The Utilities Committee will meet in a regularly scheduled monthly meeting on

Friday, November 22th, 2024 at 2:30PM.

The meeting will be held in Community Hall (downstairs) and online via Zoom.

The public is invited to attend.

The agenda for each meeting follows a standard structure:

1. CALL TO ORDER
2. APPROVE MINUTES
3. SUPERINTENDENT'S REPORT
4. FINANCIAL REVIEW
5. OTHER BUSINESS.

The Utilities Department monthly reports and other materials provided to the committee in advance of the meeting are included with this agenda.

To join a Utilities Committee meeting via Zoom please click here.

Meeting ID: 829 6150 8196

Passcode: 912998

To dial-in via audio: Find your local number: https://us02web.zoom.us/u/kkH7fyLYG

NOTE: The Utilities Committee meets on the third Friday of each month – generally the Friday after the regularly scheduled monthly meeting of the Board of Overseers.

NVC Utilities Committee
Trust Meeting
Community Hall and by Zoom link
Friday, October 18, 2024, 2:30 P.M.

Trustees Present: Jeffrey Wilt - Chairman, David Crofoot - member emeritus
Trustees Via Zoom: Judy Metcalf, Elaine Moss, Casey Brown
Officers: Wendy Huntoon - Treasurer
Staff: Chuck Applebee, Bill Paige, Trish Parker

The October 2024 meeting of the NVC Utilities Trustees convened at 2:30, Utilities chair, Jeffrey Wilt called the meeting to order.

Community Comments: Comments were emailed by Rachel Rosa. Rachel also asked for the board to look at the entire exposure picture in regards to the moratorium.

Approval of Minutes:
Judy Metcalf made a motion to approve the September meeting minutes as written. Elaine Moss seconded. The motion passed unanimously.

Superintendent Report:

1. Moore's Septic pumped first 2 tanks on each train Mar. 27th, 2024, and all tanks on 6/28/24.
2. Moore's is scheduled for pumping on Oct. 25th, 2024
3. EPA renewal application was submitted on 11/29/23
4. There was 1.13 inches of rain in September
5. Influent Loading Testing and before chemical addition study continues
    a. Some high influent BODs have been recorded as high as 800 mg/l
    b. It is common for the influent weir to become clogged limiting the flow to one or two trains
    c. The study should conclude in October and a draft report should be available for the November meeting.
    d. Dirigo Engineering and RECAP will proceed with the collection system
    e. The FSP and CAP Grant application was submitted to the MMBB on 9/29/24

Financials:
Judy Metcalf made a motion to approve the 2025 Sewer Budget. Elaine Moss seconded the motion. The motion passed unanimously.

Other Business:
The Treasurer, Wendy Huntoon, spoke about the 2022 audit and the commencement of the 2023 audit

Community Comments: None

Adjourned at 3:34pm

The next meeting of the Trustees is a **October 18, 2:30 p.m.**, Community Hall and on-line (https://us02web.zoom.us/j/82961508196?pwd=ekpzTllZcml3cnJEZmlHRmlwR3ZSZz09)
The meeting adjourned at 3:59 p.m.
Respectfully submitted,
Trish Parker
NVC Office Manager

Northport Village Corporation

NVC Office Manager <officemanager@nvcmaine.org>

NVC Utilities

1 message

Rachel Rosa <rachelr@maine.edu> Fri, Oct 18, 2024 at 7:59 AM
To: Jeffrey Wilt <jwilt@nvcmaine.org>, Chuck Applebee <chuck@waterqualityme.com>, NVC Office Manager <officemanager@nvcmaine.org>
Cc: Rachel Rosa <Rachelr@maine.edu>

Good Morning Everyone

I think there is a typo on last months Superintendents' report. It says that there was a 440,660 gal per day discharge in June. That number is also in the draft minutes. Or is this possibly the result of the inaccurate flow meter?

Chuck you are very good at explaining how the treatment plant operates. Jeffrey, I think it would be helpful if he could explain the relationship between BOD, TSS, and the sludge that is pumped and hauled away. This is relevant since you have noted that pumping more and more often may be the answer to the exceedences. For the benefit of the "public" and new members of the Committee.

Chuck also noted that they would start camering the sewer lines. Could he explain what they are looking for.

The September minutes reflect that Chuck was asked to engage RCAP for the sewer rate assessment. He mentioned that the project would be delayed. Could I ask that the rationale for the delay be clarified. My concern is that the Assessment be concluded and final information is available to the Committee well ahead of the next budget process, 2026.

Moratorium - At the last special meeting Judy asked if Bill could determine how many sewer connections are installed but not yet active. Are the pending connections included in the 245/246 that are counted now in determining how close the Utility is to the license maximum?

These are questions that delivered as public comment might not be addressed.

Thank you.

Rachel Rosa

Nov. 17, 2024

Utility Department Monthly Operating Report
Sewer Department

October 2024 Effluent Monitoring Data

During the operating period of October 2024 there were two exceedances related to the enterococci test result of 2053 colonies per 100 ml sample taken on October 10th . See performance table below for further details of the regulatory monitoring data, for the month of October 2024.

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

WWTP Monthly Performance Table

Parameters	Oct.	Sept.	Aug.	YTD Low	YTD Hi	YTD	2023	DEP Limit	YTD Exceed-acnes
Flow GPD Avg	8800	10602	18801	7748	43915	20210	20449	63,000	0
Precip inches	1.51	1.13	4.33	1.01	10	3.4	n/a	n/a	0
TSS lbs/min	1	2	4	0.4	4	1.57	1.36	<76	0
TSS lbs max	3	4	10	0.7	10	3.4	3.09	report	0
TSS mg/l ave	18	3	40	3.0	40	15.9	10.6	<145	0
TSS mg/l max	26	44	64	7.7	64	24.4	12.9	report	0
TSS % removal	93.8	87.6	86.2	86.2	97.9	93.4	96.1	>50	0
BOD lbs/min	0.3	9	16	0.3	16	10.7	19.7	<107	0
BOD lbs max	13	17	34	12.3	190	45.7	65.6	report	0
BOD mg/l ave	110	159	174	110	248	173.6	178	<203	2
BOD mg/l max	153	180	205	153	360	248.5	259.1	report	0
BOD % removal	62	45	40	14.4	62	40.3	39.4	>30	2
pH low	6.7	6.8	6.8	6.6	6.8	6.7	6.7	>6.0	0
pH high	7.0	7.1	7.1	6.9	7.1	6.9	6.9	<9.0	0
St solids ml/l	0.1	0.1	0.1	0.1	0.1	0.1	0.1	report	0
TRC mg/l max	0.03	0.02	0.03	0.02	0.05	0.05	0.066	<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	11	<4	<4	<4	11	<5	108	<8	0
Entero cfu max	2053	<4	<4	<4	2053	211	9680	<54	0
Hg ng/l ave		n/a	n/a	n/a	n/a	n/a	4.1	33.4	0
Hg ng/l max		n/a	n/a	n/a	n/a	n/a	4.1	50.1	0

