

## MINUTES of the August 13, 2021 Utilities Committee Meeting

The meeting convened at 2:30 pm upstairs in a very warm Community Hall. A ZOOM link was also open but there were no attendees by ZOOM.

Present: Committeemembers David Crofoot, Judy Metcalf, Janae Novotny, Wilt, Superintendant McElhaney, Bill Paige, Jim Bahoosh  
Absent: Casey Brown, Jeffrey Wilt

Jim Bahoosh attended to present his application for a sewer permit for a lot he owns at 3 Oak Street, Lot U5-116, on which he intends to build a house.

Discussion: This is a lot of record. Mr. Bahoosh does not intend to build for 2-3 years.

**Moved by Metcalf, 2<sup>nd</sup> Novotny: to approve this permit application. Vote: 3:0 in favor.**

Mr. Bahoosh was informed that the permit is valid for one year and he must install his sewer line stub within that time.

Ben Woolsey, owner of a house at 22 West Street, Lot U5-39, has requested permission to connect to the sewer system. Bill Paige states that the house is currently served by a septic system but that Mr. Woolsey along with Mr. Ishibashi (32 West St. U5-40, paid to dig a private connection for their lots many years ago. The stub is adjacent to his house but the owner had chosen not to connect since his septic system was functioning properly. He now wants to connect.

Discussion: This is a lot of record. All that is necessary is to connect to the already existing stub.

**Motion by Metcalf, 2<sup>nd</sup> Novotny to approve this application. Vote: 3:0 in favor.**

For both of these connections and for all future connections or modifications, a condition for permit approval is that garbage disposals are strictly forbidden.

**Motion by Metcalf, 2<sup>nd</sup> Crofoot: Vote 3:0.**

A general discussion of the capacity of the wastewater treatment plant ensued. At the time the original license was granted, a specific condition of the 401H waiver was that the treatment plant was to serve only the lots of record adjacent (within 200 feet) to existing sewer mains (approximately 251) plus a maximum of 10% expansion (276). There are currently 247 sewer customers. The design of the treatment plant was based on these numbers plus an allowance for services from the Kelly Cove subdivision, whose owner paid to increase the plant capacity. Chairman Crofoot is preparing an enumeration of these existing lots of record in 1985 as well as a list of new houses built on lots of record, unbuilt lots of record, and connections that have been allowed to connect although not on lots of record (subdivided lots).

Superintendant McElhaney has concerns that, as we approach the plant capacity, there will be a risk of exceeding license limits for BOD discharge. He will present objective measures of capacity at the next meeting.

**Financials:** There are still discrepancies between reported line items and budget line items. These need to be resolved in anticipation of preparation of a budget for 2022. Payments between the NVC general government and the two utilities need to be recognized, paid, and reported at least every three months.

**Superintendent's report:** There were no license violations for the month of June. There was a positive Enterococcus test in July that is being further investigated. The superintendent highlighted the higher levels of BOD seen during the full occupancy summer months—still well below allowed limits, but nevertheless of concern. The report is appended to these minutes.

**Utilities Committee membership:** Since Janae Novotny has been elected President of the NVC, the Committee will need another Overseer member. The Board of Overseers will decide this.

**Building permit for the new Treatment building:** Since the meeting of the Northport Planning Board fell on the same night as the NVC Annual Meeting, we therefore requested that our permit application remain on the table until their September meeting. The Superintendent has written a strong letter indicating the safety and maintenance issues for the generator that would be addressed by extending a porchlike structure around the southwest corner of the building to surround the generator and provide access for maintenance. He also recommended placing a double heat shield between the generator and the treatment building since the recommended 18 inch setback cannot be met with the current design.

**Final bills from Blaine Casey and Dirigo.**

The final bill from Blaine Casey, which reflected liquidated damages and other adjustments, was approved for payment.

Questions remain about Dirigo's final bill. Judy Metcalf will communicate with Tim Sawtelle of Dirigo to resolve this.

**Meeting adjourned at 4:10 pm. Next meeting will be September 10, 2021.**

Respectfully submitted,

David D. Crofoot

Addendum: Superintendent's report:

August 13, 2021

# Utility Department Monthly Operating Report

## Sewer Department

### June 2021 Effluent Monitoring Data

**During the month there were no exceedances or violations of the special or standard conditions of the MDEP or EPA discharge permit or license were reported.**

