

**NVC Utilities Committee
August 2022 Meeting
August 19, 2022; 2:30 pm Community Hall and by Zoom**

Present: Committee members: Crofoot, Witt, Brown, Brim-deForest (by Zoom); absent: Metcalf. Superintendent McElhaney, Bill Paige.
Also attending by Zoom: Dan Webster, Steve Kazilionis, Rachel Rosa

Motion: Jeffrey Witt was nominated to serve as Chairman of the Committee by Crofoot. Motion passed: 3 in favor, 1 abstention.

Superintendent's report:

There were two positive tests for fecal coliforms in July coinciding with the time that the tanks were pumped.

The plant is being operated with all three trains on line, as per the request of the DEP. So far, this has made no difference in BOD concentrations.

BOD concentrations for the first two weeks in August were 200 and 220, compared to the monthly average license limit is 207. Unless there is a drastic decrease in the last two weeks, there may well be a license exceedance in August for BOD concentration. All other parameters of plant operation are well within license limits.

The Superintendent's report is appended to these minutes.

The Superintendent is now being supplied with bank account and payment information. There is no evidence that the \$7200 annual set-aside to reserves required by the USDA exists in a separate account.

The USDA has written to request specific information about accounts and audited reports for 2020 and 2021, as part of information we must provide relative to the \$600,000 loan for the outfall extension.

McElhaney has been in communication with McBrearity at USDA and has been providing most of the information requested and has informed them of the status of the 2020 audit (almost done) and the 2021 audit (in progress). He will send them the un-audited year-end statement for 2021 while awaiting the audited report.

Minutes: The Minutes of the July meeting were approved unanimously.

Executive Session to discuss personnel matters.

After exiting executive session, it was announced that Bill Paige will take over the responsibilities of Fernie Barton during a medical leave beginning August 29.

The Committee asked the chairman to send a card to Mr. Barton expressing our concern and appreciation.

Superintendent’s Monthly Operating Report

August 2022

Sewer Department

June 2022 Effluent Monitoring Data

During the month of June there were no exceedances to report to EPA/DEP. See performance table below for further details of the regulatory monitoring data.

For the July 2022 operating period the NVC reported two exceedances for fecal coliform.

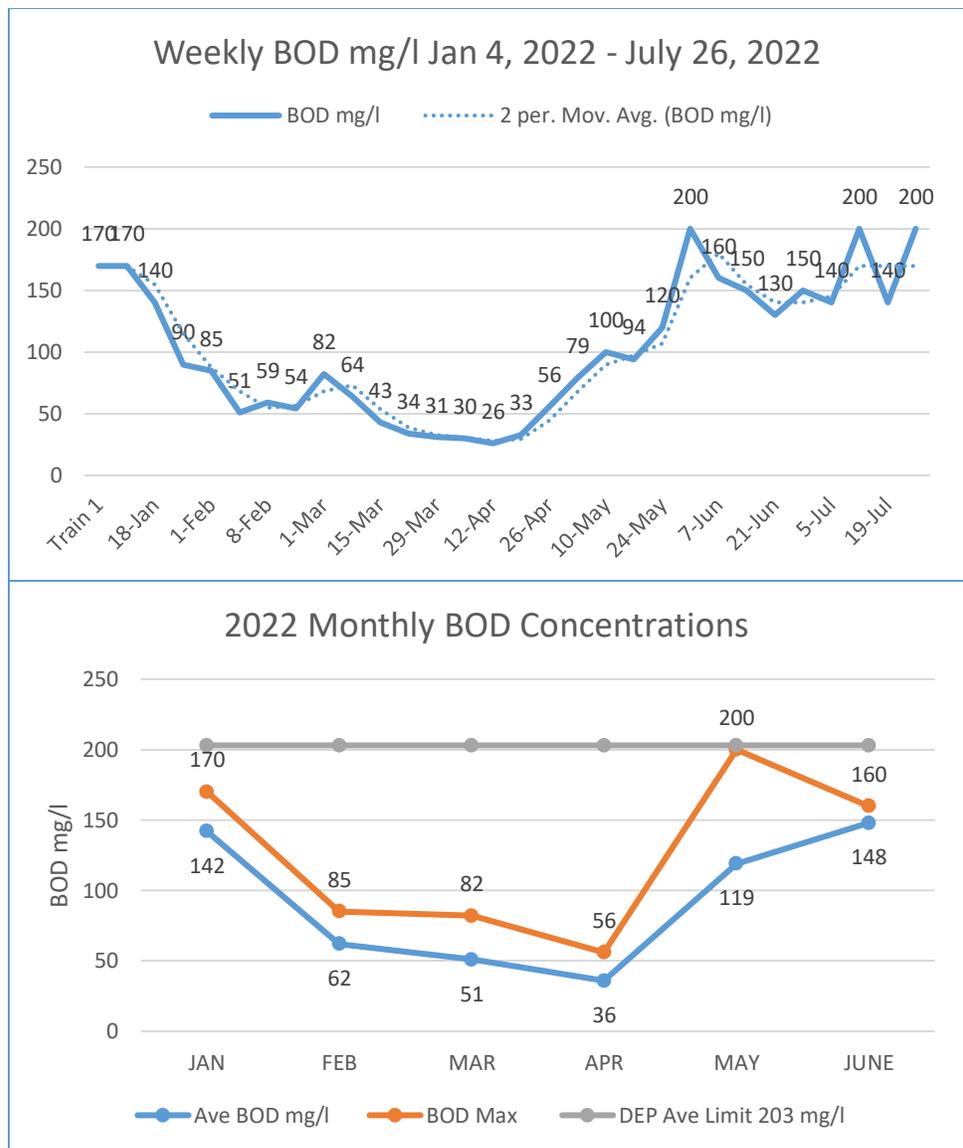
WWTP Monthly Performance Table

Parameters	June	May	April	YTD Lo	YTD Hi	YTD Ave	2021 Ave	DEP Limit	YTD Exceed- ances
Flow GPD	9987	8763	30851	8763	30851	15367	20228	<63,000	0
Precip inches	2.13	1.43	7.95	1.43	7.95	4.37	4.96	n/a	0
TSS lbs/day	2.8	1.7	1.5	1.5	2.8	1.9	2.6	<76	0
TSS lbs max	3.7	2.6	3.0	2.6	3.7	3.1	5.1	report	0
TSS mg/l ave	29	22	7.4	7.4	29.0	18	26.1	<145	0
TSS mg/l max	37	37	8.9	8.9	37	25.3	37.5	report	0
TSS % removal	87.2	92.4	97.5	87.2	97.5	93.0	89.7	>50	0
BOD lbs/day	14.2	9.1	7.1	5.4	16.9	9.9	15.2	<107	0
BOD lbs max	23.1	13.3	13.9	8.2	33.7	17.4	26.9	report	0
BOD mg/l ave	148	119	36	62.3	148	93.1	140.1	<203	0
BOD mg/l max	160	200	56	56	200	125.5	161.6	report	0
BOD % removal	49	59	87.5	49	87.5	67.8	51.6	>30	0
pH low	6.4	6.5	6.6	6.4	6.5	6.5	6.5	>6.0	0
pH high	6.7	6.8	6.8	6.7	6.8	6.8	6.7	<9.0	0
St solids ml/l	0.2	0.1	0.1	0.1	0.2	0.1	0.15	report	0
TRC mg/l max	.03	.03	.03	0.02	0.03	0.028	.03	<0.3	0
Fecal cfu ave	<4	<4	<4	<4	<4	<4	9.58	<14	0
Fecal cfu max	<4	<4	<4	<4	<4	<4	19.37	<31	0
Enterococcus cfu ave	<4	<6.58	<4	<4	<6.58	<4.72	10.8	<8	0

Enterococci max	<4	48	<4	<4	48	9.16	26.9	<54	0
Hg ng/l ave	na	na	na	na	na	na	18.28	33.4	0
Hg ng/l max	na	na	na	na	na	na	7.0	50.1	0

Note: The last exceedance for flow was 193 months ago (2/2006). The last exceedance for BOD monthly average was 11 months ago (8/2021). The last exceedance for fecal coliform was 10 months ago (9/2021). The last exceedance for enterococci was 10 months ago (9/2021). The record annual average low for flow was 12,017 gpd in 2017.

Weekly and Monthly Effluent BOD Concentration Trend Chart



IMPORTANT NOTE: Under separate cover, please see the attached “Weekly BOD Chart by Train” which better depicts when and which trains have been placed into operation since the beginning of the year to the present date. As you may note, it doesn’t appear that which train or how many trains are in operation has any definitive influence on effluent BOD concentrations. Also please note that all tanks and chambers were de-sludged on July 7 and since then to date, and likewise we have seen no influence on BOD concentrations either. Again whereas about 80% of the effluent BOD concentration is dissolved this should be of no surprise.

Drinking Water Department

June 2022 Production and Water Quality.

Purchased water for the month averaged 31,603 gpd compared to 37,171 gpd for the same month in 2021. The weekly free chlorine residual in the drinking water ranged from 0.16 - 0.31 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The EPA maximum concentration level (MCL) not to be exceeded for chlorine residual is 4.0 ppm. The monthly total coliform and e-coli water sample test results were both negative.

Sewer and Water Monthly Checking and Reserve Accounts

Attached herewith under separate cover are the monthly statements for water and sewer.

It should be noted that I have not found any separate wastewater reserve account for the \$7200 in USDA-RD funds that must be deposited each year. Moreover, in reviewing the monthly statements as far back as I could it appears accounting has not been depositing anything from the checking account into the regular wastewater reserve account for the last two years at least either.