1. **Moore's Septage pumped first 2 tanks on each train Mar. 27th, 2024, all tanks on 6-28-24 and first two tanks on each train on Oct. 25, 2024**
2. **EPA renewal application was submitted on 11-29-23**

3. **Draft Permit received from EPA on 10-24-24. Jim Crowley has submitted comments to EPA and MDEP regarding the draft permit. These are all minor in nature spelling etc and factual corrections. There is also a public education required of primary waivers and a certification that is being processed.**
4. **There was only 1.13 inches of rain in September and 1.51 inches of rain in October.**
5. **There was a single day flow recorded at 440,660 gallons on 6-29-24 when we received 1.07 inches of rain in very short period, resulting in a June 2024 daily average of 40,632 gallons with a 63,000 gpd permit limit.**
6. **Influent Loading Testing and before chemical addition study continues**
   a. **Some high influent BODs have been recorded as high as 800 mg/l.**
   b. **It is common for the influent weir to become clogged limiting the flow to one or two trains.**
   c. **During the tank pumping on 10-25-24 train one's first tank had a 3 foot crust in comparison to a 2 foot crust in the fist tanks in train 2 and 3.**
   d. **Train 3 first tank was reported to smell of yeast by Moore's similar to brewers pumped by Moore's. We will most likely recommend a public education document on brewing beer in small wastewater systems.**
   e. **We are hoping to present an executive summary at the meeting on the 22nd of November.**
   f. **Dirigo Engineering has begun the FSP and CAP this month by inspecting manholes. Some manholes were not accessible.**
   g. **RCAP began GIS manholes in November.**
   h. **The FSP and CAP Grant application was submitted to the MMBB on 9/29/24.**
   i. **There is a MMBB Loan Agreement to be signed by the village, Chuck is arranging to get this sent to Janae for signature.**

Drinking Water Department

<u>October 2024 Production and Water Quality</u>.

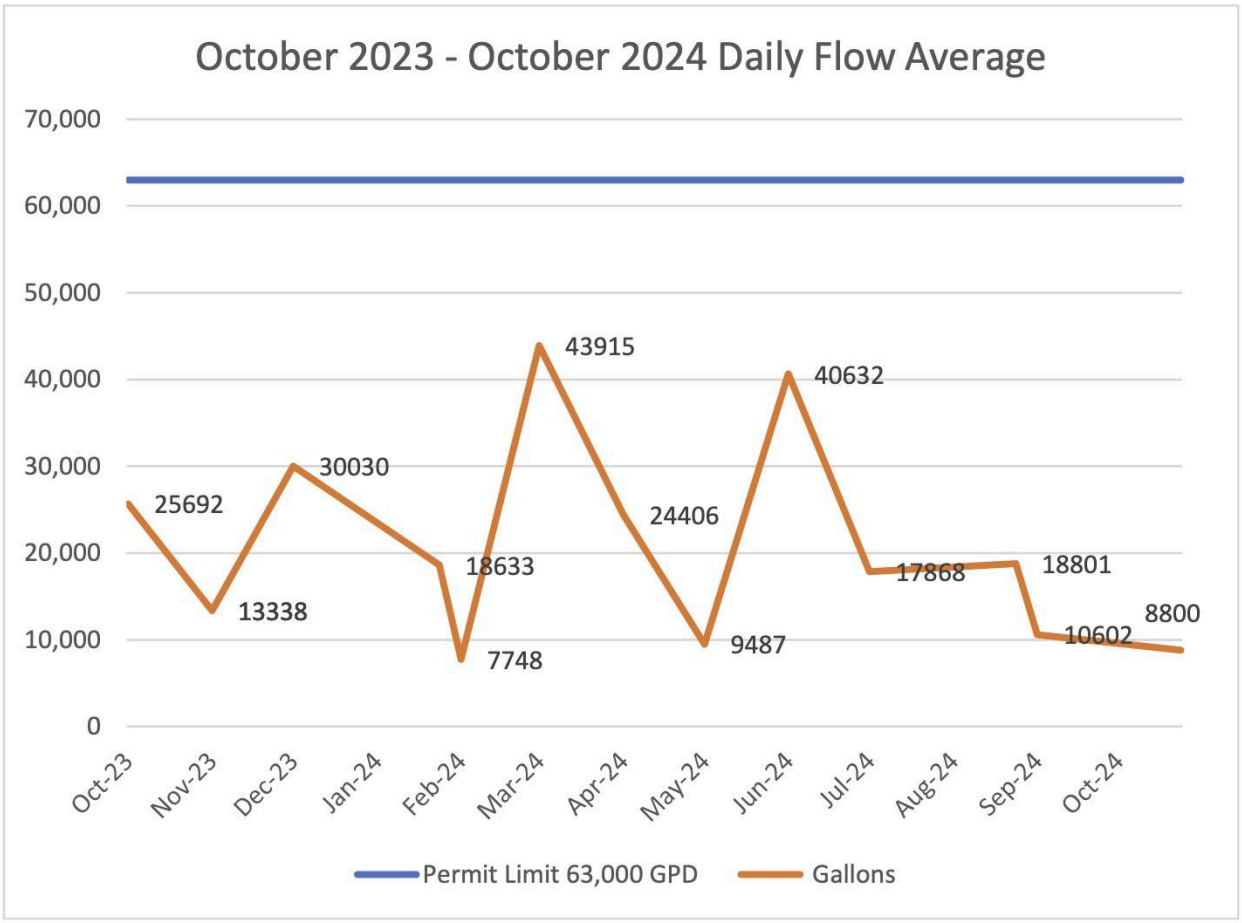
Purchased water for the month averaged 23,453 gpd compared to 22,006 gpd for the same month in 2023. The weekly free chlorine residual in the drinking water ranged from 0.13 - 0.22 ppm/Cl^2 compared to the recommended goal of >.20 to <1.0 ppm/Cl2 at the entry point to the distribution system and residual 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.