### WTP Monthly Performance Table

Parameters	June	May	April	YTD Lo	YTD Hi	YTD Ave	2020 Ave	DEP Limit	YTD Exceed-ances
Flow GPD	10060	13384	18187	5643	18187	12349	12718	<63,000	0
Precip inches	2.18	2.65	3.25	1.58	3.25	2.34	3.17	n/a	0
TSS lbs/day	2.8	1.7	0.9	0.9	2.8	1.6	1.6	<76	0
TSS lbs max	5.8	2.3	1.7	1.7	5.8	4.13	na	report	0
TSS mg/l	44.3	18.8	31.2	16.5	44.3	28.7	23.2	<145	0
TSS mg/l max	58	29	64	26	64	41.5	na	report	0
TSS % removal	80.0	93.5	89.3	80.0	94.3	88.8	92.7	>50	0
BOD lbs/day	9.8	12.2	6.6	2.8	12.2	7.0	6.3	<107	0
BOD lbs max	16.5	30.8	15.9	6.1	30.8	14.8	na	report	0
BOD mg/l	155.0	100	114.8	37.2	155.0	127	81.1	<203	0
BOD mg/l max	230	160	140	51	230	106.4	na	report	0
BOD % removal	46.6	65.5	60.4	46.6	87.2	68.4	69.7	>30	0
pH low	6.5	6.6	6.6	6.5	6.6	6.5	6.6	>6.0	0
pH high	6.7	6.8	6.8	6.7	6.8	6.8	6.9	<9.0	0
St solids ml/l	0.18	0.1	0.1	0.1	0.15	0.12	0.13	report	0
TRC mg/l max	0.03	0.03	0.02	0.02	0.03	.03	.02	<0.3	0
Fecal cfu ave	<8	<8	<8	<8	<8	<8	11.34	<14	0
Fecal cfu max	<8	<8	<8	<8	<8	<8	20.24	<31	0
Entero cfu ave	<8	<8	14.54	<8	14.54	9.76	12.23	<8	1
Entero cfu max	<8	<8	48	<8	48	14.54	40.65	<54	0
Hg ng/l ave	na	na	na	na	na	na	14.4	33.4	0
Hg ng/l max	na	na	na	na	na	na	14.4	50.1	0

**Note:** The last exceedance for flow was 182 months ago (2/2006). The last exceedance for BOD was 80 months ago (9/2014). The last exceedance for fecal coliform was 12 months ago (7/2020). The last exceedance for enterococci ave was 3 months ago (4/2021). The record annual average low for flow was 12,017 gpd in 2017.

### WWTP Generator Maintenance Contract

An annual maintenance contract has been signed with CMD Power Systems out of Hermon, Maine to service the new treatment plant back-up generator. CMD also provides 24/7 emergency repairs if and when needed. CMD already services the back-up generator at the Shore Road Pump Station (See contract below).

In reviewing the location of the WWTP generator it was noted that the installation of the generator was installed within the recommended minimum of 18" from the building. Accordingly, the Sewer Department is recommending that an aluminum heat shield be installed between the building and the generator enclosure for added protection since moving the generator and concrete pad is not an option and never was. This addition would be similar to what is done between a wood stove and a combustible wall when their proximities to one another is too close.

## Drinking Water Department

### June 2021 Production and Water Quality.

Purchased water for the month averaged 37,171 gpd compared to 39,726 gpd for the same month in 2020. The weekly free chlorine residual in the drinking water ranged from 0.22 - 0.31 ppm/Cl<sup>2</sup> compared to the recommended goal of >.20 to <1.0 ppm/Cl<sup>2</sup>. The EPA maximum concentration level (MCL) not to be exceeded for chlorine residual is 4.0 ppm. The monthly total and e-coli water sample test results were both negative.

### Annual Disinfection By-Product Water Sample Test Results

Water samples collected from the water distribution system were taken on June 25, 2021 and hand delivered to the state HETL lab in Augusta for disinfection by-product testing. The water test result for Total Trihalomethanes was 6.3 parts per billion (ppb) versus the EPA maximum concentration level allowance of 80 ppb. For Total Haloacetic Acids, the water test result was 1.2 ppb versus an allowance amount of 60 ppb.

### Utility Billing Recap

Sent to you all under separate cover by Amy, as of August 8, for the mid-July trimesterly billing, the Utility Department has received 54.5% of the total amount billed.

# CMD POWERSYSTEMS, INC

42 DAVE'S WAY HERMON, ME 04401

PHONE: 207-848-7702 FAX: 207-848-7705

## PREVENTATIVE MAINTENANCE CONTRACT

**DATE: 07/29/2021**

I agree to provide Preventive Maintenance Service on:

**TYPE OF GENERATOR: Generac**

**MODEL:**

**SERIAL:**

### BILLING ADDRESS

Northport Village Corp  
813 Shore Road  
Northport, ME 04849

### GENERATOR LOCATION

Chlorination Building  
8 Ruggles Park  
Northport, Maine 04849

**OUR PREVENTATIVE MAINTENANCE SERVICE** will consist of a yearly thorough inspection. Attached to this contract is the **Operational Schedule of the Maintenance Check Points**. Oil and filter changes are included in the annual inspection. The charge of the annual inspection will be **\$245.00** All charges are payable within 30 days following the inspection. The inspection is done during normal working hours on a mutually agreed upon time and date. Repairs, if required, are not included in the contract price and will be billed as a separate item at the time the work is done. This contract may be terminated by either party at any time by written notification. CMD Powersystems has 24 hour emergency service available to our contracted customers.

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Signed and accepted in duplicate

By: \_\_\_\_\_

Phone: \_\_\_\_\_

Date: \_\_\_\_\_

Email: \_\_\_\_\_

**CMD Powersystems, INC.**

By: *William C Perry*

Title: Owner

Date: