valve, valve sealing mechanism, meter, shut-off, hydrant or standpipe, which is the property of the Utility, shall be opened or closed or otherwise operated by persons other than authorized by the Utility. Tampering will subject a Customer or other responsible person to the same charges and actions outlined in these Terms and Conditions §17, *Unauthorized Use of Water*. In addition, in case of tampering, the responsible party may be subject to a civil action, pursuant to Title 35-A MRSA §2707, as amended or replaced.

Section 19. MAINTENANCE OF PLUMBING

Pursuant to Commission Rules, Chapter 620, to prevent leaks and damages, a Customer must maintain, at their own expense, the plumbing and fixtures within their own premises in good repair and protect them from freezing and heat damage. If damage does occur, the Customer is liable for any expenses incurred. A leak or break considered a danger to the water system will be cause for immediate disconnection of the Customer. When a leak is discovered that is not considered an imminent threat to the system but may be a long-term or cumulative danger, the Customer will be notified in writing by the Utility and will be given a reasonable amount of time to repair the leak. If the repair is not completed by that time, the Customer will be subject to disconnection, pursuant to Commission Rules, Chapter 660.

Section 20. ACCESS TO PREMISES

Pursuant to Commission Rules, Chapter 620, as a condition of service, employees of the Utility by providing proper identification to either the Customer or owner, shall have reasonable access at all reasonable hours to all premises served by the Utility to permit the inspection of plumbing and fixtures, to set, remove or read meters, to ascertain the amount of water used and manner of use, and to enforce these Terms and Conditions.

Section 21. LIABILITY

The Utility will only be liable for any damages arising from claims to the extent liability is provided in the Maine Tort Claims Act, as set forth in Title 14, MRSA §741. The Utility will not be responsible for damages caused by discolored water and makes no representations or warranties, expressed or implied, about the suitability of any water provided by the Utility for any particular purpose.

Section 22. CROSS CONNECTIONS

Pursuant to Commission Rules, Chapter 620, as a condition of service, no cross connection between the public water supply system and any other supply will be allowed unless properly protected, based upon the Maine State Department of Health and Human Services and the Maine Internal Plumbing Code. No new cross connection may be installed without the express, written approval of the Utility. In addition, no connection will be permitted capable of causing back-flow, including back-siphonage or back-pressure, between the public water supply system and any plumbing fixture, device or appliance, or between any waste outlet and a pipe having direct connection to waste drains. If the owner of such a connection fails, or refuses to break, or properly protect the connection within a time limit specified by the Utility, the Utility may disconnect the service according to Commission Rules, Chapter 660. The Utility's Cross Connection Control Program is on file at the Utility office and Maine State Department of Health and Human Services.

Section 23. BACK FLOW PREVENTION DEVICE TESTING

Customers with testable back-flow devices are responsible for completing device testing according to the Utility schedule, available in the Utility office. The Customer must select a certified professional to comply with this requirement and pay the charges for the testing, and for any necessary repairs directly to the contractor. Upon completion, the Customer must send the Utility a copy of each signed certified test. If a Customer does not comply with the testing requirement or does not make repairs necessary to maintain full functionality of the device, the water service will be disconnected as a dangerous condition, pursuant to the Utility's Cross Connection Control Program and Commission Rules, Chapter 660.

Section 24. STOP VALVE

Pursuant to Commission Rules, Chapter 620, as a condition of service every service must be provided with a minimum of one operable stop valve located inside the building near the service entrance, easily accessible, and protected from freezing. The Utility may require a second valve located after the meter. All plumbing must be installed to comply with applicable plumbing codes to prevent back-siphonage and to permit draining whenever necessary.

Section 25. FLUCTUATION OF PRESSURES BY CUSTOMER'S APPARATUS

Pursuant to Commission Rules, Chapter 620, as a condition of service, a Customer may not install or use any device which will affect the Utility's pressure or water quality without prior written permission by the Utility.

If permission is granted, the Utility may require the Customer to confine or reduce such fluctuations to limits determined by the Utility. Failure to comply may result in termination of service in accordance with Commission Rules, Chapter 660.

Section 26. SAFEGUARDING DIRECT PRESSURE WATER DEVICES AND SYSTEMS SUPPLIED BY AUTOMATIC FEED VALVES

Pursuant to Commission Rules, Chapter 620, as a condition of service, Customers must install vacuum, temperature and pressure relief valves or cutouts to prevent damage to a direct pressure water device or system supplied by an automatic feed valve. The Utility is not liable for any damage resulting from the lack of or failure of these devices.

Section 27. JOINT USE OF SERVICE PIPE TRENCH

Pursuant to Commission Rules, Chapter 620, the Utility shall not place water pipes in the same trench with other utilities facilities. The Utility shall provide a horizontal separation of ten (10) feet between water Mains and Service Pipe and facilities of other utilities. Where extenuating, unusual, or special circumstances are encountered, a lesser separation or joint use of trench may be allowed if all parties agree, provided that the installation complies with all applicable laws, rules and regulations.

Section 28. CONSERVATION

All Customers shall minimize the waste of water. Pursuant to Commission Rules, Chapter 620, when necessary to conserve the water supply or in the event of an emergency, the Utility may restrict or prohibit the use of hoses, lawn sprinklers, and non-agricultural irrigation systems. Under these conditions, the Utility will decide what constitutes waste and improper usage to protect the health and safety of the water system. Water will not be supplied on flat rates for any continuous flow device. The Utility will decide what constitutes waste or improper use and will restrict usage when necessary.

Section 29. METERING, NEW SERVICE LINE, AND MAIN EXTENSIONS

The Customer may receive water through a meter upon application to the Utility. In accordance with Commission Rules, Chapter 620 and Chapter 65, meter size is to be determined by the Utility. All water sold by the Utility shall be based on meter measurements or as otherwise provided for in its rate schedules.

Section 29.1 Metering

No Customer shall supply water to another, nor use it for purposes not mentioned in their application without prior written approval of the Utility. At its discretion, the Utility reserves the right to require separate piping, meter and shut-off valves for each building as a condition of service, except as provided in Commission Rules, Chapter 660 and Chapter 65. Where there is more than one abode or business in a building supplied with water, the Utility may require the owner to arrange the plumbing to permit

separate piping, separate shut-off valves and separate meters in locations acceptable to the Utility, foreach place of business or abode. All Utility Customers are required to have water meters which will be installed, maintained, and read by the Utility. The cost of the meter, appurtenances, and installation shall be borne by the Customer, unless otherwise agreed upon, before service is rendered.

The Customer must provide a warm, dry, and accessible location for the meter. All meter installations shall be in accordance with the Utility's requirements, standards, and specifications. The Utility, at its discretion, may require Customers to relocate existing meters, piping, shut-off valves, and appurtenances, at the property owner's expense, as a condition of service, and in accordance with the Utility's standards and specifications.

29.1.a Meter Location. Single Family Residential

Meters may not be located above the first or ground floor level under any circumstances. No water meters may be installed in a crawl space under a residence. The water meter shall be located in the basement or mechanical/utility room if one is available.

The water meter shall be placed where the Service Line comes through the basement wall or basement floor. Where no basement is available, the meter shall be placed where the Service Line comes through the floor of the mechanical/utility room.

All water meters installed in buildings shall be within forty-eight (48) inches from where the water service first penetrates the floor or wall of the structure. The water meter shall be set at a height not less than twenty-four (24) inches and not more than forty-eight (48) inches above the floor surface. Once installed, the location of the Meters may be changed in location at the request of the Customer, at the Customer's expense. Only an agent of the Utility may approve the meter relocation.

A rear building served by a water line through the front building, in accordance with these Terms and Conditions by date approved and effective, may continue in this manner if both are on the same lot and under the same ownership regardless of any major repairs to the Service Line to the front building. The main water service shall not be branched. If the rear building is sold, replaced, or the property is divided, a new direct Service Line with separate meter(s) shall be installed in accordance with these Terms and Conditions.

29.1.b. Apartments, Duplexes, Condominiums and Non Residential Buildings

The owner shall bear the cost of meters and installation. The installation of the individual meters shall be installed in a common location, with keyed access from the exterior of the building and shall be installed in accordance with the Utility's requirements. If meters cannot be installed in a common location with access from the exterior of the building, then individual Service Lines with curb stop valves must be installed into the building. The water meter shall be placed where the water Service Line comes through the basement wall or basement floor. Where no basement is provided, the meter shall be placed where the Service Line comes through the floor of the mechanical/utility room. All water meters installed within buildings shall be within forty-eight (48) inches from where the water service first penetrates the floor or wall of the structure. The water meter shall be set at a height not less than twenty-four (24) inches and not more than forty-eight (48) inches above the floor surface. Meters shall be located in a clean, dry, warm and easily accessible location. Meters may not be located above the first or

ground floor level under any circumstances. No water meters may be installed in a crawl space under any building.

Meters, once set, may be changed in location at the request of the Customer, at the Customer's expense. Only an agent of the Utility may approve the meter relocation.

29.1.c. Mobile Homes

Pursuant to these Terms and Conditions by date approved and effective, water meters for new or replacement mobile homes placed on concrete, paved, or gravel slabs shall be located inside the home in a warm, dry, and accessible location. The meter may not be installed under the home. Mobile homes placed on full basement foundations are considered Single Family Residential in accordance with these Terms and Conditions §29.

The safety of Utility employees is paramount. If a water meter is located under the mobile home, the Utility requires the Customer to provide safe access to the meter for service work by removing the skirting, all insulation, and heat tape where the meter is located prior to the arrival of Utility personnel. The Customer will be responsible for reinstalling the insulation, heat tape, and skirting once the service is complete. Failure of the Customer to provide safe access to the water meter as described above will result in disconnection pursuant to Commission Rules, Chapter 660.

29.1.d. Mobile Home Parks

Mobile home parks whose water distribution system is not owned and maintained by the Utility shall be metered at the point of entry of the Service Line onto the property, with a single master-meter. The master-meter shall be placed inside a structure meeting the Utility's effective specifications. The meter structure (pit or above ground building) shall be owned, installed, and maintained by the Customer in good repair at the Customer's expense.

29.1.e. Multi Unit, Time Share Development Units

All meters within the same time-share development complex shall be classified as Short-Term seasonal Rental Property and billed to the owner, association, corporation or other responsible entity.

29.1.f. Campgrounds and RV Parks

The Utility reserves the right to approve, at the owner(s) request, the master-metering of Multi-Unit or multi-site campgrounds and RV Parks that are principally used by transient guests. Campgrounds and RV Parks that subsequently convert individual sites or units to non-transient use shall be required to individually meter each site or unit.

Section 29.2 Submetering

Additional or auxiliary meters for showing subdivision of water use must be furnished, installed, read and maintained at the Customer's own expense.

Section 29.3 Charges for Repair or Replacement of Damaged Water Meters and Other Utility Equipment

Pursuant to Commission Rules, Chapter 620, the Utility may charge a Customer for the costs incurred for the repair or replacement of meter(s) or other Utility equipment damaged due to negligence or

improper care by Customers. The Customer will be charged a rate of $40.00 per person, per hour during Normal Business Hours, Monday through Friday, and $81.00 per person, per hour for Other Hours for the cost of removing or replacing a damaged meter, plus a repair fee based upon the size of the meter and damaged caused to the meter.

In all cases the Customer will be charged for the cost of the necessary replacement parts, including the meter. As specified in these Terms and Conditions §14 *Charges for Removal of Snow, Ice, or Other Obstacles During Disconnections Requested by the Customer*, if snow, ice, or other obstacles must be removed to complete the requested repair, total hours and equipment fees for the removal service
will be added to the total charge for this section.

Section 29.4 Meter Testing

The Utility will test its water meters according to Commission Rules, Chapter 620. Upon Customer request, the Utility will test the Customer's water meter in the presence of the Customer or representative, at no charge unless the Customer requests more than one (1) test in eighteen (18) months.

If the Customer requests a test more frequently, the Utility may require the Customer to pay a deposit to cover the cost of the test. If a meter tested at the Customer's request does not conform to standards, the Customer's deposit will be refunded, and the Utility will adjust the Customer's bill according to the provisions of Commission Rules, Chapter 620. If the meter conforms to standards, the Utility may keep the Customer's deposit and continue to use the meter at the Customer's premises.

Section 29.5 Meter Pits and Vaults

The Utility discourages the use of meter pits or vaults due to accessibility and safety issues. The use of meter pits or vaults will be considered on a case-by-case basis and requires prior written Utility approval in accordance with Commission Rules, Chapter 620.
Meter pits or vaults must be installed and operated in accordance with the Utility's current specifications. The ownership, installation, and maintenance of all meter pits and vaults shall be, and remain, the responsibility of the Customer.

The meter pit or vault must be located on the Customer's property as close to the property line as possible. The meter pit or vault must always be installed in such a manner to keep the pit or vault clean and dry.

All piping and valves within the meter pit or vault must be installed in accordance with the Utility's specifications. As specified in these Terms and Conditions §29.7, *Service Lines and Meters*, the Utility reserves the right to inspect the materials and installation and must be notified before they are buried, and/or enclosed.

Section 29.6 Plan Reviews

In accordance with Commission Rules, Chapter 65, if it is necessary for the Utility to provide detailed engineering design/review for sub-divisions and/or non-residential entities, the Customer shall pay the estimated cost of the design/review prior to the commencement of the design/review.

Section 29.7 Service Lines and Meters

The Customer must complete a written application for a new service, and the Utility reserves the right to pre-approve the design. All new Service Lines shall be installed at the Customer's expense, in accordance with the Utility's standards and material specifications, and as permitted in Title 35-A MRSA §6106.

The Customer may choose to contract with the Utility to install the Service Line from the Main to the curb-stop, or contract with a Utility approved private contractor to complete the installation. The Utility shall own and maintain the Service Line portion of all Service Pipes that extend from the Main to the curb stop (shut off valve). The curb stop shall normally be located at the limit of the public way or the Utility's right-of-way. The Utility will be responsible for all Service Lines within the limits of the highway or right-of-way. If a public way must be crossed, such crossing shall be installed in accordance with the Utility's standards and material specifications and be installed by the Utility. With prior approval, the Utility may allow the Customer to hire a Utility approved contractor for the entire installation, and all costs shall be borne by the Customer.

As permitted in Title 35-A MRSA §6106, and Commission Rules, Chapter 620, the Customer shall install at the Customer's expense, and shall own and maintain the Service Pipe(s) from the curb stop to the Customer's premises. The costs incurred by the Customer shall include equipment rental, labor, materials, and necessary appurtenances for installation, including the meter. The Utility shall require individual Service Pipe(s) for individual properties, lots, or land parcels regardless of ownership of the properties, lots, or land parcels and that the Service Pipe(s) is installed in accordance with the Utility's standards and material specifications.

The Customer will be responsible for obtaining Utility approval for the work. In addition, the Customer will contract with a Utility approved professional for the excavation and installation from the curb stop into the building and for the piping across the roadway, if necessary. The Customer will pay all contractor charges.

The Service Pipe(s) location will be set, or reviewed, by the Utility prior to excavation and must be installed to applicable plumbing codes and to the Utility's standards and material specifications, which are available at the Utility business office. The Utility reserves the right to inspect the materials and installation and must be notified before they are buried and enclosed. If a site visit has been scheduled, and the Utility must later return to the premises due to inadequate preparation by the Customer or contractor, or lack of adherence to the Utility's specifications, the Customer will be responsible for the cost of the additional visit(s).

The Utility will be responsible for the installation of the meter and other related appurtenances during Normal Business Hours. At its discretion, the Utility may sub-contract any part of this work. The costs to the Customer for all Utility installed and sub-contracted portions of the installation are as follows. The Utility will charge $40.00 per hour, one (1) hour minimum, for all work performed by the Utility and for the inspection and approval of contracted work during Normal Business Hours. The charge for Other Hours will be $81.00 per hour, one (1) hour minimum. The cost of necessary labor, materials, and equipment rental, if applicable, including the cost of the meter.

A written estimate will be provided to the Customer for the Utility's portion of the work, and a deposit equal to the estimate will be collected to be applied to the cost of the installation, prior to the Utility performing the work. Upon completion, final reconciliation of the job costs will be provided, and if

applicable, the Utility will return any excess deposit at that time. If the actual cost exceeds the deposit as a condition of service, the Customer must pay the additional amount as per the written agreement between the Utility and the Customer.

Section 29.8 Remote Reading Registers

The Customer shall pay for the remote register and installation. Pursuant to Commission Rules, Chapter 620, the equipment shall be owned and maintained by the Utility.

Section 29.9 Extensions of Mains

All water Main extensions shall be installed in accordance with the Utility's standards and material specifications. Requests for water Main extensions shall be installed in accordance with the Utility's standards and material specifications. Requests for water Main extensions shall be treated in accordance with Commission Rules, Chapter 65. Upon request of a potential Customer or Customers for a Main extension, the Utility shall prepare, without charge, a preliminary sketch, general specifications, such as size, type of pipe and estimate of the cost of the proposed water Main extension, and separate estimates of the Cost of Service Pipe(s) to serve the Customers requesting the Main extension.

Section 30. ALTERATIONS IN FIXTURES

No Customer supplied with water on flat rates may install any additional fixtures or alter any previously installed fixtures without first giving written notice to the Utility.

Section 31. WINTER CONSTRUCTION

No new service or extension of Mains will be installed for the convenience of a Customer during winter conditions, which increases the cost of the work for the Utility unless the Customer assumes all extra expense over ordinary construction costs.

Section 32. TEMPORARY SERVICE

In accordance with Commission Rules, Chapter 620, when impractical for the Utility to provide water service directly to a Customer, water service may temporarily be served from an adjacent property receiving service. Both the Utility and owner of the adjacent property receiving service must authorize the use of temporary service. The Customer requesting water service will be responsible for all expenses associated with providing temporary service to the premises. The Utility shall have no obligation to make an investment to serve a temporary Establishment. If however, service is installed at the Customer's expense and water service is taken for the following five (5) consecutive years after the initial provision of service, or if the factors causing the Utility to believe that the Establishment was temporary are removed, the Establishment shall be considered permanent and the Utility shall refund to the Customer any expenses borne by the Customer which would otherwise have been borne by the utility with interest compounded annually.

Section 33. UTILITY JOBBING

In accordance with Commission Rules, Chapter 620, Jobbing is the provision of unregulated Utility services, such as construction services. A Customer must complete a written application before a Utility will provide unregulated Utility service. If the Utility agrees to do work outside the scope of regulated Utility service for a Customer at the Customer's expense, the Customer must pay a deposit equal to the Utility's written estimate. Unless the work is done on a flat rate basis, the Utility will return any excess

deposit upon completion. If the final cost exceeds the deposit, the Customer must pay the additional amount upon completion. Jobbing rates are established annually by the Utility and are available upon request.

Section 34. PRIVATE FIRE PROTECTION

A Customer requesting Private Fire Protection must contract the Utility to determine the availability of fire service at their location. Fire service, if available, will be installed at the Customer's expense. Any special fire Service Line within the bounds of the public way or right of way will be owned and maintained by the Utility and will be considered a Main for purposes of these Terms and Conditions.

Private Fire Protection Service Lines shall be considered Service Pipe(s) for the purposes of these Terms and Conditions and shall not be used for domestic water use. Rates for distinct types or sizes of private fire protection are available in the Utility's Rate Schedule. The Utility does not guarantee any quantity of water or pressure available through a fire protection service. The owner of the service shall determine, from time to time, the adequacy of supply through the fire service by conducting tests of his private system. Any Customer choosing to test/flush Service Pipe(s) or apparatus must give the Utility at least two (2) business days' notice. The Customer must first receive the written permission of the Utility. The Customer must also compensate the Utility for both the actual costs of any public notice of the test/flush, determined by the Utility to be reasonable and necessary, and also the cost of any flushing of the system determined by the Utility to be reasonable or necessary to correct any discoloration of water caused by the Customer's test/flushing.

Section 35. FIRE HYDRANTS

Fire hydrants, both public and private, may not be used for any purpose other than to extinguish fires unless prior permission is given by the Utility. In the case of training exercises, notification shall be made to the Utility, prior to and immediately after completion. In the event of fire extinguishment, the fire department will notify the Utility of hydrant use within a reasonable time of declaring the fire under control to allow for proper maintenance. The Utility reserves the right to meter any fire line where it has reason to believe water is being taken or purposes other than fire protection.

	Northport Village Corporation		**Percentage Calculation Worksheet**			
Term	Term Description	Prior Year Occurrences	Effective Rate	Proposed Rate	Variance	Proposed Revenue
6	Charges for Returned Checks	1	5	$15.00	$10.00	$15.00
7	Charges for Establishment of Service					
	No Onsite Required	0	10	$0.00	(10.00)	$0.00
	Onsite During Normal Business Hours	47	25	$40.00	$15.00	$1,880.00
	Onsite During Other Hours	1	50	$81.00	$31.00	$81.00
8	Charges for Restoration/ Reconnection of Service					
	Normal Business Hours	7	25	$40.00	$15.00	$280.00
	Other Hours	1	50	$81.00	$31.00	$81.00
9	Collection Trip Charge	1	25	$30.00	$5.00	$30.00
10	Return Trip Charge			$40.00	$40.00	$40.00
12	Disconnection Leased or Rented Property	1	100	$81.00	(19.00)	$81.00
14	Charges for Removal of Snow, Ice or Other Obstacles					
	Normal Business Hours	1	25	$40.00	$15.00	$40.00
	Other Hours	1	50	$81.00	$31.00	$81.00
17	Unauthorized Use of Water					
	Normal Business Hours	1	25	$40.00	$15.00	$40.00
	Other Hours	1	50	$81.00	$31.00	$81.00
29.3	Charges for Repairs or Replacement of Damaged Meters and Other Utility Equipment					
	Normal Business Hours	1	25	$40.00	$15.00	$40.00
	Other Hours	1	50	$81.00	$31.00	$81.00
29.4	Meter Testing	1	0	$0.00	$0.00	$0.00
29.7	Service Lines and Meters					
	Normal Business Hours	1	25	$40.00	$15.00	$40.00
	Other Hours	1	50	$81.00	$31.00	$81.00

Proposed Annual Revenue Increase	$ 2,972.00
Annual Operation Revenue Year Ending 2021	$ 288,349.00
Percentage of Proposed Revenue Increase	**0.01%**

Fiscal Sustainability Plan DRAFT

For the Northport Village Corporation
Wastewater System

Dirigo Engineering
2 Dirigo Drive
Fairfield, ME 04937
207-453-2401

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List of Abbreviations

AC – Asbestos Cement Pipe
AIS – Asset Impact Score
ASL - Anticipated Service Life
ATS – Automatic Transfer Switch
BOD – Biochemical Oxygen Demand
CDBG – Community Development Block Grant
CF-Cubic Feet
CIP - Capital Improvements Plan
DEP - Department of Environmental Protection
DI – Ductile Iron Pipe
EPA - Environmental Protection Agency
GPD - Gallons per Day
GPM - Gallons per Minute
FCC – Federal Communications Commission
FOG – Fat, Oil, Grease
FSE – Food Service Establishment
FSP – Fiscal Sustainability Plan
GIS – Geographic Information System
HVAC – Heating, Ventilation and Air Conditioning
I&I – Infiltration and Inflow
mg/l – milligrams per liter
MG – Million Gallons
MGD - Million Gallons per Day
MGY -Million Gallons per Year
ng/l – nanograms per liter
OIT – Operator Interface Terminal
O&M – Operations and Maintenance
PFS - Probability of Failure Score
PIS - Pipe Impact Score
PLC – Programmable Logic Controller
PS – Pump station
PVC - Polyvinyl Chloride
RCP – Reinforced Concrete Pipe
RD - Rural Development
RFS -Risk of Failure Score
RPM – Revolutions Per Minute
RUL - Remaining Useful Life
SCADA – Supervisory Control & Data Acquisition
CWSRF – Clean Water State Revolving Loan Fund
TDH - Total Dynamic Head
VC/VCT – Vitrified Clay Tile Pipe
VFD- Variable Frequency Drive
WW – Wastewater
WWTP – Wastewater Treatment Plant

Maine CWSRF Fiscal Sustainability Plan (FSP) Certification

Loan Recipient: **Northport Village Corporation** CWSRF Loan Number: **C230330-01**

Project Name: **FSP/CAP Project**

The passage of the *Water Resources Reform and Development Act (WRRDA) of 2014* makes significant changes to Titles I, II, V, and VI of the *Federal Water Pollution Control Act*, as amended. Effective October 1, 2014, all loan recipients proposing to repair, replace, or expand their treatment works are required to develop and implement a Fiscal Sustainability Plan (FSP).

As stated in section 603(d)(1)(E) of the *Federal Water Pollution Control Act*, as amended:

"(E) for a treatment works proposed for repair, replacement, or expansion, and eligible for assistance under subsection (c)(1), the recipient of a loan shall –

(i) develop and implement a fiscal sustainability plan that includes –

(I) an inventory of critical assets that are part of the treatment works;

(II) an evaluation of the conditions and performance of inventoried assets or asset groupings;

(III) a certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and

(IV) a plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities; or

(ii) certify that the recipient has developed and implemented a plan that meets requirements under clause (i);"

I XXXXXXXXXXXXXXX, of the **Northport Village Corporation** hereby certify that to the best of my knowledge that the Fiscal Sustainability Plan has been developed consistent with the criteria contained in the *Maine CWSRF Requirements and Guidance for a Fiscal Sustainability Plan* and has been fully implemented for the agreed upon asset planning area as described in the FSP Agreement.

_____ _____

(Signature) (Date)

Maine CWSRF
Water and Energy Conservation Certification

Loan Recipient: **Northport Village Corporation** CWSRF Loan Number: **C230330-01**

Project Name: **FSP/CAP Project**

The passage of the *Water Resources Reform and Development Act* (WRRDA) of 2014 makes significant changes to Titles I, II, V, and VI of the *Federal Water Pollution Control Act*, as amended. Effective October 1, 2014, all loan recipients proposing to repair, replace, or expand their treatment works are required to develop and implement a Fiscal Sustainability Plan (FSP).

As stated in section 603(d)(1)(E)(i)(III) of the *Federal Water Pollution Control Act*, as amended, as part of the FSP, the recipient of a Clean Water State Revolving Fund loan is required to certify that water and energy conservation efforts have been evaluated and will be implemented.

> *"(III) a certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan;…"*

I **XXXXXXXXXXX,** of the **Northport Village Corporation** hereby certify to the Maine Department of Environmental Protection that we have evaluated and will be implementing water and energy conservation efforts as part of the Fiscal Sustainability Plan.

_____ _____

(Signature) (Date)

DIRIGO ENGINEERING
2 Dirigo Drive, Fairfield, Maine 04937 (207) 453-2401

July 14, 2026
#25031

Mr. Chuck Applebee
Northport Village Corporation
Northport, Maine 04849

RE: DRAFT Fiscal Sustainability Plan – Wastewater System

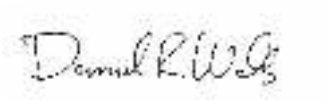
Dear Chuck:

This report includes a Draft Fiscal Sustainability Plan (FSP) for the Northport Village Corporation's sanitary sewer system. The FSP includes an inventory of assets, a conditional assessment, estimated service life, estimated replacement costs, and a criticality rating for the sewer system. The FSP also provides a 20-year plan for capital improvements and financial planning.

This plan satisfies the Maine Department of Environmental Protection funding requirements for a Fiscal Sustainability Plan. This FSP includes the treatment plant, collection system, pumping stations, and backup power needs.

Please review this report and provide us with your comments.

Sincerely,
Dirigo Engineering



Daniel R. Wells, P.E.
Project Manager

cc: Robert W. Hartley, Maine DEP

1.0 INTRODUCTION

This Fiscal Sustainability Plan (FSP) has been prepared for the Northport Village Corporation's (NVC) wastewater system. The purpose of this document is to provide NVC with a comprehensive fiscal plan for the long-term management of the assets associated with the sewer treatment plant, pumping stations, gravity sewers, and force mains. The FSP report includes:

- Inventory of Critical and Non-Critical Assets
- Inventory of Sewer Mains & Manholes
- Evaluation and Prioritization of Assets
- A Discussion of Water & Energy Conservation
- A Capital Improvements Plan

This FSP provides a fiscal plan for the maintenance, repair, and replacement of wastewater facilities, equipment, sewer mains, etc. over a 20-year planning period. The FSP should be considered a dynamic document and should be updated often to reflect current conditions of the system and document the improvements that have been made. Dirigo has made every attempt to gather data both onsite and through records research. Installation dates and inability to access certain manholes have hindered accuracy. This document is meant to be updated as new information is obtained, Dirigo recommends updating often.

2.0 EXECUTIVE SUMMARY

NVC owns and maintains a wastewater collection and treatment system that dates back to the late 1800's, evolving from a privy system to collection and treatment. Over the years NVC has made significant improvements and additions to the system. However, wastewater systems require continuous monitoring, maintenance and capital improvements to maintain functionality and reliability and to ensure continued compliance. Below is a summary of the most critical findings of this study.

Treatment System.
The treatment system is in good condition. Updates have been made periodically to the system. No near-term upgrades are required; however, maintenance will be required for the chemical feed systems and the composite sampler during the planning period. These items will fail and will require replacement. Keeping the driveway in good order will make maintenance quicker and easier for the operator. Replacing these items prior to failure is critical to allowing the system to continue operations. Continued concrete repairs to the Treatment Trains and manholes will be critical into the future, Dirigo recommends NVC set an annual schedule for assessment of the tanks and appurtenances.

Shore Road Pump Station
This pump station is critical to the area it serves. Upgrading pumps periodically and checking the piping and concrete structure will be critical to continued operation. Dirigo recommends that an upgrade should be made to the pumps and associated wet well equipment as soon as possible. The generator is original and should be upgraded due to age and possible issues with obtaining repair parts.

Collection System

The collection system was evaluated based on available information. Dirigo recommends that the inaccessible manholes be evaluated in the future. Once the operator gets the structures open it can then be evaluated and added to the list. The current collection system has been upgraded in many areas; however, the remaining VC pipe should be targeted for replacement or lining to reduce the I/I and potential for blockages. There were sags noted in the areas inspected but not to the point of causing an immediate need or replacement just annual maintenance. The manholes will need continued annual repairs such as raising and repairing covers so they are accessible for maintenance purposes. The right of ways needs to be kept clear by bushhogging twice a year after all the trees and limbs are cut back

Buildings

The Chlorination building; is fairly new and in good condition but will require regular maintenance and a new roof in 30 years. The Shore Road Pump Station, which was built in 1990, and appears to be in good condition. Items to be aware of are the roof, siding and electrical service. Dirigo had no information on possible updates to the building. If the roof is original, it should be replaced. The electrical should be upgraded when the pump station is upgraded.

Backup Power Systems

There are two generators within the system, one at the Treatment Plant and the other at the Shore Road Pump Station. The Treatment Plant generator was upgraded in 2020 and with regular maintenance should last beyond the scope of this iteration of the FSP. The Shore Road Pump Station generator was installed in 1988 and should be upgraded to a new generator as soon as practical.

3.0 GENERAL SYSTEM INFORMATION

3.1 History & General Information

Northport Village Corporation was established in 1915 by law of the Maine Legislature. The modern wastewater system was initially constructed in 1986 and currently serves 242 residential and governmental customers (as of 2021). The majority of those customers are seasonal. NVC is licensed to discharge up to a monthly average flow of 63,000 gallons and treats, on average, approximately XXX million gallons annually, which equates to XXXX MGD.

NVC's wastewater system began with the installation of sewer lines that discharged directly to Penobscot Bay in the late 1800's. Treatment of wastewater prior to ocean discharge was mandated by the Federal Clean Water Act of 1975 and in 1986 wastewater treatment was constructed. The current treatment system consists of a flow distribution manhole at the end of the collection system which distributes wastewater flow to three septic tank trains each with 4 tanks. Each train has a 31,000-gallon capacity, with a total system capacity of 93,000 gallons. From the tank trains, effluent flows through a metering & chlorination manhole into an 8,000-gallon chlorine contact tank. Effluent then flows through a de-chlorination manhole, into an outfall manhole, and to the ocean through a 12" SDR7 HDPE outfall pipe. The collection system includes manholes and gravity sewers collecting wastewater from the Broadway/Auditorium Park area in the northeast to Kelly Cove in the southwest. Collection includes 12 pump stations

but only one (1) is owned, operated, and maintained by the NVC. The other 11 are privately owned, operated and maintained.

The Outfall was replaced in 2011. Leaks in the Treatment train septic tanks were repaired in 2011. A new flat top was installed on the distribution manhole, new telemetry, new dechlorination conduit were installed in 2012 A new dechlorination system was installed in 2019. The Chlorination system and building were replaced/upgraded in 2020.

3.2 General System Description

The system is comprised of the following facilities:

- Wastewater Treatment
  - Primary treatment: The NVC has 3 parallel trains of four (4) Septic tanks that provide primary treatment.
  - Chemical disinfection: Injecting sodium hypochlorite into the metering manhole prior to flow through the chlorine contact chamber and de-chlorination prior to discharge.
  - Discharge: Outfall to Penobscot Bay through a 12" SDR7 HDPE pipe approximately 600 feet from shore at an approximate depth of 41' below mean tide.
- Pumping Stations & Force Mains
  - Primary Pumping Station: Located on Shore Road, this station collects all wastewater from Kelly Cove to just southeast of Cobe Road and pumps the wastewater via a 4" Ductile Iron force main to the gravity system northwest of Cobe Road.
  - Private Pumping Stations: The system includes 11 residential pumping stations that are privately owned. Nine (9) of the stations are along Shore Road. The three (3) other private stations serve single homes on George Street, Broadway, & Bluff Road.
- Sewer Manholes & Mains (based on GIS Information)
  - 3.08 miles of gravity sewers
    - 974 feet of VC
    - 150 feet of AC
    - 13,823 feet of PVC
    - 1328 feet of HDPE
  - 68 manholes
    - 37 manholes are precast
    - 31 manholes are unknown due to being inaccessible

The NVC system map is included in Appendix 6.

3.3 Discharge License

NVC has a Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0100901 and a Maine Wastewater Discharge License (WDL) #W002575-6B-E-R last issued March 13, 2019. The current permit/license is in the Appendix. A summary of effluent limitations and routine monitoring requirements are found in Table 1.

Table 1 – Effluent Limitations & Monitoring Requirements

Effluent Characteristic	***Discharge Limitations***				***Monitoring Requirements***	
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.	Frequency	Sample type
Flow	63,000 gpd	---	---	---	Continuous	Recorder
BOD	107 lbs/day	Report lbs/day	203 mg/L	Report mg/L	1/Week	Composite
BOD removal %	---	---	30%	---	1/Month	Calculate
TSS	76 lbs/day	Report lbs/day	145 mg/L	Report mg/L	1/Week	Composite
TSS removal %	---	---	50%	---	1/Month	Calculate
Settleable solids	---	---	Report (mg/L)	Report mg/L	1/Week	Grab
Fecal Coliform Bacteria	---	---	14 cfu/100mL	31 cfu/100mL	1/Week	Grab
E. coli Bacteria (April 15 to October 31 each year)	---	---	8 cfu/100mL	54 cfu/100mL	1/Week	Grab
Total Residual Chlorine	---	---	---	0.3 mg/L	1/Day	Grab
pH	6.0 – 9.0 SU				5/Week	Grab
Mercury (total)	---	---	33.4 ng/L	50.1 ng/L	1/Year	Grab

3.4 Staff

The public water and wastewater systems are operated as a department of the Northport Village Corporation. The department is operated by a licensed operator and a village agent as well as a part time office clerk. The department is overseen by a 5-person utilities committee that meets monthly.

4.0 CRITICAL ASSETS

4.1 General

Critical assets of the NVC sewer system are those items that are needed to maintain the safe and sanitary operation and treatment of wastewater in a manner that is fully compliant with all applicable regulations. Critical assets are those assets that serve the entire system or large segment of the system. Below is a list of critical assets in the Northport Village Corporation's sewer system:

- Treatment System
  - Flow Structures
  - Septic Tanks
  - Chlorine Contact Tank
  - Chlorination Building & Monitoring Equipment
- Outfall
- Shore Road Pump Station & Force Main
- Controls, communications, and alarms
- Collection system

Sewer mains, manholes, and mobile equipment are also vital but are considered less critical because those items do not serve the entire system or large segment of the system in the way the items above do. This factors into the asset criticality rating defined later in this report. This section provides information on those critical assets shown above as well as assets that are considered less critical. Included in the Appendix is a list of critical and non-critical assets as well as an inventory of sewer mains and manholes.

4.2 Critical Assets Inventory

4.2.1 Description

The critical assets inventory includes descriptions of assets, year installed, expected service life, conditions, etc. The expected service life is the first step in determining the remaining useful life of each asset. This is done by determining the date of installation and assigning anticipated service life (ASL) to each asset. Dirigo has estimated the anticipated service life of the assets based on various factors including:

- Accepted industry standards for typical service life of concrete and wooden structures in Maine.

- Accepted industry standards for mechanical and electrical equipment used in public wastewater treatment and pumping systems, AND based on the typical time period for which replacement parts may be readily available, AND the time frame in which no major maintenance should be anticipated, AND assuming the asset is operated at its design point for speed, power, and hours of usage throughout its life.

This does not intend to mean that when an asset reaches the age of its estimated service life that it will fail catastrophically, but that the likelihood of failure increases, and that the occurrence of minor failures increases. Minor failures could include pump seal failures, a water pump goes in the generator, coatings delaminate, check valves springs lose elasticity, electrical relays fail, etc.

Regular maintenance of assets including replacement of worn components, regular greasing, recoating/painting, etc. can extend the actual service life of an asset significantly. Deferred maintenance and extreme conditions or abuse can shorten actual service life significantly.

For this study, Dirigo used the Anticipated Service Life noted in Table 6 (pg. 10).

4.3 Treatment System

4.3.1 Description

The treatment facility is located at the ocean side of Ruggles Park between the Pier and the Yacht Club. The initial facility was constructed in 1989 and included: a 6' diameter precast flow distribution manhole with 3 – 60° V-Notch Weirs, 12 septic tanks arranged in 3 equal trains with each train having 31,000-gallon capacity, a 6' diameter precast flow measuring and chlorination manhole with 90° V-Notch Weir, a 12'x6' wood frame chlorination flow metering building, an 8,000-gallon precast concrete chlorine contact chamber with 4" thick precast concrete baffles, a 5' diameter precast de-chlorination manhole, a 5' diameter precast concrete effluent outfall manhole, and finally a 14" diameter 335' long cast iron outfall pipe. The treatment facility is licensed to discharge up to 63,000 GPD based on an average monthly flow.

The treatment facility has been upgraded through several projects since its initial installation:

- 2011: Leaks were repaired in tanks 1 and 2 of train 3 during the outfall replacement project.
- 2012: The flat top and hatch on the existing flow distribution manhole were replaced. Isolation Gate Valves were installed in the distribution pipes between the flow distribution manhole and the tank trains. New flow risers were installed between tanks 2 and 3 of each train. New 2" conduit for dichlorination was installed from the existing flow metering building. New Milltronics Transducers were installed in the flow measuring manhole.
- 2019: A Norweco Tri-Max tablet de-chlorination system was installed in the de-chlorination manhole. The precast top and hatch were also replaced.
- 2020: A new 12'x9' chlorination building was constructed. This project included the cast-in-place concrete foundation, wood framed building, controls, dialer, chart recorder, sampler, chemical tank, and relocation of chemical feed pumps. This project also included installation of a new backup generator and replacement of precast concrete top and hatch on the metering manhole.

4.3.2 Conditional Assessment

The treatment system has been modernized and updated recently (2020). There are no improvements or major repairs needed in the near future, however, within the 20-year planning period, the NVC should anticipate replacing the asphalt shingle roof of the building, paint the cedar shakes on the siding, and replace chemical pumps, scales, instrumentation, etc.

4.4 Outfall

4.4.1 Description

The effluent outfall pipe is a 12" SDR 7 IPS HDPE Pipe that extends approximately 600 feet into Penobscot Bay from the precast concrete outfall manhole at the treatment facility. This outfall was installed in 2011 to replace the former degraded 14" CI and DI outfall. The effluent outfall is buried in the intertidal area from the outfall manhole to approximately 250' out from the manhole. The pipe transitions to ocean bottom installation and extends another 350' out to an

invert depth of 41' below mean tide. The outfall pipe is anchored in the ocean bottom area with precast concrete anchor rings. The outfall is marked with two "No Anchor" buoys.

4.4.2 Conditional Assessment

CCTV inspection of the outfall was completed in the summer of 2025. Based on the inspection, the outfall is free of internal defects and damage and is installed with consistent downhill slope. Length, size, & pipe type are consistent with as-built records. There are no recommended improvements or repairs recommended for the outfall.

4.5 Pump Stations

The NVC Sewer System has one major pumping station (Shore Road Pump Station) owned and operated by NVC and 11 privately owned residential stations. For the purposes of this report, only the Shore Road Pump Station is an asset of NVC the other pump stations are privately owned and operated.

4.5.1 Description

Shore Road Pump Station receives wastewater from all customers south of Cobe Road including Kelly Cove subdivision. The pump station discharges through a 4" ductile iron force main that runs approximately 700' northwest along Shore Road and discharges in a manhole at the intersection of Cobe Road and Shore Road.

Table 2 – Pump Station Details	
Type	Duplex submersible pumps
Date Installed	1988
Date Renewed	Unknown
Pumps 1 and 2	Myers
Motors	7.5 HP, 230V, 3 Phase Open Delta
Discharge	4"
Generator	15 KW Onan Generator

Shore Road Pump Station is a wet well pump station with two (2) submersible no-clog pumps and a precast concrete wet well. The wet well has a top elevation of 38' above sea level. The controls and backup generator are housed in a separate slab-on-grade, non-insulated, wood frame controls building near the wet well. The finish floor elevation for the controls building is 39'. Control panel is an Ohio electric panel updated in 2010. Pumps are operated by wet well level indicated by floats. Pumps have motor starters for pump operation.

Backup power is provided by a 15KW propane fired generator manufactured by Onan, with underground propane tank, and automatic transfer switch. The generator was installed in 1988.

4.5.2 Conditional Assessment

The Shore Road Pump Station is in reasonable condition for its age. This pump station is critical to the area it serves. Upgrading pumps periodically and checking the piping and concrete structure will be critical to continued operation. Dirigo recommends that an upgrade should be made to the pumps, motor starters, other electrical components and associated wet well equipment as soon as possible. The generator is original and should be upgraded due to age and possible issues with obtaining repair parts.

4.6 Sewer Mains & Manholes

4.6.1 Description

The NVC Sewer System contains approximately 15,675 feet of gravity sewer mains and 68 manholes. The sewer collection system originally dates back to pre-1900 but much of the system has been upgraded through various projects over the years. Those projects are described as follows:

- 1986: Replacement of system on portions of Rogers Lane, Sea Street, Oak Street, Ruggles Park, Griffin Street, Clinton Avenue, Bay Street, Bayview Lane, Broadway, Grove Street, George Street, & Bluff Road.
- 1988/89: Sewer interceptor replacements along Shore Road and Ruggles Park Area.
- Prior to 2003 Kelly Cove Lane and Island View Road areas were installed and connected to the system.
- 2003: Sewer replacements on Shore Road, Park Row, Broadway, George Street, Griffin Street, Main Street, & Oak Street.
- 2012: Sewer replacements on Cobe Road and Bluff Road.
- 2016: Replacement of the sewer system on Maple Street.

The following tables show the sewer collection system characteristics by size, type, and age based on GIS information collected and edited by Dirigo Engineering.

Table 3 – Sewer Main Length by Size & Type

	Type				
Diameter (inch)	**HDPE**	**PVC**	**VC**	**AC**	**Total**
4	163	1086	169	---	**1418**
6	---	2908	727	---	**3635**
8	565	9285	78	150	**10078**
10	---	544	---	---	**544**
Totals	**1328**	**13823**	**974**	**150**	***15675***

Table 4 – Sewer Main Length by Age & Type					
	Type				
Age	**HDPE**	**PVC**	**VC**	**AC**	**Total**
≤ 10	0	308	0	0	**308**
10 - 15	0	921	0	0	**921**
16 - 20	0	0	0	0	**0**
21 - 25	0	3597	0	0	**3597**
26 - 30	0	0	0	0	**0**
31 - 35	0	0	0	0	**0**
36 - 40	0	1271	0	0	**1271**
Unknown	727	7726	975	150	**9578**
Totals	**727**	**13823**	**975**	**150**	***15675***

Table 5 – Sewer Manholes by Type	
Manhole Type	**Quantity**
Precast Concrete	37
Cast-in-Place	0
Block/Brick	0
Unknown	31
Total Manholes	**68**

4.6.2 Conditional Assessment

A partial CCTV inspection of the sewer system was completed in the summer of 2025 along Shore Road and Kelly Cove Lane. The inspection revealed some minor sags and debris in portions of the Shore Road mains and apparent infiltration near the terminus of the shore road force main and at a service near manhole 3135 on Kelly Cove Lane.

A manhole inventory and inspection was completed in late 2024. A number of manholes could not be opened because they were paved over or buried (24 of the 68). The most common defect found was debris in the flow channel. Please see the attached Manhole Inspection Table for additional information.

It is recommended that all manholes be adjusted to grade so that each can be accessed when needed. Dirigo recommends removing debris from manhole channels and repairing damaged or deficient grout, manhole joints, etc. Tree clearing and maintaining the Right of Way for all mains not along roads is critical for accessibility.

5.0 EVALUATION AND PRIORITIZATION OF ASSETS

This section defines how the assets are evaluated and prioritized. Appendix 3 is a critical asset inventory and in Appendix 4 is the evaluation of the critical assets. That evaluation is based on the data in this section.

5.1 Remaining Useful Life (RUL)

The first step in the assessment is calculation of the remaining useful life (RUL) of each asset in the system. This is done by determining the date of installation and assigning an anticipated service life (ASL) to each asset. For this study, we used the following ASL's.

Table 6 – Anticipated Service Life	
Asset	**Anticipated Service Life (ASL)**
Gravity sewer mains & manholes	
HDPE/PVC Gravity Sewer	100
VC Gravity Sewer	100
AC & Concrete Gravity Sewer	75
Precast manholes	100
Fieldstone/brick manholes	75
Force mains	
PVC/HDPE Force Main	100
Ductile Iron Force Main	80
Pump Stations	
Dry-pit pumps & valves	25
Submersible pumps and valves	20
Electrical systems	25
Telemetry & controls	20
Floats & transducers	15
Wetwell	100
Flow Meters	25
Generators/ATS	30
Treatment Plant	
Septic Tank	75
Buried Valves	75
Yard piping	75
Chemical tanks	20
Chemical feed system	5
Dechlorination facility	30
Composite Sampler	10

Hatch	40
Manhole covers	25
Buildings	
Concrete	100
CMU w/brick veneer	75
Wood framed	50
Heating Systems	25
Doors & Windows	25
Roofs	25

The remaining useful life of each asset is then determined by subtracting the assets age from the appropriate anticipated service life.

5.2 Probability of Failure

Probability of failure is assigned to each asset with a score of 1 to 10 based on remaining useful life. The higher scores indicate older assets with less remaining life. Newer assets with longer anticipated service lives would receive the lowest score.

Table 7 - Probability of Failure	
RUL (Years)	**Probability of Failure**
0-3	10
4-6	9
7-9	8
10-13	7
14-17	6
18-21	5
22-25	4
26-29	3
30-33	2
More than 33	1

5.3 Impact Criteria (Consequence of Failure)

After each asset is assigned a probability of failure number, the effect of failure is evaluated for several factors. This part of the analysis is often referred to as the Consequence of Failure.

The four factors chosen for this evaluation include:

- Customer Criticality – based on importance of customers
- Land Use – pattern of development in asset area
- Cost of Replacement

- Service Demand – based on what portion of the system the asset serves

Each asset is assigned a value of between 1 and 5 for each factor. All factors are weighted equally.

5.3.1 Customer Criticality

Critical customers include nursing homes, hospitals, schools, business centers, industrial users, police and fire stations.

The ranking is based on the number of critical customers served by an asset as indicated in the following table.

Table 8 - Customer Criticality Score

No. of Critical Customers Served	Score
More than 1	5
1	3
None	1

For mobile equipment a score of 2 was used. For the Maintenance garage a score of 3 was used.

5.3.2 Land Use

This factor considers the relative importance of the development in the area served by the sewer system asset. High rankings are given to densely built-up areas and low rankings are assigned to less developed areas.

Table 9 - Land Use Score

Land Use	Local Example	Score
Community	Community Center, Town Office, etc.	5
Industrial	Food processing	4
Commercial/Mixed Use	Downtown	3
Residential	Urban densely populated	2
Residential	Rural	1

For mobile equipment a score of 2 was used. For the Maintenance garage a score of 3 was used.

5.3.3 Replacement Cost

The cost of replacement is an important consideration in evaluating impact criteria. Using estimated cost of replacement values, we have assigned the scores in the following table. The more costly the replacement, the higher the score.

Table 10 - Cost	
Cost of Replacement	**Score**
>$300,000	6
$200,001 - $300,000	5
$100,001 - $200,000	4
$50,001 – $100,000	3
$10,001 – $50,000	2
< $10,000.00	1

5.3.4 Demand

This item considers the demand placed on the assets in the Northport Village Corporation system. For example, a failure of the treatment plant would cause a more significant interruption than the failure of the Shore Road Pump Station. Upstream connections are used for determining relative demand for the scoring in Table 11. The more of an area that the asset serves, the higher the score.

Table 11 - Demand	
Service Area	**Score**
>100 connections	6
51 - 100 connections	5
21 - 50 connections	4
6 - 20 connections	3
5 or fewer	1

5.3.5 Asset Impact Score (AIS)

The scores are added together for each asset to develop an Asset Impact Score ranking or relative importance of each asset in the sewer system. The maximum score is 20, indicating an asset that is critical to NVC. Lower scores indicate lower importance.

5.3.6 Risk of Failure (Criticality)

The final part of the analysis is to multiply the Probability of Failure (POF) Score and the Asset Impact Score (AIS) to provide a Risk of Failure Score (RFS) for each critical asset.

The Risk of Failure is determined by the following relation:

Probability of Failure (POF) x Asset Impact Score (AIS) = Risk of Failure Score (RFS).

