

WATER/WASTEWATER UTILITY COMMITTEE AGENDA

Plover Municipal Board Room
2400 Post Road
Plover, WI 54467

Monday, October 16, 2023
5:20 p.m.

1. Call to order
2. Approval of the minutes of the meeting of September 18, 2023, as printed
3. Persons wishing to address the Committee
4. Approval of vouchers

Discussion with possible action on the following:

5. Ordinance 10-5-23 – Amendment to Chapter 502, Wastewater Utility, of the Village of Plover Municipal Code of Ordinances – Connection to Public Sewer
6. Village project change orders, substitutions, or construction approvals
7. Reports
 - a. Water System Manager
 - b. Wastewater System Manager
8. Such other business as is authorized by law
9. Adjournment subject to call of the chair

NOTICE IS HEREBY GIVEN that a majority of the members of the Village Board may attend this meeting to gather information about a subject over which they have decision making authority.

VILLAGE OF PLOVER
WATER WASTEWATER UTILITY COMMITTEE
September 18, 2023
5:00 p.m.

Members Present: Gary Wolf, Marv Hopp, Ken Brekke, Ross Ballard, Adam Raabe

Others Present: Steve Kunst, Julia Mann, Lyle Lutz, Matt Saloun, Al Tessman, Joe Terry, Tim Durigan

1. Mr. Wolf called the meeting to order at 5:00 p.m.
2. Mr. Raabe moved Mr. Hopp seconded approval of the minutes of August 24, 2023. Motion carried, copy attached.
3. There were no persons wishing to address the Committee.
4. Mr. Raabe moved Mr. Brekke seconded approval of the vouchers. Motion carried, copy attached.
5. ***** RECOMMENDATION TO VILLAGE BOARD *** Mr. Raabe moved Mr. Hopp seconded approval of Task Order #169 to the Professional Services Agreement with AECOM – Arbor Haven Phase 4 in the amount of \$38,670. Motion carried, copy attached.**
6. ***** RECOMMENDATION TO VILLAGE BAORD *** Mr. Hopp moved Mr. Brekke seconded approval of Task Order #168 to the Professional Services Agreement with AECOM – Porter Dr Twin Home Development in the amount of \$34,444. Motion carried, copy attached.**
7. Mr. Terry presented the water/sewer plans for the Porter Dr Twin Home Development. There was discussion on the vision triangle and manhole placement. Due to the possibility of extensive dewatering he is recommending one lateral only. Mr. Terry recommends our enforcement of the erosion control plans as submitted by the owner to the DNR.

***** RECOMMENDATION TO VILLAGE BOARD *** Mr. Raabe moved Mr. Brekke seconded approval of the water/sewer plans for the Porter Dr Twin Home Development contingent upon 100% compliance with DNR approved erosion control plans as submitted by the owner. Motion carried, copy attached.**
8. Mr. Lutz presented the McCain Foods Wastewater Discharge Agreement. He indicates the flow parameters were provided by McCain Foods and he added FOG for discharge testing. Also indicated their pretreatment system will be a step in the right direction and he has no issues working them. Mr. Hopp feels comfortable with this agreement because Mr. Lutz has approved it. Mr. Brekke asked about full monitoring and Mr. Lutz said there will always be checks and balances in place. Mr. Wolf asked if pretreatment for starch and Mr. Lutz replied that McCain removes the starch and treats it themselves. Process testing should begin around November with no full process date yet scheduled.

***** RECOMMENDATION TO VILLAGE BOARD *** McCain Foods Wastewater Discharge Agreement *** Mr. Hopp moved Mr. Brekke seconded approval of the McCain Foods Wastewater Discharge Agreement. Motion carried, copy attached.**
9. Mr. Saloun indicates 70% of the pumping has been from Well 3 on Pleasant Dr for quite some time due to the dryer summer. Mr. Brekke asked how the department handled the power outage and Mr. Saloun indicated that the backup generators and pumps were working great. Mr. Brekke moved Mr. Raabe seconded approval of the Water System Manager report, motion carried, copy attached.
10. Mr. Lutz indicated he will be hosting a demo on the vac truck Thursday morning and all members are invited to attend. Mr. Raabe moved Mr. Brekke seconded approval of the Wastewater System Manager report, motion carried, copy attached.
11. Mr. Hopp moved Mr. Brekke seconded adjournment at 5:32 pm. Motion carried.

Submitted by Pat Ladecki

Report Criteria:

[Report].GL Account Number = "70050221000000"-70051000000000"

Invoice Number	Sequence	Description	Type	Invoice/Check Date	Due Date	Invoice Amount	Net Invoice CheckAmount	GL Account Number
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RA24-I-0473	1	23-24 UTILITY ADVANCED ASSE	Invoice	10/06/2023	10/06/2023	2,195.24	2,195.24	7005040800
70050641000000								
1652 MARTELLE WATER TREATMENT								
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25921	1	MARTELLE WATER TREATMEN	Invoice	09/27/2023	10/05/2023	1,870.79	1,870.79	7005064100
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1692 MENARDS INC								
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89010	1	PLUMBING SUPPLIES	Invoice	08/30/2023	10/03/2023	124.75	124.75	7005064200
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2316461	1	Check No: 119639.1	Check	10/06/2023			2,430.00-	7005064200
2316461	1	WATER TESTING	Invoice	09/27/2023	10/03/2023	2,430.00	2,430.00	7005064200
2528 SPEE DEE DELIVERY SERVICE INC								
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897142	1	SPEE DEE DELIVERY SERVICE	Invoice	09/30/2023	10/05/2023	7.25	7.25	7005064200
2931 VILLAGE OF PLOVER WATER UTILITY								
3RD 2023	9	Check No: 119656.9	Check	10/06/2023			335.00-	7005064200
3RD 2023	9	3RD 2023	Invoice	09/27/2023	09/27/2023	335.00	335.00	7005064200
3183 WI STATE LAB OF HYGIENE - ACCTS REC								
756026	1	Check No: 119659.1	Check	10/06/2023			28.00-	7005064200
756026	1	FLUORIDE TESTING	Invoice	09/30/2023	10/05/2023	28.00	28.00	7005064200
70050662000000								
936 FERGUSON WATERWORKS #1476								
0400611	1	Check No: 119628.1	Check	10/06/2023			976.88-	7005066200
0400611	1	METAL LOCATOR	Invoice	10/02/2023	10/03/2023	976.88	976.88	7005066200
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1251 HYDROCORP INC								
0074379-IN	1	Check No: 119631.1	Check	10/06/2023			1,219.00-	7005066500
0074379-IN	1	HYDROCORP INC	Invoice	09/29/2023	10/05/2023	1,219.00	1,219.00	7005066500
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615 CORE & MAIN LP								
T648648	1	Check No: 119622.1	Check	10/06/2023			2,739.40-	7005067300
T648648	1	CORE & MAIN LP	Invoice	09/27/2023	10/03/2023	2,739.40	2,739.40	7005067300
907 FAHRNER EXCAVATING INC								
E-11236	1	Check No: 119627.1	Check	10/06/2023			1,430.00-	7005067300
E-11236	1	FAHRNER EXCAVATING INC	Invoice	09/26/2023	10/03/2023	1,430.00	1,430.00	7005067300
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393439	1	CELLCOM	Invoice	09/23/2023	10/05/2023	488.88	488.88	7005092100
1602 LUMEN/CENTURYLINK								
660279522	7	Check No: 119633.7	Check	10/06/2023			.08-	7005092100
660279522	7	DAIN	Invoice	10/04/2023	10/04/2023	.08	.08	7005092100
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555 CLIFTON LARSON ALLEN LLP								
3852994	3	Check No: 119621.7	Check	10/06/2023			367.50-	7005092300
3852994	3	2022 AUDIT BILLING	Invoice	10/05/2023	10/05/2023	367.50	367.50	7005092300
3898938	3	Check No: 119621.3	Check	10/06/2023			368.52-	7005092300
3898938	3	2022 AUDIT FINAL BILLING	Invoice	10/04/2023	10/04/2023	368.52	368.52	7005092300
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Invoice Number	Sequence	Description	Type	Invoice/Check Date	Due Date	Invoice Amount	Net Invoice CheckAmount	GL Account Number
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7620681632	8	Check No: 1000139.8	Check	10/06/2023			302.58-	7005092600
7620681632	8	OCT 2023 LTD	Invoice	10/04/2023	10/04/2023	302.58	302.58	7005092600
70050932000000								
1886 NORTHERN TOOL & EQUIPMENT								
52712588	1	Check No: 119640.1	Check	10/06/2023			370.00-	7005093200
52712588	1	BENCH VISE	Invoice	10/05/2023	10/06/2023	370.00	370.00	7005093200
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1488 KWIK TRIP INC								
SEPT 23	5	Check No: 1000138.5	Check	10/06/2023			1,618.44-	7005093300
SEPT 23	5	SEPT	Invoice	10/05/2023	10/05/2023	1,618.44	1,618.44	7005093300
1811 NAPA - CENTRAL WI AUTO PARTS								
361754	1	Check No: 119638.1	Check	10/06/2023			8.99-	7005093300
361754	1	VEHICLE MAINTENANCE	Invoice	10/05/2023	10/05/2023	8.99	8.99	7005093300
361754	2	Check No: 119638.2	Check	10/06/2023			12.54-	7005093300
361754	2	VEHICLE MAINTENANCE	Invoice	10/05/2023	10/05/2023	12.54	12.54	7005093300
3576 KING LUBE								
267567	1	Check No: 119632.1	Check	10/06/2023			37.17-	7005093300
267567	1	OIL CHANGE	Invoice	10/02/2023	10/02/2023	37.17	37.17	7005093300

GLSummarySection

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70050662000000	976.88	976.88-	.00
70050665000000	1,219.00	1,219.00-	.00
70050673000000	4,169.40	4,169.40-	.00
70050921000000	488.96	488.96-	.00
70050923000000	736.02	736.02-	.00
70050926000000	302.58	302.58-	.00
70050932000000	370.00	370.00-	.00
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Report Criteria:

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Report Criteria:

[Report].GL Account Number = "60011100"."60059200000000"

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660 CT LABORATORIES LLC								
179766	1	Check No: 119623.2	Check	10/06/2023			600.00-	6005410031
179766	1	INDUSTRIAL FOG TESTING	Invoice	07/25/2023	10/13/2023	600.00	600.00	6005410031
181379	1	Check No: 119623.1	Check	10/06/2023			16.00-	6005410031
181379	1	EFFLUENT CHLORIDE TESTING	Invoice	10/04/2023	10/04/2023	16.00	16.00	6005410031
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1488 KWIK TRIP INC								
SEPT 23	4	Check No: 1000138.4	Check	10/06/2023			646.83-	6005410032
SEPT 23	4	SEPT	Invoice	10/05/2023	10/05/2023	646.83	646.83	6005410032
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555 CLIFTON LARSON ALLEN LLP								
3852994	2	Check No: 119621.6	Check	10/06/2023			236.20-	6005410033
3852994	2	2022 AUDIT BILLING	Invoice	10/05/2023	10/05/2023	236.20	236.20	6005410033
3898938	2	Check No: 119621.2	Check	10/06/2023			682.41-	6005410033
3898938	2	2022 AUDIT FINAL BILLING	Invoice	10/04/2023	10/04/2023	682.41	682.41	6005410033
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775 DONOHUE & ASSOCIATES INC								
14329-01	1	Check No: 119626.1	Check	10/06/2023			9,256.30-	6005410033
14329-01	1	FINAL PCAP ENGINEERING FE	Invoice	10/05/2023	11/03/2023	9,256.30	9,256.30	6005410033
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1602 LUMEN/CENTURYLINK								
660279522	6	Check No: 119633.6	Check	10/06/2023			.12-	6005410034
660279522	6	DAIN	Invoice	10/04/2023	10/04/2023	.12	.12	6005410034
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2931 VILLAGE OF PLOVER WATER UTILITY								
3RD 2023	8	Check No: 119656.8	Check	10/06/2023			2,587.22-	6005410034
3RD 2023	8	3RD 2023	Invoice	09/27/2023	09/27/2023	2,587.22	2,587.22	6005410034
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1890 NORTHWAY COMMUNICATIONS INC								
227.50	1	Check No: 119641.1	Check	10/06/2023			227.50-	6005410041
227.50	1	TWO WAY RADIO TROUBLESH	Invoice	09/29/2023	10/27/2023	227.50	227.50	6005410041
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2707 THE HARTFORD								
7620681632	7	Check No: 1000139.7	Check	10/06/2023			301.34-	6005410051
7620681632	7	OCT 2023 LTD	Invoice	10/04/2023	10/04/2023	301.34	301.34	6005410051

GLSummarySection

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60054100332000	9,256.30	9,256.30-	.00
60054100341000	.12	.12-	.00
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60054100410000	227.50	227.50-	.00
60054100516000	301.34	301.34-	.00

Report Criteria:

[Report].GL Account Number = "60011100"-60059200000000"

Wastewater Treatment Facility Memo

To Gary Wolf, Steve Kunst, Utility Committee, Trustees
From Lyle Lutz
Date Wednesday, October 11, 2023
Subject Chapter 502-7. A.1 Lateral Connections; Amendment 10-5-23

With the completion of the new public sanitary sewer installation on River Drive, the Village ordinance of lateral connections in Chapter 502 needs to be revised. Attached are the recommended changes to the ordinance with modifications in red.