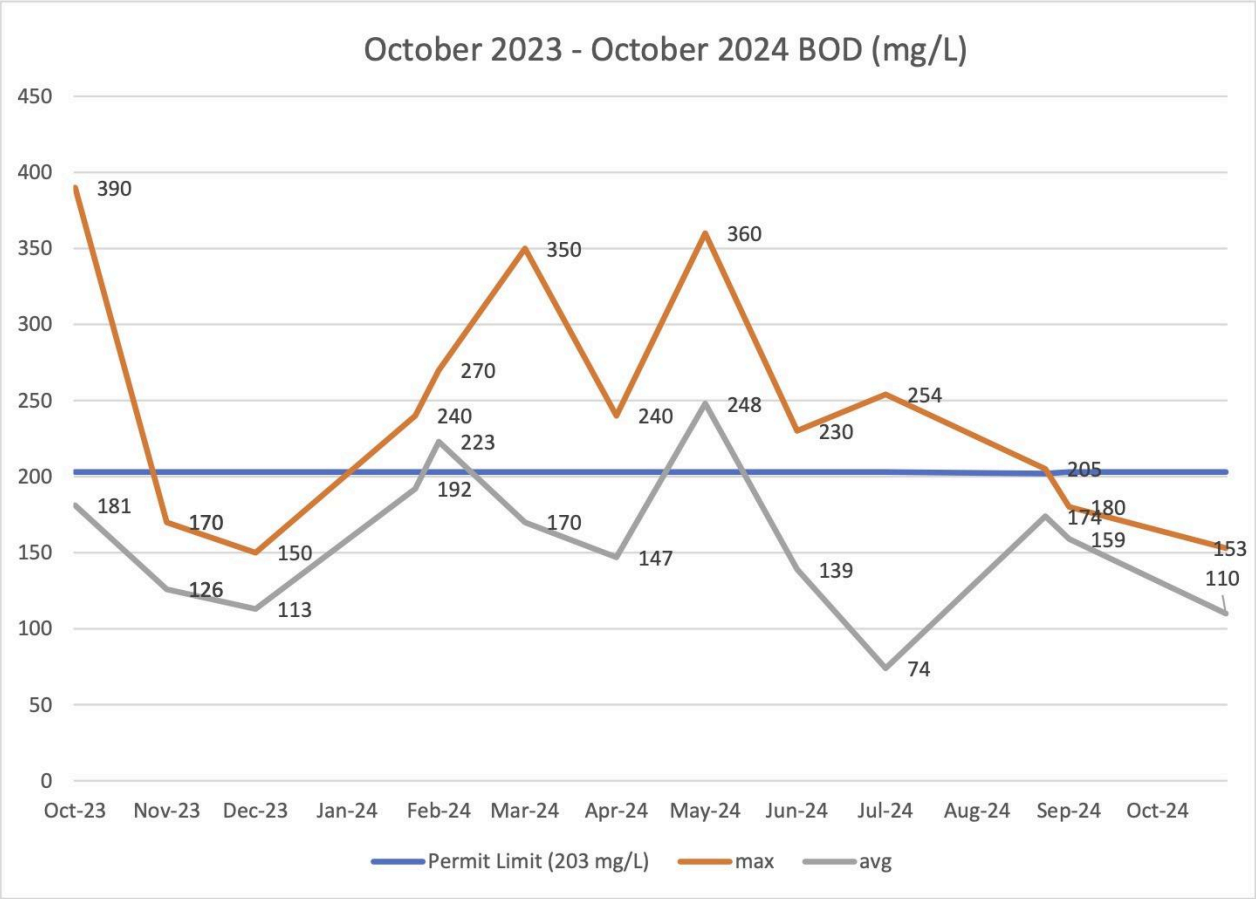
1. **It appears that the chart recorder or relay wire caused interference with the meter reading we are waiting for a tech from Ti-Sales to check the cause of the problem. In the meantime, we don't have instantaneous flow information.**
2. **The new 6 inch meter was installed on Feb. 29th.**
3. **Two Rates structures have been approved by the Maine PUC 1.5 percent annual, one-time 25 percent increase.**
   a. **The one percent and 25 percent are ready for implementation in the Nov. bill.**
4. **At this time and one time meter replacement fee is on hold.**
5. **Lead service line work concluded on Oct. 16, 2024.**
6. **The proper submission has been sent to MDWP notifying them that the lead service line work has been completed. NVC reported 353 connections, 0 known lead, 31 unknowns, 1 galvanized service and 321 non lead service lines.**

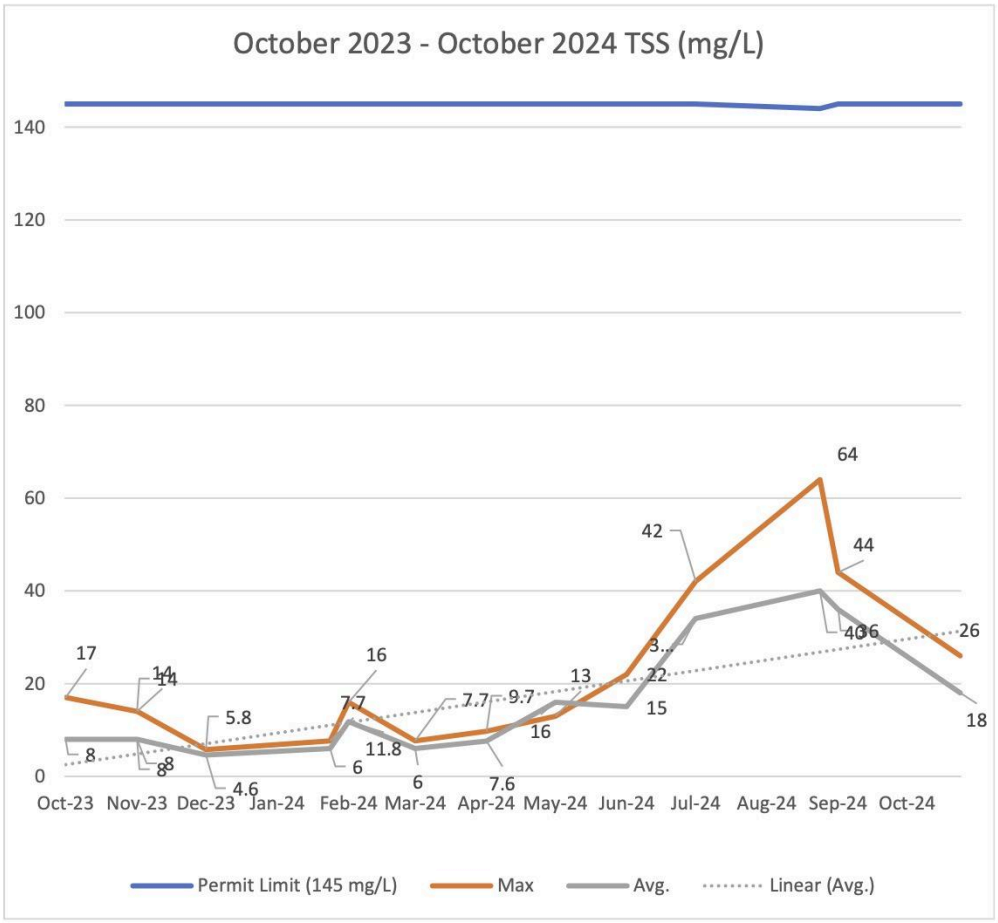
The grant reimbursement forms have also been submitted to the state for the lead

October 23 - October 2024 Northport Village
Flow Bod TSS Data

	Sep-23	Oct-23	Nov-23	Dec-23	Nov-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24
Flow Avg															
Gals	18124	25692	13338	30030	13338	18633	7748	43915	24406	9487	40632	17868	18801	10602	8800
BOD mg/l															
max	420	390	170	150	170	240	270	350	240	360	230	254	205	180	153
avg	333	181	126	113	126	192	223	170	147	248	139	74	174	159	110
TSS mg/l															
max	18	17	14	5.8	14	7.7	16	7.7	9.7	13	22	42	64	44	26
avg	15	8	8	4.6	8	6	11.8	6	7.6	16	15	34	40	36	18


October 2023 - October 2024 Daily Flow Average
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
25692
13338
30030
18633
7748
43915
24406
9487
40632
17868
18801
10602
8800
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Permit Limit 63,000 GPD
Gallons


October 2023 - October 2024 BOD (mg/L)
450
400
350
300
250
200
150
100
50
0
390
170
150
270
240
350
240
360
230
254
205
174
180
153
181
126
113
192
223
170
147
248
139
74
159
110
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Permit Limit (203 mg/L)
max
avg


October 2023 - October 2024 TSS (mg/L)
140
120
100
80
60
40
20
0
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
17
14
14
8
8
5.8
4.6
16
7.7
6
11.8
6
7.7
7.6
9.7
16
13
22
15
42
64
44
26
18
Permit Limit (145 mg/L)
Max
Avg.
Linear (Avg.)

REIMBURSEMENT REQUEST FOR
2023-2024 DWSRF
LEAD SERVICE LINE INVENTORY ASSISTANCE

PWS NAME: Northport Village Corporation Water Department PWSID#: ME0091165

CONTACT: Chuck Applebee TELEPHONE: 207-338-0751

MAILING ADDRESS: 813 Shore Road TOWN/CITY: Northport

STATE: ME ZIPCODE: 04849 E-MAIL ADDRESS: chuck@waterqualityme.com

MAXIMUM GRANT AMOUNT *(NUMBER OF SERVICE CONNECTIONS)* 353 *x $50.00)* $17,650.00 (A)

REQUESTED REIMBURSEMENT AMOUNT *(AMOUNT SPENT ON DIRECT SERVICES:* $ 16,514.95 (B)

REIMBURSED AMOUNT WILL BE LESSER OF AMOUNTS A AND B

I certify to the best of my knowledge and belief that the reimbursement requested is in accordance with the terms of the project and has not been previously requested and that all work is in accordance with the letter of agreement or contract document between the PWS and the firm providing contracted services.

PWS SIGNATURE:

Chuck M Gll

PWS PRINTED NAME & TITLE:
Charles M Applebee, Superintendent

Date: 11/8/2024

The review and acceptance of this reimbursement request by DWSRF does not attest to the correctness of the quantities shown or that the work has been performed in accordance with the letter of agreement or contract document.

DWSRF SIGNATURE:

Date:

EMAIL REIMBURSEMENT REQUEST AND SUPPORTING DOCMENTATION TO:

greg.connors@maine.gov

Supporting documentation includes copies of paid invoices supporting the requested amount and a copy of the letter of agreement or contract between the PWS and the selected firm performing the services.

Northport Village Corp LCRR Costs	
Grant Amount	$16,600.00
TWO Invoiced	$15,737.35
Staff Time	$777.60
Requested Reimbursment	**$16,514.95**

Professional Service Agreement

INITIAL SERVICE LINE INVENTORY PROJECT: SCOPE OF SERVICE AND FEE SCHEDULE
NORTHPORT VILLAGE CORP WATER DEPT

BACKGROUND

Pursuant to the federal Lead and Copper Rules Revisions (LCRR), Public Water Systems classified as Community or Non-Transient Non-Community must develop and submit a comprehensive and accurate inventory of every service line in their distribution systems, regardless of whether any lead is present by a deadline of October 16, 2024. The inventory form requires key information such as the number of service lines in the systems, a characterization of the composition of each service line, documentation of the method used to identify the service line material and the means that will be used to make the information in the inventory publicly accessible.

This agreement is for The Water Office, LLC to coordinate efforts of the initial service line inventory for NORTHPORT VILLAGE CORP WATER DEPT (PWSID: ME0091165) to meet this new requirement.

SCOPE OF WORK

Our scope of work for NORTHPORT VILLAGE CORP WATER DEPT Service Line Inventory Project will be to provide Professional Services responsible for overseeing all aspects of the service line inventory project including:

- Determination of Quantity of Service Lines
- Data Compilation, Review, and Processing
- Completion of Inventory
- Public Notice Preparation, Distribution of Public Notification, and Website Publication
- Final Preparation for Submittal of Initial Data Set.

FEES

We propose to undertake our scope of work on an hourly fee basis of $85/hour and federal mileage rates. We will bill NORTHPORT VILLAGE CORP WATER DEPT monthly, as needed until project completion.

We will work as efficiently as possible to ensure that this project is completed on time, and you will only be billed for actual hours worked. A 1.5% late fee will be charged for unpaid invoices 30 days beyond the due date.

CLOSURE

We are grateful for the opportunity to provide a proposal on this project. If this proposal is acceptable to you, please sign below and return a copy to The Water Office, LLC.

Client (Print)	Title	Client Signature	Date
Charles Applebee	Superintendent		6/27/2024
Provider (Print)	**Title**	**Provider Signature**	**Date**
Kathy Rodgers	Owner		6/27/2024

THE WATER OFFICE, LLC

1296 Essex St.
Bangor ME, 04401

PHONE 207-852-1431
EMAIL rodgers@thewateroffice.com
WEBSITE www.thewateroffice.com

PWS Information

Purpose of this worksheet: *For water systems to document basic system information.*

Facility Information			
Water System Name:			
Northport Village Corporation Water Department			
PWSID:	Population Served (number of people):	Number of Service Connections:	PWS Type:
ME0091165	**883**	**353**	☑ CWS ☐ NTNCWS
If you are a CWS, do multi-family residences comprise at least 20% of the structures you serve?			*No*
Mailing Address			
Street or P.O. Box:			
813 Shore Road			
City or Town:		State:	Zip Code:
Northport		**Maine**	**04849**
System Contact Person			
Name:		Title:	
Charles Applebee		**Superintendent**	
Telephone:		Email:	
207-882-5476		leadserviceinventory@waterqualityme.com	
Person Who Prepared Inventory (if different from above)			
Name:		Title/Affiliation:	
Kathy Rodgers		**Consultant/The Water Office, LLC**	
Telephone:		Email:	
207-852-1431		rodgers@thewateroffice.com	

Note: 334 is the Field Data reported service connection. Service line inventory varied due to onsite record search that included service lines behind the master meter (apt. complexes, community gardens, schools with outbuildings, mobile home parks) or service lines stubbed for future use.