The maximum score for POF is 10 and the minimum is 1. The possible range for the AIS is 4 to 26. The range of possible Risk of Failure Scores is 4 to 220. An RFS score on the low end of this range indicates an asset that is not in need of replacement. A higher score indicates priority for asset replacement.

An Asset Replacement Priority table was developed based on the RFS. The table is divided into four areas of Risk of Failure ranging from Very Low to High priority for replacement. Table 12 is the RFS table summary. The asset evaluation in Appendix uses these color codes to prioritize improvements.

Table 12 – Risk of Failure Score

Probability of Failure	Asset Inventory Score (AIS)																		
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
2	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
3	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66
4	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88
5	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
6	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
7	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147	154
8	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176
9	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	189	198
10	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220

Replacement Priority
Lowest Priority
Low Priority
Medium Priority
High Priority

As improvements are made to the system, the lower priority assets move up in priority. The asset replacement ranking should be re-visited every 5 years or so to keep the sewer system up to date. The evaluation and prioritization data for the critical assets in NVC's sewer system can be found in the Appendix. The charts are color coded by priority using the scheme in Table 12.

6.0 WATER & ENERGY CONSERVATION

6.1 Energy Use

The energy used at NVC is dependent on flows, therefore keeping the flows as low as possible will limit electrical consumption at the treatment plant. In addition, the recommended upgrade at the Shore Road Pump Station will utilize the most energy-efficient pumps that fit the needs of NVC.

6.2 Wastewater Flow Management

A comparison of Water sold versus wastewater discharged should be done annually to verify that the wastewater being discharged does not exceed the water going into the homes. This would indicate an excessive I/I problem and would require investigation to determine the source of the extra water. At that point a repair would need to be made to eliminate the water source. Table 15 shows the total treated flow and precipitation which indicates the flow is significantly impacted by precipitation. But without further study we cannot derive what the biggest contributors might be.

Table 15 Total Gallons Treated (MG)

	2022	**2021**	**2020**	**2019**	***Avg***
Jan	18.53	25.25	21.07	27.66	*23.1*
Feb	21.33	14.81	17.58	17.84	*17.9*
Mar	49.67	36.32	32.91	31.71	*37.7*
Apr	128.94	88.49	129.67	144.11	*122.8*
May	48.48	33.22	47.38	57.71	*46.7*
Jun		22.54	17.74	28.17	*22.8*
Jul		19.95	16.36	17.4	*17.9*
Aug		15.97	8.87	15.27	*13.4*
Sep		6.13	13.7	19.83	*13.2*
Oct		20.15	35.52	22.92	*26.2*
Nov		25.27	24.07	25.2	*24.8*
Dec		31.58	49.9	40.33	*40.6*
Total		**339.68**	**414.77**	**448.15**	*400.9*
Precipitation (inches)		37.1	35.9	41.54	*38.2*
Total Snow (inches)		106.2	145.7	154.5	*135.5*

7.0 CAPITAL IMPROVEMENTS PLANNING

7.1 Recommended Capital Improvements

A 20-year Capital Improvements Plan is intended to provide a guideline, or roadmap for capital improvements over the next 20 years. This is not a maintenance plan but includes costs for on-going maintenance to help plan for the required sewer budget in the future. The plan is prioritized based on the analysis completed in Section 3. Included in the Appendix is a detailed

Capital Improvement Plan in 5-year increments. Details of the Plan are discussed in the following sections.

7.1.1 Treatment System

Recommended Capital improvements to the Treatment System Include:

- Maintenance of the Chlorination Building and making repairs as necessary
- Replace the Manhole structures on site
- Annual inspection of Treatment Tanks replace when required
- Replace doors
- Replace Chemical feed pumps and appurtenances
- Control Panel upgrades
- Replace composite sampler
- Replace Backup generator
- Redo driveway

7.1.2 Shore Road Pump Station

Recommended Capital Improvements to the Shore Road Pump Station

- Complete upgrade of Pumps and piping I the wet well of the pump station
- Upgrade the electrical service
- Upgrade the electrical controls
- Replace Roof
- Replace the generator
- Upgrade telemetry

7.1.3 Sewer Mains & Manholes

Recommendation for sewer mains and manholes

- Finish opening all manholes and evaluating structures
- Re mortar manhole risers
- Epoxy inject leaking manholes
- Start an annual program to rehabilitate manhole structures

7.1.4 Buildings

Recommended Capital Improvements to the Shore Road Pump Station

- Replace roof Shore Road Pump Station
- Upgrade electrical Service
- Replace/ Stain cedar shake siding
- Regular maintenance

7.1.5 Mobile Equipment

Mobile Equipment is not part of this study, it is Dirigo's understanding that these items are part of the NVC as a whole and not specific to the sewer operation.

7.2 Future Consideration

New regulations and Discharge limit changes may require wastewater upgrades for improved treatment may be necessary and should be planned for in advance. Sea level rise according to the NOAA web site will become an issue over the next 50 years and should be addressed. Nutrient limits are being revised for discharges constantly in an effort to make the environment as pristine as possible. Nitrogen is the current Nutrient that is being focused on. Keep abreast of the proposed rules and regulations so any upgrades can be planned for in advance.

In addition, the treatment plant is located adjacent to Penobscot Bay only 12.0 feet above sea level. By 2050 NOAA predicts the sea level to rise 1.5 feet to 6.5' with storm surges to 16.0 feet which could significantly impact the treatment plant. The NVC should consider alternatives now and secure any land that may be needed. Further information is included in the Climate Adaptation Plan under separate cover.

7.3 Funding

User fees are the primary source of revenue and therefore the primary source of funding for capital improvements and O&M. The NVC also has several options for funding major improvements, such as major pump station renewal projects, major piping projects, etc. These options include:

- Maine DEP Clean Water SRF program
- USDA Rural Development
- CDBG
- Northern Border Regional Commission
- Congressionally Directed Spending

Appendix 1 – Wastewater Discharge License

AUTHORIZATION TO DISCHARGE UNDER CLEAN WATER ACT SECTION 301 (h) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and Title 38 Maine Revised Statutes § 414-A et seq.,

Northport Village Corporation
813 Shore Rd.
Northport, Maine 04849

is authorized to discharge from a facility located at

Main Street, Northport, Maine

to receiving water named Penobscot Bay – Northport, Maine

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This NPDES permit shall become effective on the first day of the calendar month following 60 days after signature by both the Director of the United States Environmental Protection Agency (EPA or Region 1) and the Commissioner of the Maine Department of Environmental Protection (MEDEP or the Department). This Waste Discharge License (WDL) shall become effective immediately upon signature by the Commissioner of the Maine Department of Environmental Protection.

Both the NPDES permit and WDL shall expire concurrently at midnight, five (5) years from the date of signature by the Commissioner of the Maine Department of Environmental Protection.

This permit supersedes the NPDES permit/WDL issued on March 21, 2019. This permit consists of the National Pollutant Discharge Elimination System Permit including effluent limitations and monitoring requirements (Part I) and MEPDES Standard Conditions Applicable to All Permits, (last revised July 1, 2002), EPA NPDES Part II Standard Conditions (April 26, 2018), and Attachment A Effluent Mercury Test Report.

Signed this ____day of _____

KENNETH MORAFF Digitally signed by KENNETH MORAFF Date: 2025.02.19 15:20:48 -05'00'

Ken Moraff, Director
Water Division
Environmental Protection Agency
Boston, Massachusetts

Signed this 18 day of February

Brian Kavanah

for Melanie Loyzim, Commissioner
Maine Department of Environmental Protection
Augusta, Maine

IN THE MATTER OF

NORTHPORT VILLAGE CORPORATION, WALDO COUNTY, MAINE PUBLICLY OWNED TREATMENT WORKS ME0100901 W002575-6B-I-R	)	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM WASTE DISCHARGE LICENSE
APPROVAL	)	**RENEWAL**

Pursuant to the provisions of the Federal Water Pollution Control Act, Title 33 USC, Section 1251, et seq., and 38 M.R.S., Section 414 A et seq., and applicable regulations, the U.S. Environmental Protection Agency (EPA or Region 1) and the Maine Department of Environmental Protection (MEDEP or the Department) have considered the application of the Northport Village Corporation (NVC or permittee), with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

APPLICATION SUMMARY

The permittee has applied for renewal of a combined National Pollutant Discharge Elimination System (NPDES) permit #ME0100901 and Maine Waste Discharge License (WDL) # W002575-6B-E-R that was issued on March 14, 2019 and expired on March 14, 2024. The permit/license (permit) authorizes the discharge of up to a monthly average flow of 63,000 gallons per day (gpd) of primary treated sanitary waste water to Penobscot Bay, Class SB, in Northport, Maine.

PERMIT SUMMARY

This permitting action is similar to the previous permitting action in that it carries forward:

1. The monthly average flow limitation of 63,000 gpd.

2. The monthly average technology-based requirements to achieve a minimum of 30% removal of biochemical oxygen demand (BOD) and a minimum of 50% removal for total suspended solids (TSS).

3. The monthly average technology-based mass limitations for BOD and TSS.

4. The daily maximum concentration reporting requirement for settleable solids.

5. The enterococci, fecal coliform, and mercury limits.

CONCLUSIONS

BASED on the findings in the Fact Sheet dated October 23, 2024 and subject to the Conditions listed below, the EPA and the Department make the following conclusions:

1. The discharge, either by itself or in combination with other discharges, will not lower the quality of any classified body of water below its classification.

2. The discharge, either by itself or in combination with other discharges, will not lower the quality of any unclassified body of water below the classification which the Department expects to adopt in accordance with state law.

3. The provisions of the State's antidegradation policy, 38 M.R.S. Section 464(4)(F), will be met, in that:

   (a) Existing in-stream water uses and the level of water quality necessary to protect and maintain those existing uses will be maintained and protected;

   (b) Where high quality waters of the State constitute an outstanding national resource, that water quality will be maintained and protected;

   (c) Where the standards of classification of the receiving water body are not met, the discharge will not cause or contribute to the failure of the water body to meet the standards of classification;

   (d) Where the actual quality of any classified receiving water body exceeds the minimum standards of the next highest classification, that higher water quality will be maintained and protected; and

   (e) Where a discharge will result in lowering the existing quality of any water body, the Department has made the finding, following opportunity for public participation, that this action is necessary to achieve important economic or social benefits to the State.

4. The discharge will be subject to effluent limitations that require application of best practicable treatment.

ACTION

THEREFORE, the USEPA and the Department APPROVE the above noted application of the NORTHPORT VILLAGE CORPORATION, to discharge up to a monthly average of 63,000 gpd of primary treated waste waters to Penobscot Bay, Class SB, in Northport, Maine, SUBJECT TO THE ATTACHED CONDITIONS, and all applicable standards and regulations including:

1. *"Maine Pollutant Discharge Elimination System Permit Standard Conditions Applicable To All Permits,"* revised July 1, 2002, and *EPA NPDES Part II, Standard Conditions,* (April 2018) copies attached.

2. The Conditions on the following pages.

3. If a renewal application is timely submitted and accepted as complete for processing prior to the expiration of this permit, the terms and conditions of this permit and all subsequent modifications and minor revisions thereto shall remain in effect until a final decision on the renewal application becomes effective (See 40 C.F.R. § 122 6). [*Maine Administrative Procedure Act*, 5 M.R.S. § 10002 and *Rules Concerning the Processing of Applications and Other Administrative Matters*, 06-096 CMR Ch. 2(20)(A) (amended June 9, 2018)].

Date of initial receipt of application: November 28, 2023
Date of application acceptance: December 19, 2023

This order prepared by jointly LAURA CROSSLEY, Bureau of Water Quality and MERIDITH FINEGAN, EPA Region I.

PART I – EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. REGULATORY AUTHORITY

1. This authorization to discharge includes two separate and independent permit authorizations. The two permit authorizations are (i) a federal National Pollutant Discharge Elimination System permit issued by the U.S. Environmental Protection Agency (EPA or Region 1) pursuant to the Federal Clean Water Act, 33 U.S.C. §§1251 et seq.; and (ii) an identical state Waste Discharge License (WDL) issued by the Commissioner of the Maine Department of Environmental Protection (MEDEP or the Department) pursuant to the Maine law, 38 M.R.S., Section 414-A et seq., and applicable regulations. All of the requirements contained in this authorization, as well as the standard conditions contained in Maine Standard Conditions found in 06-096 C.M.R Ch. 523, are hereby incorporated by reference into this surface water discharge permit/license (permit).

2. This authorization also incorporates the state water quality certification issued by MEDEP under § 401(a) of the Federal Clean Water Act, 40 C.F.R. § 124.53. All of the requirements (if any) contained in MEDEP's water quality certification for the permit are hereby incorporated by reference into this state permit.

3. Each agency shall have the independent right to enforce the terms and conditions of this permit. Any modification, suspension or revocation of this permit shall be effective only with respect to the agency taking such action, and shall not affect the validity or status of this permit/license as issued by the other agency, unless and until each agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this permit is declared invalid, illegal or otherwise issued in violation of state law such permit shall remain in full force and effect under federal law as a NPDES Permit issued by the U.S. Environmental Protection Agency. In the event this permit/license is declared invalid, illegal or otherwise issued in violation of federal law, this permit shall remain in full force and effect under state law as a WDL issued by the State of Maine.

B. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through expiration, the permittee is authorized to discharge primary treated effluent from outfall serial number 001A to Penobscot Bay. Such discharge must be limited and monitored as specified below.

Effluent Characteristic	Discharge Limitations				Monitoring Requirement	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow *[50050]*	63,000 gpd *[07]*	---	---	---	Continuous *[99/99]*	Recorder *[RC]*
BOD *[00310]*	107 lbs/day *[26]*	Report lbs/day *[26]*	203 mg/L *[19]*	Report, mg/L *[19]*	1/Week *[01/07]*	Composite *[24]*
BOD % Removal (1) *[50076]*	---	---	30 % *[23]*	---	1/Month *[01/30]*	Calculate *[CA]*
TSS *[00530]*	76 lbs/day *[26]*	Report lbs/day *[26]*	145 mg/L *[19]*	Report, mg/L *[19]*	1/Week *[01/07]*	Composite *[24]*
TSS % Removal (1) *[81011]*	---	---	50 % *[23]*	---	1/Month *[01/30]*	Calculate *[CA]*
Settleable Solids *[00545]*	---	---	Report (ml/L) *[25]*	Report (ml/L) *[25]*	1/Week *[01/07]*	Grab *[GR]*
Fecal Coliform Bacteria (2) *[31615]* (year-round)	---	---	14 cfu/100 mL *[30]*	31 cfu/100 mL *[30]*	1/Week *[01/07]*	Grab *[GR]*
Enterococci bacteria (2,4) *[61211]* (April 15th – October 31st each year)	---	---	8 cfu/100 mL *[30]*	54 cfu/100 mL *[30]*	1/Week *[01/07]*	Grab *[GR]*

Total Residual Chlorine [3,4] *[50060]*	---	---	---	0.3 mg/L *[19]*	1/Day *[01/01]*	Grab *[GR]*
pH (Std. Units) *[00400]*	The pH must not be less than 6.0 or greater than 9.0 at any time.				5/week *[01/01]*	Grab *[GR]*
Mercury (Total) [4,5] *[71900]*	---	---	33.4 ng/L *[3M]*	50.1 ng/L *[3M]*	1/Year *[01/YR]*	Grab *[GR]*

The italicized numeric values bracketed in the table above are code numbers that Department personnel use to code the monthly Discharge Monitoring Reports (DMR's).

Footnotes:

1. Percent removal - The permittee shall achieve at least 30% removal for BOD and 50% removal for TSS. For the purposes of calculating a monthly average percent removal, the permittee shall use the measured monthly average influent and effluent concentrations.

   Calculating BOD_5 Monthly Average 30% Removal Limit

   $\frac{(290\ mg/L - X\ mg/L) * (100\%)}{(290\ mg/L)} = Y\ \%$ Removal

   Where 290 mg/L is the default influent BOD_5 Concentration in mg/L
   X = Monthly Average BOD_5 effluent concentration in mg/L
   Y = Actual Monthly Average BOD_5 Percent Removal

   Calculating TSS Monthly Average 50% Removal Limit

   $\frac{(290\ mg/L - X\ mg/L) * (100\%)}{(290\ mg/L)} = Y\ \%$ Removal

   Where 290 mg/L is the default influent TSS Concentration in mg/L
   X = Monthly Average TSS effluent concentration in mg/L
   Y = Actual Monthly Average TSS Percent Removal.

2. Fecal coliform and enterococci bacteria – The monthly average limits for fecal coliform and enterococci are expressed as and must be reported as a geometric mean. Enterococci bacteria limitations and monitoring requirements are in effect between April 15th – October 31st of each year beginning April 15, 2020. The EPA and Department reserves the right to impose the limitation on a year-round basis to protect the health, safety and welfare of the public.

3. Total residual chlorine (TRC) – Limitations and monitoring requirements for TRC are in effect whenever elemental chlorine or chlorine-based compounds are utilized for disinfection or cleaning. The permittee shall utilize approved test methods that are capable of bracketing the limitations in this permit.