The sole purpose of the revisions is to not “forcibly” require immediate connection to the River Drive new public sanitary sewer install but place an imminent connection requirement of when the effected resident’s private (septic) systems fail. These residents were made aware of the proposed amendments and given the option as part of the new sanitary installation of having sanitary laterals installed at the contractor bid rate. Due to the length of some of the sanitary service laterals, the initial cost likely was a deterrent for immediate installation. At the time of the private system failures, the cost for the sanitary lateral installation and connection would likely be similar what a new private system replacement and many residents decided to defer the costs till such time.

There are only a few (<10 I believe) Village residences outside of the River Drive sewer extension project that do not have access to public sanitary sewer services that would fall into the same scenario. The only other time that this would also come into play is if an area is annexed that has Village of Plover public sanitary services accessible (ex: Porter Road – East and South of I-39 and Porter Road) if that ever were to be annexed. After a potential annexation, connection to the public sanitary services could happen any time the property owner wishes to up to or upon the private system failure.

ORDINANCE 10-5-23

Amendment to Part II
GENERAL LEGISLATION

AN ORDINANCE TO AMEND CHAPTER 502 OF PART II OF THE CODE OF ORDINANCES OF THE VILLAGE OF PLOVER RELATING TO THE WASTEWATER CONNECTION TO PUBLIC SEWER

The Village Board of the Village of Plover DO ORDAIN AS FOLLOWS:

1. That Section 502-7 be amended as follows:

facility at times and conditions specified by the Village. The septage hauler shall provide the following information when discharging septage:

- [1] Name of the hauler.
- [2] Type of septage.
- [3] Quantity of septage.
- [4] Date and time of discharge to the sewerage system.
- [5] Source of septage.
- [6] Other information.

§ 502-6. Delinquent sewer charges.

- A. Penalty. Any sewer charge remaining unpaid 20 days after being issued shall be charged a penalty of 1 1/2% per month.
- B. Joint liability for bills. Wastewater Utility billing accounts shall be listed under the name of the owner of the premises. The owner of the premises, the occupant thereof and the user of the service shall be jointly and severally liable to pay for the service to such premises, and the service is furnished to the premises by the Wastewater Utility only upon the condition that the owner of the premises, occupant and user of the services are jointly and severally liable therefor to the Wastewater Utility.
- C. Collection of bills in arrears.
 - (1) Authority. All sewer service charges unpaid and in arrears on October 1 of each year shall be collected in accordance with the procedure hereinafter provided pursuant to the authority granted in § 66.0821, Wis. Stats.
 - (2) Procedure.
 - (a) On or about October 1 of each year, the Village Treasurer shall furnish the Clerk with a list of all unpaid Utility bills, including penalties, which are in arrears.
 - (b) On October 15 of each year, the Clerk shall mail notice of such arrearages by first-class mail to the occupant and to the owner of the premises receiving such Utility service.
 - (c) In the event that any such Utility bill is not paid by November 1 thereafter, the Clerk shall add a penalty of 10%.
 - (d) In the event that any such Utility bill is not paid on or before November 15 thereafter, the Clerk, on November 16, shall place the amount of such

arrearages, together with penalty, on the tax roll as a tax against the lot or parcel of real estate for which sewer services were provided.