Inventory Summary

PWS Name: Northport Village Corporation Water Department
PWSID: ME0091165

Enter Date Last Updated:	**10/14/24**

Purpose of this worksheet: *For water systems to provide a summary of their service line inventory, including information on ownership, inventory format, and the number of service lines for each of the four required materials classifications.*

Part 1. General Information

1. Is this the **Initial Inventory** or an **Inventory Update**?	*Initial Inventory*
2a. Who **owns the service lines** in your system? *If other, please explain below.*	*Ownership is split, meaning that the system owns and portion and the customer owns a portion*
n/a	
2b. Is there documentation that defines service line ownership in your system, such as a local ordinance? *If yes, please describe below and explain where ownership is split (e.g., property line, curb stop).*	*No*
3a. Describe when lead service lines were generally installed in your system.	
There is no evidence nor is it suspected that lead service lines were ever used in the system.	
3b. When were lead service lines banned in your system? Reference the state or local ordinance that banned the use of lead in your system.	
State of Maine Lead Line Ban was in effect in 1926.	
4. Do you have lead goosenecks, pigtails or connectors in your system?	*No*
5. What is your overall level of confidence in the inventory (*i.e.* , "Low", "Medium", or "High.") Please explain your rationale below.	
High. The system has a signficant amount of summer homes with water lines running above ground. Efforts to bury the lines is well documented. The Chief Operator has been involved with the system for over 40 years and can attest to most of the water line materials.	

Part 2. Inventory Format

Describe your inventory format in the space provided below (*e.g.* , the **Detailed Inventory** worksheet, custom spreadsheet, GIS map). Provide the filename and/or web address if applicable. ***Note that the state may require you to submit your detailed inventory of each service line in your distribution system.***

Detailed Inventory and GIS Map. The mapped inventory can be found here. https://www.thewateroffice.com/lead-service-line-inventories

Part 3. Inventory Summary Table [1]

If you are using the ***Detailed Inventory*** *worksheet, the classifications you select in the Column "Entire Service Line Material Classification" (Column X) will be used to calculate the total number of service lines for each of the four material classifications below. Otherwise, enter the number of service lines in the aqua-colored cells.* ***Remember this is the classification for the entire service line.***

Service Line Material Classification	Definition	Total Number of Service Lines (REQUIRED to be reported under the LCRR)
Lead	Any portion of the service line is known to be made of lead.[2]	0
Galvanized Requiring Replacement (GRR)	The service line is not made of lead, but a portion is galvanized and the system is unable to demonstrate that the galvanized line was never downstream of a lead service line.	1
Non-Lead	All portions of the service line are known NOT to be lead or GRR through an evidence-based record, method, or technique.	321
Lead Status Unknown	The service line material is not known to be lead or GRR. For the entire service line or a portion of it (in cases of split ownership), there is not enough evidence to support material classification.	31
	TOTAL	353

Notes

[1] This summary table is for reporting material for the entire service line connecting the water main to the customer's plumbing. See the **Classifying SLs** worksheet for additional guidance on assigning a materials classification to the entire service line when ownership is split. Remember that systems must track the system-owned and customer-owned portions separately in their inventory.

[2] A lead-lined galvanized service line is consistent with the definition of an LSL under the LCRR ("a portion of pipe that is made of lead, which connects the water main to the building inlet") (40 CFR §141.2) and must therefore be classified in the inventory as an LSL. Do NOT, however, count non-lead service lines with a lead gooseneck or pigtail as lead service lines unless required by your state.

The Water Office, LLC

1296 Essex St.
Bangor, ME 04401 USA
+12078521431
rodgers@thewateroffice.com

INVOICE

BILL TO
Trish Parker
Northport Village Corporation
813 Shore Rd
Northport, ME 04849

SHIP TO
Trish Parker
Northport Village Corporation
813 Shore Rd
Northport, ME 04849

INVOICE	1799
DATE	10/11/2024
TERMS	Net 60
DUE DATE	12/10/2024

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
09/16/2024	Additional Hours	COMPLETION OF LCRR LSLI INITIAL INVENTORY FOR NORTHPORT VILLAGE CORPORATION: Development of GIS map of service connections. Onsite digitization of records, sorting/organizing of records by relevance, processing and extracting relevant data. Quantified service lines and connections. Coordination with various agencies to find missing data. Record review and determination of qualifying data. Determination of associated streets/addresses with historical records. Development of database of the sourced service line material. Peer review of extracted data. Website publication of the	184:26	85.00	15,676.55

		LCRR LSLI results. Data capture method for ongoing updates to ensure the accuracy of data. Public notification development and distribution. Certifying with Maine DWP of completion.			
	Mailers	Shipping cost of public notices	32	1.90	60.80

SUBTOTAL	15,737.35
TAX	0.00
TOTAL	15,737.35
PAYMENT	6,632.86
BALANCE DUE	**$9,104.49**

Pay invoice

DRINKING WATER NOTICE

Northport Village Corporation Water Department
ME0091165

Our Public Water System Has Completed an Initial Service Line Inventory

We have found/identified Lead Service Lines, Galvanized Service Lines Requiring Replacement (GRR) or Unknown Service Lines (where we do not know what the line material is)

During the initial service line inventory that was completed on October 14, 2024, the Northport Village Corporation Water Department has found/classified some service lines within our water distribution system as either lead, galvanized requiring replacement (GRR), or as a lead status unknown service line (material of line not known).

WHAT WAS FOUND:

Service Line Material Found Within Our System: *(Check all that apply)*

☐ **Lead-** A portion of pipe that is made of lead, which connects the water main to the building inlet.

☒ **Galvanized Requiring Replacement-**Galvanized steel service line that is or was at any time downstream of a lead service line or is currently downstream of a "Lead Status Unknown" service line.

☒ **Lead Status Unknown-** Service line material is not known to be lead, galvanized requiring replacement, or a non-lead service line, such as where there is no documented evidence supporting material classification.

☒ **Non-Lead-** Service line material is determined through an evidence-based record, method, or technique not to be lead or galvanized requiring replacement.

HOW THIS WAS DETERMINED:

Verification Method Used to Determine Service Line Material: *(Check all that apply)*

☒ Field Inspection by PWS

☒ Records Review

☐ Statistical Analysis

☐ Customer Self-Identification

☐ Other(s) Maine Drinking Water Program -Approved Method(s):

_____

HEALTH EFFECTS OF LEAD:

There is no safe level of lead in drinking water. Exposure to lead in drinking water can cause serious health effects in all age groups, especially pregnant women, infants (both formula-fed and breastfed), and young children. Some of the health effects to infants and children include decreased IQ and attention span. Lead exposure can also result in new or worsened learning and behavior problems. The children of persons who are exposed to lead before or during pregnancy may be at increased risk of those harmful health effects. Adults have increased risks of heart disease, high blood pressure. Kidney or nervous system problems. Contact your health care provider for more information about your risks. For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at http://www.epa.gov/lead, or contact your health care provider.