4. Required for State Certification.

5. Mercury – All mercury sampling (1/Year) required to determine compliance with interim limitations established pursuant to *Interim Effluent Limitations and Controls for the Discharge of Mercury*, 06-096 CMR 519 (last amended October 6, 2001) shall be conducted in accordance with EPA's "clean sampling techniques" found in EPA Method 1669, Sampling Ambient Water For Trace Metals At EPA Water Quality Criteria Levels. All mercury analyses shall be conducted in accordance with EPA Method 1631E, Determination of Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic

Fluorescence Spectrometry. See Attachment A, *Effluent Mercury Test Report*, of this permit for the Department's form for reporting mercury test results. Compliance with the monthly average will be based on the cumulative arithmetic mean of all mercury tests results that were conducted utilizing sampling Methods 1669 and analysis Method 1631E on file with the Department for this facility.

2. Sampling

Sampling for all parameters must be collected after the last treatment process prior to discharge to the receiving water. Sampling and analysis must be conducted in accordance with; a) methods approved by 40 Code of Federal Regulations (C.F.R.) Part 136, b) alternative methods approved by the Department in accordance with the procedures in 40 C.F.R. Part 136, or c) as otherwise specified by the Department. Samples that are sent out for analysis must be analyzed by a laboratory certified by the State of Maine's Department of Health and Human Services for wastewater. Samples that are analyzed by laboratories operated by waste discharge facilities licensed pursuant to Waste Discharge Licenses 38 M.R.S. § 413 are subject to the provisions and restrictions of Maine Comprehensive and Limited Environmental Laboratory Accreditation Rule, 10-144 CMR 263 (last amended March 15, 2023). If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 C.F.R. part 136 or as specified in this permit, all results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report.

In accordance with 40 C.F.R. § 122.44(i)(1)(iv), the permittee must monitor according to sufficiently sensitive test procedures (i.e., methods) approved under 40 C.F.R. Part 136 or required under 40 C.F.R. Chapter I, Subchapter N or O for the analysis of pollutants or pollutant parameters limited except WET). A method is considered "sufficiently sensitive" when: (1) The method minimum level (ML) is at or below the level of the effluent limit established in this permit for the measured pollutant or pollutant parameter; or (2) The method has the lowest ML of the analytical methods approved under 40 C.F.R. Part 136 or required under 40 C.F.R. Chapter I, Subchapter N or O for the measured pollutant or pollutant parameter.

The term "minimum level" refers to either the sample concentration equivalent to the lowest calibration point in a method or a multiple of the method detection limit (MDL), whichever is higher. Minimum levels may be obtained in several ways: They may be published in a method; they may be based on the lowest acceptable calibration point used by a laboratory; or they may be calculated by multiplying the MDL in a method, or the MDL determined by a laboratory, by a factor. When a parameter is not detected above the ML, the permittee must report the data qualifier signifying less than the ML for that parameter (e.g., <50µg/L, if the ML for a parameter is 50 µg/L).

In calculating and reporting the average monthly concentration when the pollutant is not detected, assign zero to the non-detected sample result if the pollutant was not detected for all monitoring periods in the prior twelve months. If the pollutant was detected in at least one

monitoring period in the prior twelve months, then assign each non-detected sample result a value that is equal to one half of the detection limit for the purposes of calculating averages.

C. NARRATIVE EFFLUENT LIMITATIONS

1. The effluent must not contain materials that cause a visible oil sheen, foam or floating solids in the receiving waters.

2. The discharge must not cause a change in color, taste, or turbidity in the receiving waters.

D. TREATMENT PLANT OPERATOR (specific to MEDEP)

The treatment facility must be operated by a person holding a minimum of a **Grade I** certificate or higher (or Registered Maine Professional Engineer) pursuant to *Sewerage Treatment Operators*, Title 32 M.R.S., Sections 4171-4182 and *Regulations for Wastewater Operator Certification*, 06-096 CMR. Ch. 531 (effective July 24, 2023). All proposed contracts for facility operation by any person must be approved by the Department before the permittee may engage the services of the contract operator.

E. AUTHORIZED DISCHARGES

The permittee is authorized to discharge only in accordance with the terms and conditions of this permit and only from the outfall(s) listed in Part 1.B.1. Discharges of wastewater from any other point sources, including sanitary sewer overflows (SSOs) are not authorized under this permit, and shall be reported in accordance with Part D.1.e of the Standard Conditions of this permit.

Any pollutant loading greater than the proposed discharge (based on the chemical-specific data and the facility's design flow as described in the permit application, or any other information provided to EPA during the permitting process) is not authorized by this permit.

F. NOTIFICATION REQUIREMENT

In accordance with EPA Part II Standard Condition D, the permittee must notify the Department and the EPA of the following:

1. Any substantial change in the volume or character of pollutants being introduced into the wastewater collection and treatment system by a source introducing pollutants to the system at the time of permit issuance.

2. For the purposes of this section, adequate notice must include information on:

    a. The quality or quantity of wastewater introduced to the wastewater collection and treatment system;

b. Any anticipated impact of the change in the quality or quantity of the wastewater to be discharged from the treatment system and

c. Prohibitions concerning interference and pass-through: pollutants introduced into POTW's by a non-domestic source (user) shall not pass through the POTW or interfere with the operation or performance of the works.

G. WET WEATHER FLOW MANAGEMENT PLAN

The treatment facility staff must maintain a current written Wet Weather Management Plan to direct the staff on how to operate the facility effectively during periods of high flow. The Department acknowledges that the existing collection system may deliver flows in excess of the monthly average design capacity of the treatment plant during periods of high infiltration and rainfall.

The plan must include operating procedures for a range of intensities, address solids handling procedures (including septic waste and other high strength wastes if applicable) and provide written operating and maintenance procedures during the events.

The permittee must review their plan annually and record necessary changes to keep the plan up to date.

H. OPERATIONS AND MAINTENANCE FOR THE TREATMENT PLANT

This facility must maintain a current written comprehensive Operation & Maintenance (O&M) Plan. The plan must provide a systematic approach by which the permittee must at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit.

By December 31 of each year and within ninety (90) days of any process changes or minor equipment upgrades *[PCS Code 09699],* the permittee must evaluate and modify the O&M Plan including site plan(s) and schematic(s) for the waste water treatment facility to ensure that it is up-to-date. The O&M Plan shall be kept on-site at all times and made available to Department and EPA personnel upon request.

Within ninety (90) days of completion of new and or substantial upgrades of the wastewater PCS Codes treatment facility *[PCS Code 50108],* the permittee must submit the updated O&M Plan to their Department's compliance inspector for review and comment.

Within ninety (90) days of the effective date of this permit, *[PCS Code 00701]*, the permittee must submit to the Maine Department of Environmental Protection for review and approval, a public education program designed to minimize the entrance of non-industrial toxic pollutants and pesticides into the collection system and waste water treatment facility.

Within one hundred and twenty (120) days of the effective date of this permit, *[PCS Code 53399]*, the permittee must provide written notice to the Maine Department of Environmental Protection, that the approved public education program has been implemented.

I. OPERATION AND MAINTENANCE OF THE TREATMENT AND CONTROL FACILITIES

1. Adaptation Planning

a. *Adaptation Plan*. Within the timeframes described below, the Permittee shall develop an Adaptation Plan for the Wastewater Treatment System (WWTS) [1] and/or sewer system[2] that they own and operate. Additional information on the procedures and resources to aid permittees in development of the Adaptation Plan is provided on EPA's Region 1 NPDES website at https://www.epa.gov/npdes-permits/npdes-water-permit-program-new-england. The Adaptation Plan shall contain sufficient detail for EPA to evaluate the analyses.

Component 1: Identification of Vulnerable Critical Assets. Within 36 months of the effective date of the permit, the Permittee shall develop and sign, consistent with the signatory requirements in Part II.D.2 of this Permit, an identification of critical assets[3] and related operations[4] within the WWTS and/or sewer system which they own and operate, as applicable, that are most vulnerable due to major storm and flood events[5] under baseline conditions[6] and under future conditions.[7] This

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1 "Wastewater Treatment System" or "WWTS" means any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It does not include sewers, pipes and other conveyances to the wastewater treatment facility.
2 "Sewer System" refers to the sewers, pump stations, manholes and other infrastructure use to convey sewage to the wastewater treatment facility from homes or other sources.
3 A "critical asset" is an asset necessary to ensure the safe and continued operation of the WWTS or the sewer system and ensure the forward flow and treatment of wastewater in accordance with the limits set forth in this permit.
4 "Asset related operations" are elements of an asset that enable that asset to function. For example, pumps and power supply enable the operation of a pump station.
5 "Major storm and flood events" refer to instances resulting from major storms such as hurricanes, extreme/heavy precipitation events, and pluvial, fluvial, and flash flood events such as high-water events, storm surge, and high-tide flooding, including flooding caused by sea level change. "Extreme/heavy precipitation" refers to instances during which the amount of rain or snow experienced in a location substantially exceeds what is normal according to location and season.
6 "Baseline conditions" refers to the 100-year flood based on historical records.
7 "Future conditions" refers to projected flood elevations using one of two approaches: a) Climate Informed Science Approach (CISA): The elevation and flood hazard area that result from using the best-available, actionable hydrologic and hydraulic data and methods that integrate current and future changes in flooding based on climate science. These shall include both short term (10-25 years forward-looking) and long term (25-70 years forward-looking) relative to the baseline conditions and must include projections of flooding due to major storm and flood

information shall be provided to EPA upon request. For these critical assets and related operations, the Permittee shall assess the ability of each to function properly in the event of impacts[8] from major storm and flood events in terms of effluent flow (e.g., bypass, upset or failure), sewer flow (e.g., overflow, inflow and infiltration), and discharges of pollutants (e.g., effluent limit exceedance).

Component 2: Adaptive Measures Assessment.[9] Within 48 months of the effective date of the permit, the Permittee shall develop and sign, consistent with the signatory requirements in Part II.D.2 of this Permit, an assessment of adaptive measures,[10] and/or, if appropriate, the combinations of adaptive measures that minimize the impact of future conditions on the critical assets and related operations of the WWTS and/or sewer system(s). This information shall be provided to EPA upon request. The Permittee shall identify the critical assets and related operations at the highest risk of not functioning properly under such conditions and, for those, select the most effective adaptation measures that will ensure proper operation of the highest risk critical assets and the system as a whole.

Component 3: Implementation and Maintenance Schedule. Within 48 months of the effective date of the permit, the Permittee shall submit to EPA a proposed schedule for implementation and maintenance of adaptive measures. The Implementation and Maintenance Schedule shall summarize the general types of significant risks[11] identified in Component 1, including the methodology and data used to derive future conditions[12] used in the analysis and describe the adaptive measures taken (or planned) to minimize those risks from the impact of major storm and flood events for each of the critical assets and related operations of the WWTS and the sewer system and how those adaptive measures will be maintained, including the

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events using federal, state and local data, where available; b) Freeboard Value and 500-year floodplain Approach: The flood elevations that result from adding an additional 2 feet to the 100-year flood elevation for non-critical actions and by adding an additional 3 feet to the 100-year flood elevation for critical actions compared to the flood elevations that result from 500-year flood (the 0.2% -annual-chance flood) and selecting the higher of the two flood elevations.

8 "Impacts" refers to a strong effect on an asset and/or asset-related operation that may include destruction, damage or ineffective operation of the asset and/or asset operation. Impacts may be economic, environmental, or public health related.

9 The Permittee may complete this component using EPA's Climate Resilience Evaluation and Awareness Tool (CREAT) Risk Assessment Application for Water Utilities, found on EPA's website Creating Resilient Water Utilities (CRWU) (https://www.epa.gov/crwu), or methodology that provides comparable analysis.

10 "Adaptive Measures" refers to physical infrastructure or actions and strategies that a utility can use to protect their assets and mitigate the impacts of threats. They may include but are not limited to: building or modifying infrastructure, utilization of models (including but not limited to: flood, sea-level rise and storm surge, sewer/collection system, system performance), monitoring and inspecting (including but not limited to: flood control, infrastructure, treatment) and repair/retrofit.

11 In light of security concerns posed by the public release of information regarding vulnerabilities to wastewater infrastructure, the Permittee shall provide information only at a level of generality that indicates the overall nature of the vulnerability but omitting specific information regarding such vulnerability that could pose a security risk.

12 See footnote 7.

rationale for either implementing or not implementing each adaptive measure that was assessed and an evaluation of how each adaptive measure taken (or planned) will be funded.

b. *Credit for Prior Assessment(s) Completed by Permittee.* If the Permittee has undertaken assessment(s) that were completed within 5 years of the effective date of this permit, or is currently undertaking an assessment that address some or all of the Adaptation Plan components, such prior assessment(s) undertaken by the Permittee may be used (as long as the reporting time frames (set forth in Part I.I.1.a) and the signatory requirements (set forth in Part II.D.2 of this permit) are met) in satisfaction of some or all of these components, as long as the Permittee explains how its prior assessments specifically meet the requirements set forth in this permit and how the Permittee will address any permit requirements that have not been addressed in its prior or ongoing assessment(s).

c. *Adaptation Plan Progress Report.* The Permittee shall submit an Adaptation Plan Progress Report on the Adaptation Plan for the prior calendar year that documents progress made toward completing the Adaptation Plan and, following its completion, any progress made toward implementation of adaptive measures, and any changes to the WWTF or other assets that may impact the current risk assessment. The first Adaptation Progress Report is due the first March 31 following completion of the Identification of Critical Vulnerable Assets (*Component 1*) and shall be submitted by March 31 each year thereafter. The Adaptation Plan shall be revised if on- or off-site structures are added, removed, or otherwise significantly changed in any way that will impact the vulnerability of the WWTS or sewer system.

2. Sewer System

Operation and maintenance of the sewer system must be in compliance with the General Requirements of NPDES Part II Standard Conditions and the following terms and conditions. The permittee is required to complete the following activities for the collection system which it owns:

a. Maintenance Staff

The Permittee must provide an adequate staff to carry out the operation, maintenance, repair, and testing functions required to ensure compliance with the terms and conditions of this permit. Provisions to meet this requirement must be described in the O&M Plan required in Section H, above.

b. Preventive Maintenance Program

The Permittee must maintain an ongoing preventive maintenance program to prevent overflows and bypasses caused by malfunctions or failures of the sewer system infrastructure. The program must include an inspection program designed to identify

all potential and actual unauthorized discharges. Provisions to meet this requirement must be described in the O&M Plan required in Section H, above.

c. Infiltration/Inflow

The Permittee must control infiltration and inflow (I/I) into the sewer system as necessary to prevent high flow related unauthorized discharges from their collection system and high flow related violations of the wastewater treatment plant's effluent limitations, or excessive I/I.

d. Collection System Mapping

The Permittee must maintain a map of the sewer collection system it owns.

The map must be on a street map of the community, with sufficient detail and at a scale to allow easy interpretation. The collection system information shown on the map must be based on current conditions and shall be kept up-to-date and available for review by federal, state, or local agencies. Such map(s) must include, but not be limited to the following:

a. All sanitary sewer lines and related manholes;
b. All pump stations and force mains;
c. All surface waters (labeled);
d. Other major appurtenances such as inverted siphons and air release valves;
e. A numbering system which uniquely identifies manholes, catch basins, overflow points, regulators and outfalls; and
f. The scale and a north arrow; and the pipe diameter, date of installation, type of material, distance between manholes and the direction of flow.

J. 06-096 CMR Ch. 530(2)(D)(4) STATEMENT FOR REDUCED/WAIVED TOXICS TESTING (Specific to Maine DEP)

By December 31 of each calendar year, the permittee must provide the Department with a certification describing any of the following that have occurred since the effective date of this permit ***[PCS Code 95799]***: See **Attachment C** of the Fact Sheet for an acceptable certification form to satisfy this requirement.

1. Changes in the number or types of non-domestic wastes contributed directly or indirectly to the wastewater treatment works that may increase the toxicity of the discharge;

2. Changes in the operation of the treatment works that may increase the toxicity of the discharge; and

3. Changes in industrial manufacturing processes contributing wastewater to the treatment works that may increase the toxicity of the discharge.

4. In addition, in the comments section of the certification form, the permittee must provide the Department with statements describing;

    a. Changes in storm water collection or inflow/infiltration affecting the facility that may increase the toxicity of the discharge.

    b. Increases in the type or volume of hauled wastes accepted by the facility.

5. The Department reserves the right to require annual (surveillance level) testing or other toxicity testing if new information becomes available that indicates the discharge may cause or have a reasonable potential to cause exceedances of ambient water quality criteria/thresholds.

K. SLUDGE AND/OR SEPTAGE USE/DISPOSAL

1. The permittee must comply with all existing federal and state laws and regulations that apply to sludge and/or septage use and disposal practices, including EPA regulations promulgated at 40 C.F.R. Part 503.

2. If both state and federal requirements apply to the permittee's septage use and/or disposal practices, the permittee must comply with the more stringent of the applicable requirements.