STEPS YOU CAN TAKE TO PROTECT YOURSELF FROM LEAD IN DRINKING WATER:

1) Run the water for at least 15 seconds or until it becomes noticeably colder before using it for drinking or cooking. The longer water sits in piping the more lead it may contain.
2) Use cold water for drinking and cooking, as well as for preparing baby formula. Hot water dissolves lead more quickly than cold water.
3) Boiling the water does not reduce lead levels.
4) Consider using bottled water for drinking and cooking.
5) If you are concerned about lead, contact your health care provider or the Maine Childhood Lead Poisoning Prevention Program (866-292-3474). You can ask about having you or your child tested for lead.

LEAD SERVICE LINE REPLACEMENT:

To learn about opportunities for lead service line replacement and potential funding opportunities, contact Kathy Hicks at the Water Office, LLC (207-852-1431). Public water systems are required to replace their portion of service line when notified by a property owner that the owner intends to replace their portion of lead service line.

TESTING YOUR WATER

To find out how you may be able to get your water tested for lead, contact us at 207-852-1431.

TO FIND OUR MORE

If you have questions, want to verify your service line material, or believe a service line may have been categorized incorrectly, contact us at 207-852-1431.

SERVICE LINE INVENTORY CERTIFICATION:

By signing below, you certify that 1) the information within your service line inventory is true, accurate, and complete to the best of your knowledge and 2) you the person duly authorized to complete and submit the service line inventory to the Maine Drinking Water Program.

Kathy Rodgers	Kathy L. Rodgers	10/16/2024
Full Name	Signature	Date

PUBLIC NOTICE CERTIFICATION:

By signing below, you certify and attest that you have notified consumers about your service line inventory in accordance with the delivery, content, format requirements, and deadlines, as specified by the Maine Drinking Water Program (check all that apply).

Method Used: _____Hand delivery__x__Mailing _____Email __x__Website _____Postings

Kathy L. Rodgers	**10/15/2024**
(SIGNATURE OF OWNER/OPERATOR)	(DATE NOTICE DISTRIBUTED)

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 _____

_____
Ken Moraff, Director
Office of Ecosystems Protection
Environmental Protection Agency
Boston, Massachusetts

Signed this ___day of _____

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

* Pursuant to 40 C.F.R. § 124.15(b)(3), if no comments requesting a change to the draft permit are received, the NPDES permit will become effective upon the date of signature by the Commissioner of the Maine DEP.

IN THE MATTER OF

NORTHPORT VILLAGE CORPORATION,	)	
WALDO COUNTY, MAINE	)	NATIONAL POLLUTANT
PUBLICLY OWNED TREATMENT WORKS	)	DISCHARGE ELIMINATION SYSTEM
ME0100901	)	WASTE DISCHARGE LICENSE
W002575-6B-E-R	)	
	)	
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) # W002575-5L-D-R that was issued on March 21, 2019 and expired on March 13, 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(21)(A) (amended June 9, 2018)].

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

Date filed with Maine Board of Environmental Protection _____
This order prepared by jointly GREGG WOOD, 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 314 C.M.R. 3.19, 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, M.G.L. c. 21, § 27. 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 (mg/L) *[25]*	Report (mg/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

   (290 mg/L – X mg/L) * (100%) = Y % Removal
   (290 mg/L)

   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

   (290 mg/L – X mg/L) * (100%) = Y % Removal
   (290 mg/L)

   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

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 Certification Rules, 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 May 8, 2006). 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 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 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 24 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 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 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. In addition, a hardcopy form of this sheet must be signed and submitted to your compliance inspector, or a copy attached to your CDX submittal will suffice. 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.

NVC- WATER

Budget vs. Actuals:

January - September 2024

	Total			
	Actual	Budget	over Budget	% of Budget
Revenue				
4100 Water Revenue	0.00	0.00	0.00	
4200 Water Operating Revenue	0.00	0.00	0.00	
4210 Water Sales	108,714.15	161,000.00	-52,285.85	67.52%
4220 Rate Increase	0.00	15,936.00	-15,936.00	0.00%
4230 Water Service Fee Revenue	0.00	7,750.00	-7,750.00	0.00%
4240 Hydrant Rental Revenue	0.00	6,279.00	-6,279.00	0.00%
Total 4200 Water Operating Revenue	**$ 108,714.15**	**$ 190,965.00**	**-$ 82,250.85**	**56.93%**
4300 Water Non-operating Revenue	0.00	0.00	0.00	
4310 Interest Income	4,815.01	3,000.00	1,815.01	160.50%
4320 Interest on Loan Receivable Sewer	0.00	2,798.32	-2,798.32	0.00%
4340 Miscellaneous Revenue	3,068.00	0.00	3,068.00	
Total 4300 Water Non-operating Revenue	**$ 7,883.01**	**$ 5,798.32**	**$ 2,084.69**	**135.95%**
Total 4100 Water Revenue	**$ 116,597.16**	**$ 196,763.32**	**-$ 80,166.16**	**59.26%**
Total Revenue	**$ 116,597.16**	**$ 196,763.32**	**-$ 80,166.16**	**59.26%**
Cost of Goods Sold				
5000 Cost of Goods Sold	0.00	0.00	0.00	
5100 Water Purchases	20,017.81	31,500.00	-11,482.19	63.55%
Total 5000 Cost of Goods Sold	**$ 20,017.81**	**$ 31,500.00**	**-$ 11,482.19**	**63.55%**
Total Cost of Goods Sold	**$ 20,017.81**	**$ 31,500.00**	**-$ 11,482.19**	**63.55%**
Gross Profit	**$ 96,579.35**	**$ 165,263.32**	**-$ 68,683.97**	**58.44%**
Expenditures				
6000 1099 Contractors	0.00	0.00	0.00	
6010 Casual Labor	0.00	3,000.00	-3,000.00	0.00%
6036 Bookkeeping	5,990.49	8,000.00	-2,009.51	74.88%
6047 Water Utilities Superintendent	16,684.05	19,540.00	-2,855.95	85.38%
Total 6000 1099 Contractors	**$ 22,674.54**	**$ 30,540.00**	**-$ 7,865.46**	**74.25%**
6050 Auto Expenses	0.00	0.00	0.00	
6051 Auto Fuel Expense	0.00	0.00	0.00	
6053 Truck Fuel	292.84	1,200.00	-907.16	24.40%
Total 6051 Auto Fuel Expense	**$ 292.84**	**$ 1,200.00**	**-$ 907.16**	**24.40%**
6055 Auto Repairs & Maintenance	0.00	0.00	0.00	
6057 Truck Maintenance	771.76	1,000.00	-228.24	77.18%
Total 6055 Auto Repairs & Maintenance	**$ 771.76**	**$ 1,000.00**	**-$ 228.24**	**77.18%**
Total 6050 Auto Expenses	**$ 1,064.60**	**$ 2,200.00**	**-$ 1,135.40**	**48.39%**
6065 Community Events	39.72	0.00	39.72	
6070 Employee Wages & Benefits	0.00	0.00	0.00	
6075 Employee Benefits	0.00	0.00	0.00	
6076 Company Paid Benefits	357.06	2,500.00	-2,142.94	14.28%
6077 Income Protection Plan	672.87	1,000.00	-327.13	67.29%
Total 6075 Employee Benefits	**$ 1,029.93**	**$ 3,500.00**	**-$ 2,470.07**	**29.43%**
6080 Employees Salaries & Wages	0.00	0.00	0.00	
6082 Distribution Officer Wages	21,475.31	31,590.00	-10,114.69	67.98%
6082.5 Assistant DO Wages	0.00	7,500.00	-7,500.00	0.00%
6084 Office Personnel Wages	15,321.79	16,715.00	-1,393.21	91.66%
6087 Utility Billing Wages	2,767.65	3,750.00	-982.35	73.80%

	Actual	Budget	over Budget	% of Budget
Total 6080 Employees Salaries & Wages	**$ 39,564.75**	**$ 59,555.00**	**-$ 19,990.25**	**66.43%**
6095 Payroll Processing Fees	539.63	1,100.00	-560.37	49.06%
6096 Payroll Tax Expense	2,984.61	6,000.00	-3,015.39	49.74%
Total 6070 Employee Wages & Benefits	**$ 44,118.92**	**$ 70,155.00**	**-$ 26,036.08**	**62.89%**
6150 Information & Notices	218.21	0.00	218.21	
6160 Insurance Paid	0.00	0.00	0.00	
6161 Property & Casualty Insurance	1,786.84	1,625.00	161.84	109.96%
6162 Workers Comp Insurance	11.55	1,000.00	-988.45	1.16%
Total 6160 Insurance Paid	**$ 1,798.39**	**$ 2,625.00**	**-$ 826.61**	**68.51%**
6190 Legal & Professional Services	0.00	0.00	0.00	
6191 Auditing Services	11,692.78	4,600.00	7,092.78	254.19%
Total 6190 Legal & Professional Services	**$ 11,692.78**	**$ 4,600.00**	**$ 7,092.78**	**254.19%**
6210 Licenses, Permits, & Fees	506.00	200.00	306.00	253.00%
6240 Membership Dues	222.75	300.00	-77.25	74.25%
6260 Office Supplies	959.05	1,000.00	-40.95	95.91%
6285 Postage	510.00	800.00	-290.00	63.75%
6305 Regulatory Fees	894.00	200.00	694.00	447.00%
6330 Repairs & Maintenance	0.00	0.00	0.00	
6331 Building Repairs & Maintenance	379.29	500.00	-120.71	75.86%
6332 Cleaning	664.29	850.00	-185.71	78.15%
6342 General Repairs & Maintenance	14,835.54	5,000.00	9,835.54	296.71%
Total 6330 Repairs & Maintenance	**$ 15,879.12**	**$ 6,350.00**	**$ 9,529.12**	**250.06%**
6345 Software	1,292.08	3,500.00	-2,207.92	36.92%
6350 Supplies	1,512.55	5,000.00	-3,487.45	30.25%
6400 Utilities	0.00	0.00	0.00	
6401 Electricity Expense	2,535.74	3,600.00	-1,064.26	70.44%
6402 Oil/Propane	294.03	600.00	-305.97	49.01%
6406 Telephone & Internet Expenses	444.80	900.00	-455.20	49.42%
6407 Water & Sewer	877.55	1,200.00	-322.45	73.13%
Total 6400 Utilities	**$ 4,152.12**	**$ 6,300.00**	**-$ 2,147.88**	**65.91%**
6500 Water Testing	625.00	800.00	-175.00	78.13%
6600 Lead Pipe Testing Expenses	6,632.86	0.00	6,632.86	
6700 Reserve Accrual - Loan from Sewer Interest	0.00	2,798.32	-2,798.32	0.00%
6800 Bond Expenses	0.00	0.00	0.00	
6816 2013 MMBB Refinance Bond Principal	21,541.56	21,541.56	0.00	100.00%
6817 2013 MMBB Refinance Bond Interest	10,719.28	5,359.64	5,359.64	200.00%
Total 6800 Bond Expenses	**$ 32,260.84**	**$ 26,901.20**	**$ 5,359.64**	**119.92%**
Total Expenditures	**$ 147,053.53**	**$ 164,269.52**	**-$ 17,215.99**	**89.52%**
Net Operating Revenue	**-$ 50,474.18**	**$ 993.80**	**-$ 51,467.98**	**-5078.91%**
Net Revenue	**-$ 50,474.18**	**$ 993.80**	**-$ 51,467.98**	**-5078.91%**

NVC- Sewer

Budget vs. Actuals:

January - September 2024

	Total			
	Actual	Budget	over Budget	% of Budget
Revenue				
4000 Revenue	0.00	0.00	0.00	
4400 Sewer Operating Revenue	0.00	0.00	0.00	
4410 Sewer Fees	188,229.82	277,625.00	-89,395.18	67.80%
Total 4400 Sewer Operating Revenue	**$ 188,229.82**	**$ 277,625.00**	**-$ 89,395.18**	**67.80%**
4600 Sewer Non-operating Revenue	0.00	0.00	0.00	
4610 Interest Income	2,719.77	2,000.00	719.77	135.99%
4620 Grants	0.00	45,000.00	-45,000.00	0.00%
Total 4600 Sewer Non-operating Revenue	**$ 2,719.77**	**$ 47,000.00**	**-$ 44,280.23**	**5.79%**
Total 4000 Revenue	**$ 190,949.59**	**$ 324,625.00**	**-$ 133,675.41**	**58.82%**
Total Revenue	**$ 190,949.59**	**$ 324,625.00**	**-$ 133,675.41**	**58.82%**
Gross Profit	**$ 190,949.59**	**$ 324,625.00**	**-$ 133,675.41**	**58.82%**
Expenditures				
6000 1099 Contractors	0.00	0.00	0.00	
6010 Casual Labor	105.00	2,000.00	-1,895.00	5.25%
6036 Bookkeeping	5,990.49	8,000.00	-2,009.51	74.88%
6047 Sewer Utilities Superintendent	20,903.73	28,060.00	-7,156.27	74.50%
Total 6000 1099 Contractors	**$ 26,999.22**	**$ 38,060.00**	**-$ 11,060.78**	**70.94%**
6050 Auto Expenses	0.00	0.00	0.00	
6051 Auto Fuel Expense	0.00	0.00	0.00	
6053 Truck Fuel	292.80	1,200.00	-907.20	24.40%
Total 6051 Auto Fuel Expense	**$ 292.80**	**$ 1,200.00**	**-$ 907.20**	**24.40%**
6055 Auto Repairs & Maintenance	0.00	0.00	0.00	
6057 Truck Maintenance	771.74	0.00	771.74	
Total 6055 Auto Repairs & Maintenance	**$ 771.74**	**$ 0.00**	**$ 771.74**	
6058 Mileage Expenses	0.00	1,000.00	-1,000.00	0.00%
6059 Accrue for Truck Replacement	0.00	2,000.00	-2,000.00	0.00%
Total 6050 Auto Expenses	**$ 1,064.54**	**$ 4,200.00**	**-$ 3,135.46**	**25.35%**
6065 Community Events	39.72	0.00	39.72	
6070 Employee Wages & Benefits	0.00	0.00	0.00	
6075 Employee Benefits	0.00	0.00	0.00	
6076 Company Paid Benefits	357.06	2,500.00	-2,142.94	14.28%
6077 Income Protection Plan	594.97	1,000.00	-405.03	59.50%
Total 6075 Employee Benefits	**$ 952.03**	**$ 3,500.00**	**-$ 2,547.97**	**27.20%**
6080 Employees Salaries & Wages	0.00	0.00	0.00	
6081 Collection System Operator	6,324.14	7,500.00	-1,175.86	84.32%
6081.5 Assistant CSO	0.00	5,000.00	-5,000.00	0.00%
6084 Office Personnel Wages	15,321.71	16,715.00	-1,393.29	91.66%
6086 Treatment Plant Operator	23,456.20	30,000.00	-6,543.80	78.19%
6087 Utility Billing Wages	2,767.65	3,750.00	-982.35	73.80%
Total 6080 Employees Salaries & Wages	**$ 47,869.70**	**$ 62,965.00**	**-$ 15,095.30**	**76.03%**
6095 Payroll Processing Fees	539.62	1,100.00	-560.38	49.06%
6096 Payroll Tax Expense	3,726.08	6,000.00	-2,273.92	62.10%
Total 6070 Employee Wages & Benefits	**$ 53,087.43**	**$ 73,565.00**	**-$ 20,477.57**	**72.16%**
6150 Information & Notices	85.39	0.00	85.39	
6160 Insurance Paid	0.00	0.00	0.00	

	Actual	Budget	over Budget	% of Budget
6161 Property & Casualty Insurance	2,427.33	2,500.00	-72.67	97.09%
6162 Workers Comp Insurance	11.55	1,000.00	-988.45	1.16%
Total 6160 Insurance Paid	**$ 2,438.88**	**$ 3,500.00**	**-$ 1,061.12**	**69.68%**
6170 Interest	2,366.25	0.00	2,366.25	
6190 Legal & Professional Services	0.00	0.00	0.00	
6191 Auditing Services	24,949.94	10,000.00	14,949.94	249.50%
6192 Engineering Fees	0.00	45,000.00	-45,000.00	0.00%
Total 6190 Legal & Professional Services	**$ 24,949.94**	**$ 55,000.00**	**-$ 30,050.06**	**45.36%**
6210 Licenses, Permits, & Fees	60.49	2,500.00	-2,439.51	2.42%
6240 Membership Dues	222.75	300.00	-77.25	74.25%
6260 Office Supplies	958.86	1,000.00	-41.14	95.89%
6285 Postage	510.00	800.00	-290.00	63.75%
6305 Regulatory Fees	1,241.93	0.00	1,241.93	
6330 Repairs & Maintenance	0.00	0.00	0.00	
6331 Building Repairs & Maintenance	379.28	500.00	-120.72	75.86%
6332 Cleaning	664.29	850.00	-185.71	78.15%
6335 Sludge Removal	38,410.00	45,000.00	-6,590.00	85.36%
6337 Wharf & Floats Maintenance	0.00	2,500.00	-2,500.00	0.00%
6342 General Repairs & Maintenance	2,770.68	5,000.00	-2,229.32	55.41%
Total 6330 Repairs & Maintenance	**$ 42,224.25**	**$ 53,850.00**	**-$ 11,625.75**	**78.41%**
6345 Software	1,191.06	3,500.00	-2,308.94	34.03%
6350 Supplies & Chemicals	8,187.37	15,000.00	-6,812.63	54.58%
6400 Utilities	0.00	0.00	0.00	
6401 Electricity Expense	3,557.26	5,000.00	-1,442.74	71.15%
6402 Oil/Propane	851.12	600.00	251.12	141.85%
6403 Hydrant Rental	99.66	150.00	-50.34	66.44%
6406 Telephone & Internet Expenses	439.12	900.00	-460.88	48.79%
6407 Water & Sewer	877.54	1,200.00	-322.46	73.13%
Total 6400 Utilities	**$ 5,824.70**	**$ 7,850.00**	**-$ 2,025.30**	**74.20%**
6500 Water Testing	8,163.00	8,500.00	-337.00	96.04%
6800 Bond Expenses	0.00	0.00	0.00	
6810 2008 MMBB Bond Principal	6,020.00	6,020.00	0.00	100.00%
6811 2008 MMBB Bond Interest	699.75	699.75	0.00	100.00%
6814 2012 MMBB Refinance Bond Principal	5,365.81	5,365.81	0.00	100.00%
6815 2012 MMBB Refinance Bond Interest	2,147.19	2,147.19	0.00	100.00%
6816 2013 BHBT Bond Principal	11,749.94	11,749.94	0.00	100.00%
6817 2013 BHBT Bond Interest	5,846.88	2,923.44	2,923.44	200.00%
6821 Loan Payment to Water - Principal	0.00	18,037.84	-18,037.84	0.00%
6822 Loan Payment to Water - Interest	0.00	2,798.32	-2,798.32	0.00%
Total 6800 Bond Expenses	**$ 31,829.57**	**$ 49,742.29**	**-$ 17,912.72**	**63.99%**
Total Expenditures	**$ 211,445.35**	**$ 317,367.29**	**-$ 105,921.94**	**66.62%**
Net Operating Revenue	**-$ 20,495.76**	**$ 7,257.71**	**-$ 27,753.47**	**-282.40%**
Other Expenditures				
7300 Sewer Reserve Fund	0.00	7,200.00	-7,200.00	0.00%
Total Other Expenditures	**$ 0.00**	**$ 7,200.00**	**-$ 7,200.00**	**0.00%**
Net Other Revenue	**$ 0.00**	**-$ 7,200.00**	**$ 7,200.00**	**0.00%**
Net Revenue	**-$ 20,495.76**	**$ 57.71**	**-$ 20,553.47**	**-35515.09%**