L. MONITORING AND REPORTING

Electronic Reporting: NPDES Electronic Reporting, 40 C.F.R. § 127, requires Maine NPDES permit holders to submit monitoring results obtained during the previous month on an electronic discharge monitoring report to the regulatory agency utilizing the USEPA electronic system.

1. Electronic DMRs submitted using the USEPA CDX system, must be:

    a. Submitted by a facility-authorized signatory; and
    b. Submitted no later than midnight on the 15th day of the month following the completed reporting period.

2. Documentation submitted in support of the electronic DMR may be attached to the electronic DMR. Toxics reporting must be done using the DEP Toxsheet reporting form. An electronic copy of the Toxsheet reporting document must be submitted to your Department compliance inspector as an attachment to an email.

3. Documentation submitted electronically to the Department in support of the electronic DMR must be submitted no later than midnight on the 15th day of the month following the completed reporting period.

4. Any verbal reports or verbal notifications, if required in Parts I and/or II of this permit, must be made to EPA. This includes verbal reports and notifications which require reporting within 24 hours. (As examples, see EPA Standard Conditions, Part II.B.4.c. (2), Part II.B.5.c. (3), and Part II.D.1.e.) Verbal reports and verbal notifications shall be made to EPA's Office of Environmental Stewardship at:

U.S. Environmental Protection Agency
Enforcement and Compliance Assurance Division
617-918-1746

M. RE-OPENING OF PERMIT FOR MODIFICATIONS

Upon evaluation of test results required by Part I of this permitting action, additional site-specific information or any other pertinent information or test result obtained during the term of this permit, the Department may, at any time, and with notice to the permittee, modify this permit to: (1) include effluent limits necessary to control specific pollutants or whole effluent toxicity where there is a reasonable potential that the effluent may cause water quality criteria to be exceeded; (2) require additional monitoring if results on file are inconclusive; or (3) change the monitoring requirements and/or limitations based on new information.

Appendix 2 –Sewer Mains & Manholes Inventory

Northport Village Corporation
Sewer Main Table

Location	*Begin MH#*	*End MH#*	*Diameter (inch)*	*Material*	*Year Installed*	*Condition*	*Inspection Date*	*Length (feet)*	*Estimated Service Life*	*Remaining Service Life*
Outfall Pipe			12	IPS HDPE	2011			600	100	87
Between Broadway & Pleasant Lane			6	VC				77	100	Unknown
Clinton Avenue			6	VC				50	100	Unknown
Shore Road	2045	2040	8	PVC	1988	No Defects	7/15/2025	108	100	64
Kelly Cove Lane	3155	3145A	8	PVC				148	100	Unknown
Ruggles Park	2000	1000	6	PVC	1988			93	100	64
Ruggles Park	2005	2000	8	PVC	1988			50	100	64
Rogers Lane	2032	2030	6	PVC				146	100	Unknown
George Street		2030	6	VC				88	100	Unknown
Sea Street	2017	2015	8	PVC				347	100	Unknown
Oak Street			6	PVC				279	100	Unknown
Ruggles Park/Maple Street	2002	2001	6	PVC				224	100	Unknown
Maple Street	2003	2002	8	PVC	2016			308	100	92
Maple Street		2003	4	VC				169	100	Unknown
Water Plant			4	PVC				240	100	Unknown
Griffin Street		1305	6	PVC				566	100	Unknown
West & Pleasant Street		1115	6	PVC				652	100	Unknown
Clinton Avenue			4	PVC				456	100	Unknown
Clinton Avenue			6	VC				115	100	Unknown
Auditorium Park		1025	6	VC				100	100	Unknown
Pleasant Lane		1020	6	VC				296	100	Unknown
Shore Road	3010	3005	8	PVC	2003	No Defects	7/15/2025	217	100	79
Shore Road	3005	Pump Station	8	PVC	2003	**Debris in Pipe, Standing Water, Sag in Pipe**	7/15/2025	17	100	79
Park Row	1014	1013	8	PVC	2003			180	100	79
Broadway	1130	1125	8	PVC	2003			67	100	79
Broadway	1125	1120	8	PVC	2003			138	100	79
George Street	1307	1305	8	PVC	2003			89	100	79
Clinton Avenue	1126	1125	8	PVC				175	100	Unknown
Cross Country to Ruggles Park	2010	2005	8	HDPE				173	100	Unknown
Bay Street	2015	2010	8	PVC				189	100	Unknown
Bayview Street	2018	2015	8	PVC				108	100	Unknown
Bayview Street	2020	2018	10	PVC				94	100	Unknown
Cross Country George St. to Bayview	2025	2020	8	PVC	1988			132	100	64
Cross Country George St. to Bayview	2030	2025	8	PVC	1988			135	100	64
Shore Road	2035	2030	8	PVC	1988	No Defects	7/15/2025	139	100	64
Shore Road	2040	2035	8	PVC	1988	No Defects	7/15/2025	107	100	64
Broadway	1135	1130	8	PVC				117	100	Unknown
Off Shore Road		3000	4	HDPE				132	100	Unknown
Park Row	1013	1012	8	PVC	2003			103	100	79
Shore Road	3015	3010	8	PVC	2003	No Defects	7/15/2025	165	100	79
Kelly Cove Lane	3155A	3155	8	PVC				144	100	Unknown
North Avenue	1035	1030	8	HDPE				268	100	Unknown

Northport Village Corporation
Sewer Main Table

Location	*Begin MH#*	*End MH#*	*Diameter (inch)*	*Material*	*Year Installed*	*Condition*	*Inspection Date*	*Length (feet)*	*Estimated Service Life*	*Remaining Service Life*
Kelly Cove Lane	3155B	3155A	8	PVC				179	100	Unknown
Clinton Avenue		1126	8	PVC				168	100	Unknown
Grove Street		1126	6	PVC				313	100	Unknown
North Avenue	1030		8	HDPE				124	100	Unknown
Cross Country Clinton to Auditorium			8	PVC				58	100	Unknown
Water Plant			4	PVC				87	100	Unknown
Water Plant			4	PVC				132	100	Unknown
Broadway		1135	8	PVC				111	100	Unknown
to Bayview Street			6	PVC				54	100	Unknown
Between Broadway & Pleasant Lane			6	PVC				24	100	Unknown
Shore Road	3120	3115	8	PVC				182	100	Unknown
Shore Road		3120	6	PVC		**Appears to be some I&I coming from FM Terminus at end of Pipe Run**	7/15/2025	120	100	Unknown
Park Row	1005	1000	10	PVC	1988			73	100	64
Oak Street	1100	1005	8	PVC				176	100	Unknown
Island View Road to Kelly Cove Lane	3200	3145A	8	PVC				520	100	Unknown
Island View Road	3205	3200	8	PVC				211	100	Unknown
Island View Road	3210	3205	8	PVC				143	100	Unknown
Shore Road	3125	3120	8	PVC		**Sags in Pipe, Standing Water**	7/15/2025	166	100	Unknown
Kelly Cove Lane to Shore Road	3130	3125	8	PVC		**Several Sags in Pipe, Standing Water**	7/15/2025	147	100	Unknown
Kelly Cove Lane	3135	3130	8	PVC		**I&I at Service near MH 3135**	7/15/2025	152	100	Unknown
Kelly Cove Lane	3145	3135	8	PVC		**CCTV Abandoned pipe too greasy at 60' from MH 3135**	7/15/2025	173	100	Unknown
Kelly Cove Lane	3145A	3145	8	PVC				143	100	Unknown
Shore Road	3115	3110	8	PVC	2003	No Defects	7/15/2025	192	100	79
Shore Road	3110	3105	8	PVC	2003	No Defects	7/15/2025	294	100	79
Shore Road	3105	Pump Station	8	PVC	2003	No Defects	7/15/2025	23	100	79
Shore Road	3000	Pump Station	10	PVC	1988			117	100	64
Cobe Road to Shore Road	2055	2050	8	PVC	2012			41	100	88
Cobe Road	2060	2055	8	PVC	2012			235	100	88
Cobe Road	2065	2060	8	PVC	2012			250	100	88
Cobe Road	2070	2065	8	PVC	2012			279	100	88
Bluff Road		2070	8	PVC	2012			115	100	88
Bayview Street	2022	2020	6	PVC				61	100	Unknown
Cross Country to Bayview Street		2022	6	PVC				140	100	Unknown
Shore Road	2050	2045	8	PVC	1988	**Sag in Pipe at MH 2045 where service enters**	7/15/2025	135	100	64
George Street			4	PVC				65	100	Unknown
George Street			4	HDPE				31	100	Unknown
Bluff Road			4	PVC				106	100	Unknown
Bluff Road			6	PVC				92	100	Unknown

Northport Village Corporation
Sewer Main Table

Location	*Begin MH#*	*End MH#*	*Diameter (inch)*	*Material*	*Year Installed*	*Condition*	*Inspection Date*	*Length (feet)*	*Estimated Service Life*	*Remaining Service Life*
Griffin Street	1305	1300	8	PVC	2003			210	100	79
Griffin Street	1300	1110	8	PVC	2003			204	100	79
Main Street	1215	1210	8	PVC	2003			333	100	79
Main Street	1210	1205	8	PVC	2003			290	100	79
Main Street	1205	1200	8	PVC	2003			270	100	79
Main Street	1200	1105	8	PVC	2003			157	100	79
Broadway	1115	1110	8	PVC	2003			114	100	79
Broadway	1120	1115	8	PVC	2003			182	100	79
Park Row	1015	1012	8	VC				20	100	Unknown
Park Row	1012	1010	10	PVC				119	100	Unknown
Park Row	1010	1005	10	PVC	1988			142	100	64
Oak Street	1105	1100	8	PVC	2003			54	100	79
Broadway	1110	1105	8	PVC	2003			153	100	79
Auditorium Park	1025	1020	8	AC				150	75	Unknown
Off Park Row	1020	1015	8	VC				58	100	Unknown
To Tank Train 2	1000	Tank	8	PVC	1988			11	100	64
To Tank Train 3	1000	Tank	8	PVC	1988			19	100	64
To Tank Train 1	1000	Tank	8	PVC	1988			10	100	64
George Street		1205	6	PVC	2003			145	100	79

BOLD ITEMS NEED TO BE ADDRESSED

Total Length = ***16274***

No Manhole number

Northport Village Corporation
Sewer Collection System
Manhole Inspection Report

Defect Index																	
	cb	cover broken	**fg**	frame grout	**rg**	riser grout	**cl**	cone leak	**ir**	invert repair	**sr**	step repair	**bk**	blockage
	vg	vegetation present	**fl**	frame leaking	**rl**	riser leak	**br**	barrel repair	**og**	outlet grout	**na**	not any	**sd**	storm drain
	fb	frame broken	**rr**	riser repair/replace	**cr**	cone repair	**bl**	barrel leak	**ig**	inlet grout	**nd**	no drop	**id**	invert debris

COULD NOT INSPECT NOT ACCESSIBLE

STREET (or) INTERCEPTOR	MANHOLE	COVER		RISER	CONE		BARREL	MANHOLE INVERT		OUTLET			INLET "A"				INLET "B"				INLET "C"				LAST INSP.	DEFECTS					NOTES
NAME	Number	Diameter	Type	Type	Material	Type	Material	Material	Depth	Rim to Invert	Pipe Dia.	Pipe Type	Rim to Invert	Pipe Dia.	Pipe Type	Drop	Rim to Invert	Pipe Dia.	Pipe Type	Drop	Rim to Invert	Pipe Dia.	Pipe Type	Drop							
Oak Street	1005	24	Standard	N/A	Concrete	Eccentric	Concrete	Brick	Full	8.17	10	PVC	8.08	8	PVC		7.75	10	PVC						11/6/2024	id	cb				Waste & Debris Building in Invert, Cover and Ring stuck together
Park Row	1010	Buried																													Buried - Could not open
Park Row	1012	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	10.17	8	PVC	7.00	8	PVC	Drop	6.42	8	PVC	Drop					11/6/2024	bk					Blockage in Drop Pipe on Inlet B
Park Row	1013	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	6.33	8	PVC	6.58	8	PVC										11/6/2024	og	ig				Water Intrusion around pipe seals
Park Row	1014	Buried																													Buried - Could not open
Auditorium Park	1025	Buried																													Buried - Could not open
North Avenue	1030	24	Standard	Precast	Concrete	Eccentric	Concrete	Brick	1/2	3.17	8	PVC	3.00	8	PVC										11/6/2024	id					Grease/Waste Building in invert channel
Broadway Park Area	1035	24	Standard	N/A	Concrete	Eccentric	Concrete	Concrete	Full	4.92	8	PVC	4.58	8	PVC		4.83	8	PVC						10/29/2024	og	id				Grout around outlet is broken apart, Debris in invert channel
Main Street	1100	Buried																													Buried - Could not open
Main Street/ Broadway	1105	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	7.83	8	PVC	7.75	8	PVC		7.25	8	PVC						10/29/2024	rl					Water leaking around riser
Broadway	1110	Buried																													Buried - Could not open
Broadway	1115	Buried																													Buried - Could not open
Broadway	1120	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	8.08	8	PVC	8.00	8	PVC										10/29/2024	id					Debris in invert channel
Broadway	1125	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	8.25	8	PVC	8.17	8	PVC		8.00	8	PVC						11/29/2024	rr					Brick Riser deteriorated
Clinton Avenue	1126	24	Standard	Precast	Concrete		Concrete	Concrete	Full	6.08	8	PVC	6.00	6	PVC		5.75	8	PVC						10/29/2024	id	og	ig			Debris in invert channel, Repair Grout/Seals around Inlet & Outlet
Broadway	1130	24	Standard	Brick/Pre	Concrete	Eccentric	Concrete	Concrete	1/2 & Full	7	8	PVC	6.50	8	PVC										10/29/2024	id	rr				Cracked & Displaced Riser, Debris in invert channel
Broadway	1135	24	Standard	Brick	Concrete		Concrete	Concrete	Full	6.08	8	PVC	5.92	8	PVC		6.00	2"	PVC						10/29/2024	id					Debris in invert channel, 2" Inlet is FM terminus (4" Opening in MH)
Main Street	1200	Could Not Open																													Could Not Open Manhole
George Street	1205									7.5	8	PVC	7.42	6	PVC		7.42	8	PVC						10/29/2024	id	rr				Debris in invert channel, Riser brick damaged
Main Street	1210	Could Not Open																													Could Not Open Manhole
Bluff Road	1215	24	Standard	Brick	Concrete		Concrete	Concrete	Full	7.5	8	PVC	7.33	8	PVC										10/28/2024	id	rr				Debris in invert channel, Riser brick damaged
Griffin Street	1300	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	10.33	8	PVC	10.42	8	PVC										10/29/2024	rg	rl				Riser grout deteriorated, water leak around riser
George Street	1305	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	8.67	8	PVC	7.42	6	PVC		8.58	8	PVC						10/29/2024	id	rr				Debris in invert channel, Riser brick damaged
George Street	1307	24	Standard	Brick	Concrete		Concrete	Concrete	Full	8.17	8	PVC	8.08	8	PVC										10/29/2024	id					Debirs in invert channel
Ruggles Park/Maple Street	2000	24	Standard	N/A	Concrete	Eccentric	Concrete	Brick	Full	8.75	8	PVC	8.67	8	PVC		7.33	8	PVC						11/6/2024	cl					Water Intrusion around Cone Seal
Ruggles Park/Maple Street	2001	Buried																													Buried - Could not open
Maple Street	2002	Could Not Open																													Could Not Open Manhole
Maple Street	2003	Could Not Open																													Could Not Open Manhole
Bay Street	2010	24	Standard	Brick	Brick		Brick	Brick	1/2	7.58	8	HDPE	7.42	8	PVC		4.58	8	VC		4.58	8	VC		11/6/2024	rr					Brick Riser deteriorated, Evidence of Water Intrusion
George Street	2017	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete		5.92	8	PVC													10/29/2024	cl	bl	bk			Seal between cone & barrel missing/damaged, Water in bottom
Bay Street	2018	Buried																													Buried - Could not open
Bay Street	2020	Buried																													Buried - Could not open
Bay Street	2022	Buried																													Buried - Could not open
Shore/Bay Street	2025	Could Not Open																													Could Not Open Manhole
Shore Road	2030	24	Standard	Block	Concrete	Eccentric	Concrete	Brick	Full	14	8	PVC	13.83	8	PVC		12.08	6	PVC	Drop					10/28/2024	rg	bl				Riser grout deteriorated, Seals in Barrel are falling out
Rogers Lane	2032									4.92	8	PVC	4.83	8	PVC										11/6/2024	bl					Water Intrusion, unknown source
Shore Road	2035	24	Standard	Brick	Concrete	Eccentric	Concrete	Brick	Full	8.25	8	PVC	7.92	8	PVC										10/28/2024	rg	id				Riser grout deteriorated, Debris in invert channel
Shore Road	2040	24	Standard	N/A	Concrete	Eccentric	Concrete	Concrete	Full	9.67	8	PVC	9.58	8	PVC										10/28/2024	cr	br	id			Grout between cone & barrel is broken, Debris in invert channel
Shore Road	2045	24	Standard	Brick	Concrete	Eccentric	Concrete	Brick	Full	11.75	8	PVC	11.67	8	PVC										10/28/2024	rg					Riser grout deteriorated
Shore Road	2050	24	Standard	Brick	Concrete	Eccentric	Concrete	Brick	Full	9.25	8	PVC	8.92	8	PVC		9.00	4	PE		3.42	10	PVC		10/28/2024	na					4" is FM Terminus
Cobe Road	2055	Buried																													Buried - Could not open
Cobe Road	2060	Buried																													Buried - Could not open
Cobe Road	2065	Buried																													Buried - Could not open
Bluff Road	2070	Could Not Open																													Could Not Open Manhole
Shore Road	3000	24	Standard	Precast	Concrete	Eccentric	Concrete	Brick	Full	7.75	10	PVC	6.50	4	PVC		3.75	4	PVC						10/28/2024	na					
Shore Road	3010	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	6.83	8	PVC	6.75	8	PVC										10/28/2024	cb					Cover is cracked
Shore Road	3015	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	6	4	PVC	5.67	8	PVC										10/28/2024	id					Debris in invert channel
Shore Road	3105	Could Not Open																													Could Not Open Manhole, Rain Dish installed under riser ring
Shore Road	3110	24	Standard	Brick	Concrete	Eccentric	Concrete	Concrete	Full	6.875	8	PVC	6.79	8	PVC										10/28/2024	rr					Riser brick is deteriorated, Cover and Ring are stuck together
Shore Road	3115	Buried	Flat top	Unknown	None	N	Concrete																								Info from CCTV of Main. Appears to be flat top manhole with no cone or riser. Pipe invert is cutopen pipe
Shore Road	3120	24	Standard	Brick/Pre	Concrete	Eccentric	Concrete	Concrete	Full	6.92	8	PVC	6.50	8	PVC		6.58	8	PVC						10/28/2024	rl	id				Riser Leak, Debris in invert channel
Shore Road	3125	24	Standard	Precast	Concrete		Concrete	Concrete	Full	3.67	8	PVC	3.50	8	PVC										10/28/2024	id					Debris in invert channel, Evidence of Water Intrusion
Cross Country	3130	24	Standard	Precast	None		Concrete	Concrete	Full	3.58	8	PVC	3.50	8	PVC										11/13/2024	id	rl				Debris in invert channel, Evidence of Water Intrusion, riser seal dmge
Cross Country	3135	24	Standard	Precast	None		Concrete	Concrete	Full	5.08	8	PVC	5.08	8	PVC										11/13/2024	rr	rl	id	vg		No Seal around riser or cone, water intrusion, debris, vegetation present
Cross Country	3145	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	4.5	8	PVC	4.42	8	PVC		4.42	8	PVC						11/13/2024	id	bl	cl			Debris in invert channel, water intrusion around base of cone
Island View	3200	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	4.17	8	PVC	4.25	8	PVC										11/13/2024	id					Debris in invert channel
Island View	3205	24	Standard	None	Concrete	Eccentric	Concrete	Concrete	Full	4.25	8	PVC	4.33	8	PVC										11/13/2024	ir	og	ig	id		Invert, inlet, & outlet degraded & breaking, Debris
Island View	3210	Could Not Find																													Could Not Find Manhole
Shore Road	??	24	Standard	Precast	Concrete	Eccentric	Concrete	Concrete	Full	9.25	8	PVC	9.17	8	PVC										10/28/2024	bk					Possible Blockage, Little to No Flow with Standing Water
Shore Road	3105A	Could Not Open																													Could Not Open Manhole, Rain Dish installed under riser ring
Kelly Cove Lane	3155A	Could Not Find																													Could Not Find Manhole
Kelly Cove Lane	3155B	Could Not Find																													Could Not Find Manhole

Appendix 3 – Critical Assets Inventory

Northport Village Corporation

2026 Wastewater System Asset Inventory

Critical Asset Inventory

More Informaiton needed educated guess

Wastewater Treatment Plant

Treatment Train

Assets	Capacity / Size	Specifics	Manufacturer	Year Installed	Useful Life	Year to Replace	Remaining Useful life
Influent Flow Structure	6" Dia Manhole	Distributed flow to Trreatment Trains	Unkown	1988	100	2088	62
Treatment Train #1	93,000 gallon	4 @ 7750 gallon septic tanks total volume 93,000 gallon	Unkown	1988	75	2063	37
Manhole covers	24" cast iron	Access point	Unkown	2011	25	2036	10
Treatment Train #2	93,000 gallon	4 @ 7750 gallon septic tanks total volume 93,000 gallon	Unkown	1988	75	2063	37
Manhole covers	24" cast iron	Access point	Unkown	2011	25	2036	10
Treatment Train #3	93,000 gallon	4 @ 7750 gallon septic tanks total volume 93,000 gallon	Unkown	1988	75	2063	37
Manhole covers	24" cast iron	Access point	Unkown	2011	25	2036	10
Outlet/Chlorination Structure	6" Dia Manhole	Precast Concrete	Unkown	1988	100	2088	62
Yard valves	4" & 8"	Ductile Iron	Unknown	1988	75	2063	37
Yard piping	4" & 8"	PVC	Unknown	1988	75	2063	37

Chlorine/Control Building

Assets	Capacity / Size	Specifics	Manufacturer	Year Installed	Useful Life	Year to Replace	Remaining Useful life
Building	9 x 12	Wood frames with shingle roof and cedar shingles	N/A	2020	75	2095	69
Doors	5'-0" x 6'-8"	insulated steel door	Steel Craft	2020	25	2045	19
Bulk storage tank	500 gallon	dual wall chemical storage tank	Snyder Industries	2020	25	2045	19
bulk storage tank level sensor		LU 150	Sitrans	2020	20	2040	14
Bulk Storage Tank Leak sensor	275-1500 gal tank	Part number 34702756	Snyder Industries	2020	20	2040	14
Emergency low chemical level	Normally open	3M-RED-40-T	GEMS	2020	20	2040	14
Chlorine dosing pump x2	44 GPD	Pulsatron MP Series Pump	Pulsatron	2020	5	2025	-1
Heat	Propane unit heater			2020	25	2045	19
Exhaust Fan	18 x 18	Model SWF-200	Soler & Palau	2020	25	2045	19

Control panel

Control Panel	36" x 42"	Main Control Panel	Stultz	2020	25	2045	19
Control Panel Components	7" HMI	HMI5070DL	Maple Systems	2020	25	2045	19

Disinfection System

Northport Village Corporation

2026 Wastewater System Asset Inventory

Critical Asset Inventory							
Assets	**Capacity / Size**	**Specifics**	**Manufacturer**	**Year Installed**	**Useful Life**	**Year to Replace**	**Remaining Useful life**
Chlorine Contact Tank	16 x 22	Precast Concrete		1988	75	2063	37
Dechlor Manhole	6' Dia Manhole	Precast Concrete		1990	75	2065	39
Dechlor Equipment	Unknown	Sodium Bisulfate tablets	Unknown	2019	30	2049	23
Outfall							
Outfall Manhole	6' Dia Manhole	Outfall structure		1988	100	2088	62
Outfall Pipe	600' of 12" HDPE	Gravity outfall pipe		2011	80	2091	65
Sampling/Testing/Monitoring							
Assets	**Capacity / Size**	**Specifics**	**Manufacturer**	**Year Installed**	**Useful Life**	**Year to Replace**	**Remaining Useful life**
Effluent Composite Sampler		Glacier Tansportable Sampler	Teledyne ISCO	2016	10	2026	0
Effluent Flow Meter	12"	Staff Gauge	Unknown	2020	25	2045	19
Generator							
Back up Generator	13 KW 1Ø, 60hz	LP Fired Model # 7173 13KW	Generac	2020	25	2045	19
Automatic Transfer Switch	13 KW 1Ø, 60hz 100 amp	100amp NEMA 1, Model RTG24SHA1	Generac	2020	25	2045	19
Site							
Access Drive & Parking		Paved		1988	30	2018	-8
Chem building access area		Gravel		1988	30	2018	-8
Pump Station							
Shore Road PS							
Assets	**Capacity / Size**	**Specifics**	**Manufacturer**	**Year Installed**	**Useful Life**	**Year to Replace**	**Remaining Useful life**
Mechanical							
Pump No. 1	7.5 HP	Submersible	Myers	1988	25	2013	-13
Pump No. 2	7.5 HP	Submersible	Myers	1988	25	2013	-13
Pump Spare							
Slide Rails and Base		Stainless Steel		1988	25	2013	-13
Check Valve 1	4"	Swing Check W/ Level and Weight		1988	25	2013	-13
Check Valve 2	4"	Swing Check W/ Level and Weight		1988	25	2013	-13
Flow Meter	4"	Magnetic Flow Meter	Siemens	1988	25	2013	-13
Gate Valve 1 buried	4"	MJ Gate		1988	80	2068	42
Gate Valve 2 buried	4"	MJ Gate		1988	80	2068	42
Wet Well piping	4"	DI		1988	25	2013	-13
Hatch		Aluminum		1988	40	2028	2
Electrical							
Motor Starter pump 1	Motor Starter	Hard Start		1988	25	2013	-13
Motor Starter pump #2	Motor Starter	Hard Start		1988	25	2013	-13

Northport Village Corporation

2026 Wastewater System Asset Inventory

Critical Asset Inventory							
electrical general	460V 3 phase, 200 A Entrance			1988	25	2013	-13
Level Indicating Device(s)	NO DC Volt	Floats		1988	25	2013	-13
Telemetry		Direct Wired to WWTP Controls		1988	20	2008	-18
Control Panel	460V 3 phase			1988	25	2013	-13
Generator							
Back up Generator	15 KW 3Ø, 60hz	Diesel Fired Model # 15 JC L16581B	Onan	1988	30	2018	-8
Automatic Transfer Switch	15 KW 3Ø, 60hz 125 amp	120/208	Onan	1988	30	2018	-8
Concrete Structures							
Wetwell	8' Dia x 29' Deep	Precast		1988	100	2088	62
Building / Shelters							
Assets	**Capacity / Size**	**Specifics**	**Manufacturer**	**Year Installed**	**Useful Life**	**Year to Replace**	**Remaining Useful life**
Building	10x12 built on a slab on grade	Wood framed building	Unknown	1988	50	2038	12
Roof Structure		Wood Framed		1988	30	2018	-8
Roof Covering		Asphalf shingle		1988	25	2013	-13
Force Main							
Force Main	4" x 701'	DI		1988	80	2068	42
Sewer Mains							
All Mains In town							
Assets	**Material / Size**	**Specifics**		**Year Installed**	**Useful Life**	**Year to Replace**	**Remaining Useful life**
Sewer Mains	PVC/8"	SHORE ROAD MH3125 TO MH3115		1976	100	2076	50
Sewer Mains	PVC/8" & 10"	SHORE ROAD MH3120 TO MH3115		1988	100	2088	62
Sewer Mains	PVC/8"	SHORE ROAD MH2045 TO MH2040		1988	100	2088	62
Sewer Mains	PVC/8"	SHORE ROAD MH2035 TO MH3000		2003	100	2103	77
Sewer Mains	PVC/8"	COBE ROAD MH2055 TO MH2070		2012	100	2112	86
Sewer Mains	VC/6"	GEORGE ST MH to MH2030		1951	100	2051	25
Sewer Mains	PVC/8"	GEORGE ST MH1307 to MH1305		2003	100	2103	77
Sewer Mains	PVC/6"	GEORGE ST MH to MH1205		2003	100	2103	77
Sewer Mains	PVC/4"	GEORGE ST MH to MH		1976	100	2076	50
Sewer Mains	HDPE/4"	GEORGE ST MH to MH		1976	100	2076	50
Sewer Mains	PVC/6"	ROGER LANE MH2032 TO MH2030		1976	100	2076	50
Sewer Mains	PVC/8"	BAY STREET MH2015 to MH2010		1976	100	2076	50
Sewer Mains	PVC/8"	SEA STREET MH2017 to MH2015		1976	100	2076	50
Sewer Mains	PVC/6"	OAK STREET MH to MH		1976	100	2076	50
Sewer Mains	PVC6"	OAK STREET MH1100 to MH1105		1976	100	2076	50
Sewer Mains	PVC/8"	OAK STREET MH1105 to MH1100		2003	100	2103	77
Sewer Mains	PVC8"	MAPLE STREET MH2003 to MH2002		2016	100	2116	90
Sewer Mains	VC/4"	MAPLE STREET MH to MH2003		1951	100	2051	25
Sewer Mains	PVC/8"	MAIN STREET MH1200 to MH1215		2003	100	2103	77
Sewer Mains	PVC/8"	GRIFFIN ST MH 1110 to MH1305		2003	100	2103	77
Sewer Mains	PVC/6"	GRIFFIN ST MH to MH		1976	100	2076	50

Northport Village Corporation

2026 Wastewater System Asset Inventory

Critical Asset Inventory						
Sewer Mains	PVC/8"	BROADWAY ST MH1110 to MH1130	2003	100	2103	77
Sewer Mains	PVC/8"	BROADWAY ST MH to MH1130	1976	100	2076	50
Sewer Mains	PVC/8"	PARK ROW MH1014 to MH1012	2003	100	2103	77
Sewer Mains	PVC/10"	PARK ROW MH1010 to MH1005	1988	100	2088	62
Sewer Mains	PVC/10"	PARK ROW MH1012 to MH1010	1976	100	2076	50
Sewer Mains	VC/8"	PARK ROW MH1015 to MH1012	1951	100	2051	25
Sewer Mains	PVC/6"	WEST & PLEASANT ST MH to MH1115	1976	100	2076	50
Sewer Mains	VC/6"	CLINTON AVENUE	1951	100	2051	25
Sewer Mains	PVC/8"	CLINTON AVENUE MH to MH1125	1976	100	2076	50
Sewer Mains	PVC/4"	CLINTON AVENUE	1976	100	2076	50
Sewer Mains	HDPE/8"	NORTH AVENUE MH TO MH1035	1976	100	2076	50
Sewer Mains	VC/6"	AUDITORIUM PARK MH to MH1025	1951	100	2051	25
Sewer Mains	AC/8"	AUDITORIUM PARK MH1025 to MH1020	1951	100	2051	25
Sewer Mains	PVC/4"	BLUFF ROAD	1976	100	2076	50
Sewer Mains	PVC/6"	BLUFF ROAD	1976	100	2076	50
Sewer Mains	PVC/8"	BLUFF ROAD MH to MH 2070	2012	100	2112	86
Sewer Mains	VC/6"	LINE BROADWAY TO PLEASANT	1951	100	2051	25
Sewer Mains	PVC/8"	KELLY COVE LANE MH3130 to MH3155B	1976	100	2076	50
Sewer Mains	PVC/6"	RUGGLES PARK MH2000 to MH1000	1988	100	2088	62
Sewer Mains	PVC/8"	RUGGLES PARK MH2005 to MH2000	1988	100	2088	62
Sewer Mains	PVC/6"	RUGGLES PARK MH2002 to MH2001	1976	100	2076	50
Sewer Mains	VC/4"	WATER PLANT	1951	100	2051	25
Sewer Mains	HDPE/6"	PLEASANT LANE	1976	100	2076	50
Sewer Mains	PVC/8"	X-CNTY to RUGGLES MH 2010 to MH2005	1976	100	2076	50
Sewer Mains	PVC/8" & 10"	Bayview St MH2015 to MH 2020	1976	100	2076	50
Sewer Mains	PVC/6"	Bayview St MH2022 to MH 2020	1976	100	2076	50
Sewer Mains	PVC/6"	X-CNTY to Bayview MH to MH2022	1976	100	2076	50
Sewer Mains	PVC/8"	X-CNTY to Bayview MH2030 to MH2022	1988	100	2088	62
Sewer Mains	HDPE/4"	OFF SHORE RD MH to 3000	1976	100	2076	50
Sewer Mains	PVC/6"	GROVE ST MH to MH 1126	1976	100	2076	50
Sewer Mains	PVC/8"	X-CNTY Clinton to AUDITORIUM	1976	100	2076	50
Sewer Mains	PVC/6"	TO BAYVIEW	1976	100	2076	50
Sewer Mains	PVC/6"	BROADWAY TO PLEASANT	1976	100	2076	50
Sewer Mains	PVC/10"	PARK ROW MH 1005 to MH1000	1988	100	2088	62
Sewer Mains	PVC/8"	Island View Rd to Kelly Cove LN	1976	100	2076	50
Sewer Mains	PVC/8"	Island View RD MH3200 to MH3210	1976	100	2076	50
Sewer Mains	PVC/8"	kelly Cove Lane to Shore Rd	1976	100	2076	50
Sewer Mains	VC/8"	OFF PARK ROW MH1020 to MH1015	1951	100	2051	25

Appendix 4 – Critical Assets Evaluation & Prioritization

Northport Vilage Corporation

2026 Wastewater System Critical Asset Evaluation

Critical Assets Evaluation

Wastewater Treatment Plant									
Treatment Train									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Manhole covers Train #1	Good	7	5	5	2	6	18	126	$ 20,000
Manhole covers Train #2	Good	7	5	5	2	6	18	126	$ 20,000
Manhole covers Train #3	Good	7	5	5	2	6	18	126	$ 20,000
								Subtotal	**$ 60,000**
Treatment Train #1	Good	1	5	5	6	6	22	22	$ 500,000
Treatment Train #2	Good	1	5	5	6	6	22	22	$ 500,000
Treatment Train #3	Good	1	5	5	6	6	22	22	$ 500,000
Yard Pipiing	Good	1	5	5	4	6	20	20	$ 100,000
Influent Flow Structure	Good	1	5	5	2	6	18	18	$ 50,000
Outlet/Chlorination Structure	Good	1	5	5	2	6	18	18	$ 50,000
Yard valves	Good	1	5	5	2	6	18	18	$ 20,000
								Subtotal	**$ 1,720,000**
								Total Operations Building Related	**$ 1,780,000**
Chlorine Control Building									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Chlorine dosing pump x2	Good	10	5	5	2	6	18	180	$ 15,000
								Subtotal	$ 15,000
bulk storage tank level sensor	Good	6	5	5	2	6	18	108	$ 15,000
Bulk Storage Tank Leak sensor	Good	6	5	5	1	6	17	102	$ 4,500
Emergency low chemical level	Good	6	5	5	1	6	17	102	$ 4,500
								Subtotal	**$ 24,000**
Doors	Good	5	5	5	2	6	18	90	$ 15,000
Bulk storage tank	Good	5	5	5	2	6	18	90	$ 10,000
Heat	Good	5	5	5	2	6	18	90	$ 10,000
Exhaust Fan	Good	5	5	5	2	6	18	90	$ 10,000
								Subtotal	**$ 45,000**
Building	Good	1	5	5	6	6	22	22	$ 350,000
								Subtotal	**$ 350,000**
								Total Operations Building Garage Related	**$ 389,000**
Control Panel									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost

Control Panel	Good	5	5	5	3	6	19	95	$ 10,000
Control Panel Components	Good	5	5	5	3	6	19	95	$ 100,000
								Subtotal	**$ 110,000**
								Total Control Panel Related	**$ 110,000**
Disinfection System									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Dechlor Equipment	Poor	4	5	5	1	6	17	68	$ 10,000
								Subtotal	**$ 10,000**
Chlorine Contact Tank	**Fair**	**1**	**5**	**5**	**6**	**6**	**22**	**22**	**$ 350,000**
Dechlor Manhole	Poor	1	5	5	2	6	18	18	$ 20,000
								Subtotal	**$ 350,000**
								Total Chlorine Building Related	**$ 360,000**
Outfall									
Outfall Manhole	Good	1	5	5	2	6	18	18	$ 50,000
Outfall Pipe	Good	1	5	5	6	6	22	22	$ 500,000
								Total Outfall Related	**$ 550,000**
Sampling/Testing/Monitoring									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Effluent Composite Sampler	Fair	10	5	5	2	6	18	180	$ 50,000
								Subtotal	**$ 50,000**
Effluent Flow Meter	Good	5	5	5	2	6	18	90	$ 50,000
								Subtotal	**$ 50,000**
								Total Sampling/Testing/Monitoring/Controls Related	**$ 100,000**
Generator									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Back up Generator	Good	5	5	5	5	6	21	105	$ 150,000
								Subtotal	**$ 150,000**
Automatic Transfer Switch	Good	5	5	5	2	6	18	90	$ 50,000
								Subtotal	**$ 50,000**
								Total Disinfection Related	**$ 200,000**
Site									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
Access Drive & Parking	Poor	10	5	5	2	6	18	180	$ 50,000
hem building access are	Poor	10	5	5	1	6	17	170	$ 15,000

								Subtotal	**$ 65,000**
								Total Site Related	**$ 65,000**
Wastewater Treatment Plant and Equipment Summary									
								High Priority	**$ 140,000**
								Medium Priority	**#REF!**
								Low Priority	**$ 255,000**
								Lowest Priority	**$ 2,970,000**
								Total WWTP & Equipment	**#REF!**

Pump Station									
Shore Road Pump Station									
Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
electrical general	obsolete	10	5	5	4	5	19	190	$ 200,000.00
Back up Generator	antiquated	10	5	5	4	5	19	190	$ 120,000.00
Control Panel	Antiquated	10	5	5	4	5	19	190	$ 150,000.00
Pump No. 1	Unknown	10	5	5	3	5	18	180	$ 25,000.00
Pump No. 2	Unknown	10	5	5	3	5	18	180	$ 25,000.00
Slide Rails and Base	Fair	10	5	5	2	5	17	170	$ 20,000.00
Motor Starter / VFD 1	Unknown	10	5	5	2	5	17	170	$ 10,000.00
Motor Starter / VFD 2	Unknown	10	5	5	2	5	17	170	$ 10,000.00
Automatic Transfer Switch	antiquated	10	5	5	2	5	17	170	$ 15,000.00
Check Valve 1 (in Wet Well)	Fair	10	5	5	1	5	16	160	$ 6,500.00
Check Valve 2 (in Wet Well)	Fair	10	5	5	1	5	16	160	$ 6,500.00
Level Indicating Device(s)	fair	10	5	5	1	5	16	160	$ 10,000.00
Gate Valve 1 (in Wet Well)	Fair	9	5	5	2	5	17	153	$ 12,000.00
Gate Valve 2 (in Wet Well)	Fair	9	5	5	2	5	17	153	$ 12,000.00
Roof Covering	good	10	5	5	2	5	17	170	$ 10,000.00
								Subtotal	**$ 622,000.00**
Hatch	Fair	9	5	5	1	5	16	144	$ 5,000.00
Telemetry	Antiquated	9	5	5	1	5	16	144	$ 10,000.00
Roof Structure	Fair	6	5	5	3	5	18	108	$ 35,000.00
								Subtotal	**$ 50,000.00**
Flow Meter	New	5	5	5	1	5	16	80	$ 6,000.00
								Subtotal	**$ 6,000.00**
Wetwell	Fair	1	5	5	5	5	20	20	$ 100,000.00
Building	Fair	1	5	5	5	5	20	20	$ 200,000.00
Wetwell Pipping	Good	1	5	5	3	5	18	18	$ 25,000.00
Force Main	Unknown	1	5	5	3	5	18	18	$ 30,000.00
								Subtotal	**$ 355,000.00**
								Pump Station & Force Main Subtotal	**$ 1,033,000.00**

Pump Station Summary	
High Priority	**$ 622,000**
Medium Priority	**$ 50,000**
Low Priority	**$ 6,000**
Lowest Priority	**$ 355,000**
Total Pump Station & Force Main	**$ 1,033,000**

Sewermains

Sewermains

Assets	Condition	POF	Criticality	Land use	Cost	Demand	AIS	ROF	Est. Replacement Cost
MAPLE STREET MH to MH2003	Poor	10	3	1	4	4	12	120	$ 152,460.00
								Subtotal	$ 152,460.00
LINE BROADWAY TO PLEASANT	Poor	10	3	1	2	4	10	100	$ 38,115.00
OFF PARK ROW MH1020 to MH1015	Poor	10	3	1	2	4	10	100	$ 28,710.00
								Subtotal	**$ 66,825.00**
KELLY COVE LANE MH3130 to MH3155B	Fair	2	3	1	6	4	14	28	$ 464,805.00
GRIFFIN ST MH to MH	Fair	2	3	1	5	4	13	26	$ 280,170.00
WEST & PLEASANT ST MH to MH1115	Fair	2	3	1	5	4	13	26	$ 280,170.00
Island View Rd to Kelly Cove LN	Fair	2	3	1	5	4	13	26	$ 257,400.00
SHORE ROAD MH3125 TO MH3115	Fair	2	3	1	5	4	13	26	$ 231,660.00
WATER PLANT	Fair	2	3	1	5	4	13	26	$ 227,205.00
CLINTON AVENUE	Fair	2	3	1	5	4	13	26	$ 225,720.00
NORTH AVENUE MH TO MH1035	Fair	2	3	1	4	4	12	24	$ 194,040.00
Island View RD MH3200 to MH3210	Fair	2	3	1	4	4	12	24	$ 175,230.00
SEA STREET MH2017 to MH2015	Fair	2	3	1	4	4	12	24	$ 171,765.00
CLINTON AVENUE MH to MH1125	Fair	2	3	1	4	4	12	24	$ 169,785.00
GROVE ST MH to MH 1126	Fair	2	3	1	4	4	12	24	$ 154,935.00
PLEASANT LANE	Fair	2	3	1		4	8	16	$ 146,520.00
OAK STREET MH to MH	Fair	2	3	1	4	4	12	24	$ 138,105.00
BROADWAY ST MH to MH1130	Fair	2	3	1	4	4	12	24	$ 112,860.00
RUGGLES PARK MH2002 to MH2001	Fair	2	3	1	4	4	12	24	$ 110,880.00
Bayview St MH2015 to MH 2020	Fair	2	3	1	3	4	11	22	$ 99,990.00
BAY STREET MH2015 to MH2010	Fair	2	3	1	3	4	11	22	$ 93,555.00

OAK STREET MH1100 to MH1105	Fair	2	3	1	3	4	11	22	$ 87,120.00
X-CNTY to RUGGLES MH 2010 to MH2005	Fair	2	3	1	3	4	11	22	$ 85,635.00
AUDITORIUM PARK MH1025 to MH1020	Fair	2	3	1	3	4	11	22	$ 74,250.00
kelly Cove Lane to Shore Rd	Fair	2	3	1	3	4	11	22	$ 72,765.00
ROGER LANE MH2032 TO MH2030	Fair	2	3	1	3	4	11	22	$ 72,720.00
PARK ROW MH1010 to MH1005	Fair	2	3	1	3	4	11	22	$ 70,290.00
X-CNTY to Bayview MH to MH2022	Fair	2	3	1	3	4	11	22	$ 69,300.00
OFF SHORE RD MH to 3000	Fair	2	3	1	3	4	11	22	$ 65,340.00
PARK ROW MH1012 to MH1010	Fair	2	3	1	3	4	11	22	$ 58,905.00
BLUFF ROAD	Fair	2	3	1	3	4	11	22	$ 52,470.00
AUDITORIUM PARK MH to MH1025	Fair	2	3	1	2	4	10	20	$ 49,500.00
GEORGE ST MH to MH2030	Poor	2	3	1	2	4	10	20	$ 43,560.00
BLUFF ROAD	Fair	2	3	1	2	4	10	20	$ 45,540.00
GEORGE ST MH to MH	Fair	2	3	1	2	4	10	20	$ 32,175.00
Bayview St MH2022 to MH 2020	Fair	2	3	1	2	4	10	20	$ 30,195.00
X-CNTY Clinton to AUDITORIUM	Fair	2	3	1	2	4	10	20	$ 28,710.00
TO BAYVIEW	Fair	2	3	1	2	4	10	20	$ 26,730.00
GEORGE ST MH to MH	Fair	2	3	1	2	4	10	20	$ 15,345.00
BROADWAY TO PLEASANT	Fair	2	3	1	2	4	10	20	$ 11,880.00
								Subtotal rating of POF 2	**$ 4,527,225.00**
MAIN STREET MH1200 to MH1215	Good	1	3	1	6	4	14	14	$ 519,750.00
SHORE ROAD MH2035 TO MH3000	Good	1	3	1	6	4	14	14	$ 449,496.00
COBE ROAD MH2055 TO MH2070	Good	1	3	1	6	4	14	14	$ 398,475.00
BROADWAY ST MH1110 to MH1130	Good	1	3	1	6	4	14	14	$ 323,730.00
SHORE ROAD MH3120 TO MH3115	Good	1	3	1	5	4	13	13	$ 246,510.00
GRIFFIN ST MH 1110 to MH1305	Good	1	3	1	5	4	13	13	$ 204,930.00
PARK ROW MH1014 to MH1012	Good	1	3	1	4	4	12	12	$ 140,085.00
X-CNTY to Bayview MH2030 to MH2022	Good	1	3	1	4	4	12	12	$ 135,630.00
MAPLE STREET MH2003 to MH2002	Good	1	3	1	4	4	12	12	$ 110,880.00

GEORGE ST MH to MH1205	Good	1	3	1	3	4	11	11	$ 71,775.00
CLINTON AVENUE	Poor	1	3	1	3	4	11	11	$ 81,675.00
BLUFF ROAD MH to MH 2070	Good	1	3	1	3	4	11	11	$ 56,925.00
SHORE ROAD MH2045 TO MH2040	Good	1	3	1	3	4	11	11	$ 53,460.00
RUGGLES PARK MH2000 to MH1000	Good	1	3	1	2	4	10	10	$ 46,035.00
GEORGE ST MH1307 to MH1305	Good	1	3	1	2	4	10	10	$ 44,055.00
PARK ROW MH 1005 to MH1000	Good	1	3	1	2	4	10	10	$ 36,185.00
RUGGLES PARK MH2005 to MH2000	Good	1	3	1	2	4	10	10	$ 24,750.00
PARK ROW MH1015 to MH1012	Poor	1	3	1	1	4	9	9	$ 9,900.00
								Subtotal rating of POF 1	**$ 2,954,246.00**
								SewerMains subtotal	**$ 7,700,756.00**

Sewermain Summary	
High Priority	**$ -**
Medium Priority	**$ 152,460**
Low Priority	**$ 66,825**
Lowest Priority	**$ 7,481,471**
Total Sewermains	**$ 7,700,756**

Appendix 5 – 20-Year Capital Improvements Plan

Northport Village Corporation

20-Year Capital Improvements Plan (in 2026 dollars)

Project	Description/Need	Recommended Time Frame			
		2026-2030	2031-2035	2036-2040	2041-2045
Wastewater Treatment					
Chlorine Building & Disinfection	Replace doors				$ 15,000
	Replace Exhaust Fan				$ 10,000
	Heater				$ 10,000
	Chemical Storage				$ 10,000
	Replace chemical storage electronics			$ 24,000	
	Replace Dechlorinaiton equipment	$ 10,000			
	Replace Chemical feed pump and appurtenances	$ 15,000	$ 15,000	$ 1,500	$ 15,000
Sampling, Testing, Monitoring, & Controls	Upgrade Electrical, Controls, SCADA				$ 110,000
	Replace effluent composite sampler	$ 15,000			
	Replace Effluent Flow Meter				$ 50,000
Site	Replace influent Manhole			$ 50,000	
	Replace Chlorination manhole			$ 50,000	
	Redo driveway	$ 65,000			
Treatment	Replace Trreatment Train #1			$ 500,000	
	Replace Trreatment Train #2			$ 500,000	
	Replace Trreatment Train #3				$ 500,000
Generator	Replace generator & ATS				$ 200,000
	Subtotal WWTP	**$ 105,000**	**$ 15,000**	**$ 1,125,500**	**$ 920,000**

Northport Village Corporation

20-Year Capital Improvements Plan (in 2026 dollars)

Project	Description/Need	Recommended Time Frame			
		2026-2030	2031-2035	2036-2040	2041-2045
Pump Station					
Shore Road PS					
Pump Station Upgrade	Renew pump station		$ 152,000		
	Replace Control Panel		$ 150,000		
	Replace Electrical Service		$ 200,000		
	Replace generator & ATS		$ 120,000		
	Replace Roof		$ 10,000		
	Install bypass assembly		$ 10,000		
Subtotal		**$ -**	**$ 642,000**	**$ -**	**$ -**
Sewermains					
Sewermains					
Sewermains	Maple Street MH to MH 2003 pipe (VC)	$ 152,460			
	Park ROW MH1015 to MH1012 pipe (VC)	$ 9,900			
	Clinton Ave Pipe (VC)	$ 225,720			
	Auditorium Park MH to MH 1025 pipe (VC)	$ 49,500			
	Auditorium Park MH 1025 to MH1020 (AC)	$ 74,250			
	Line Broadway to Pleasant (VC)	$ 38,115			
	Water Plant (VC)	$ 227,205			
	Off Park ROW MH1020 to MH1015 pipe (VC)	$ 28,710			
Subtotal		**$ 805,860**	**$ -**	**$ -**	**$ -**
Total Estimated CIP Costs		**$ 910,860**	**$ 657,000**	**$ 1,125,500**	**$ 920,000**
Total Estimated 20-Year Costs		**3,613,360**			

Appendix 6 – Sewer System Map

Legend

Sewer Pump Station
- Pump Station

Sewer Manholes
- Manhole

Sewer Mains
- 4"
- 6"
- 8"
- 10"
- 12"

Sewer Forcemain
- 2" Force Main
- 3" Force Main
- 4" Force Main

0 200 400 800 1,200 1,600
Feet

NORTHPORT VILLAGE CORPORATION
SEWER SYSTEM MAP
2023

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