§ 502-7. Connection to public sewer. [Amended by Ord. No. 2-16]

A. Required.

- (1) The owners of all **new** houses, **new** buildings, or **new** properties used for human occupancy, employment, recreation or other purposes, situated within the Village and abutting on any street, alley or right-of-way in which there is now located or **planned** ~~may in the future be located~~ a sanitary sewer, shall be required, at the owner's expense, to install suitable toilet facilities therein and to connect such facilities directly with the proper ~~public~~ **sanitary** sewer within six months of said ~~public~~ **sanitary** sewer becoming available, in accordance with the provisions of Chapter 413, Plumbing Standards, of this Code. **Any houses, buildings, or properties within the Village that were designed and are serviced with private sewage disposal systems prior to a planned sanitary sewer installation can at any time and at the parcel owner's expense, connect and transfer sewage to the installed sanitary sewer extension after the sanitary sewer installation is complete and in service. Upon the identification of a failure of any private sewage disposal system within the Village where a sanitary sewer installation has been completed, the parcel owner shall be required to connect and transfer all sewage discharge to the sanitary sewer system with the installation of a sanitary sewer lateral at the parcel owners expense.**
- (2) Meters for private wells. Any facility connected to the public sewer and served by a private potable water well shall have a water meter installed on the well for the purpose of determining the volume of water used for sewer billing purposes. Meters for private wells shall be placed in service no later than January 1, 1994. Meters shall be obtained from the Plover Wastewater System. Meters shall be installed in a location of easy access. Meter sets of the appropriate length for the meter installed shall be provided by the property owner along with upstream and downstream valves. Meters shall be installed prior to any branching or outlet in the water supply plumbing. Damage done to meters due to neglect, freezing, etc., as determined by the Wastewater System Manager or his designee, shall be repaired and charged back to the customer. Upon installation of a meter on a private well, the user shall be considered a metered sewer user. The user shall be billed for sewer service as stated in § 502-5 of this chapter. In addition to the minimum sewer charge, the user shall be charged a quarterly service fee for the meter in accordance with the Village Fee Schedule.⁶
- (3) Private water supply wells dedicated to and used solely for irrigation purposes are exempt from the metering requirements in Subsection A(2) above.

B. Exceptions. When a public sanitary sewer is not available, any existing building sewer shall be connected to a private sewage disposal system complying with the provisions of this section.

C. Building sewers.

- (1) A water/wastewater connection permit shall be obtained prior to connection of any building sewer.
- (2) All premises shall have a service lateral with a minimum diameter of four inches.

~~Building sewer~~ shall be as required by the Wisconsin Plumbing Code. All building ~~sewers from the lot line to the premises served shall be installed by, and the cost paid by, the owner of the property served or the applicant for service. A locator wire shall be affixed to the lateral, connected to any existing warning wire, and run from the existing service lateral to the outside of the building foundation. The wire shall be brought to the surface along the outside wall of the building and terminated in a covered electrical box. The locator wire shall meet Village specifications. Building~~

6. Editor's Note: See Ch. 1600, Fees

2. This amendment to Part II, General Legislation, shall take effect upon passage. Adopted by the Village Board of the Village of Plover this 18th day of October 2023.

Gary Wolf, Village President

ATTEST: _____

Tammy Wojtalewicz, Village Clerk



Water System Report

To: Utility Committee, Steve Kunst, Gary Wolf
From: Matt Saloun, Water System Manager
Date: 010/16/2023

Agenda_

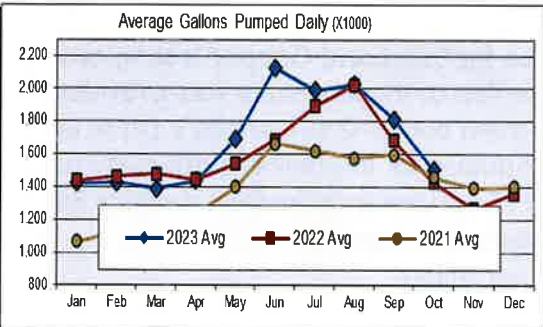
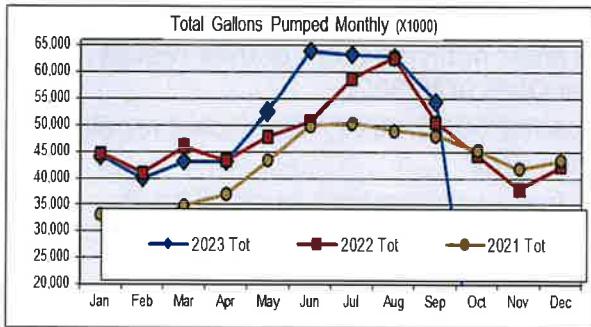
Report_

- Completed 3rd quarter meter reading.
- The Wisconsin Department of Natural Resources requires customers who provided water samples for Lead and Copper testing receive a letter notifying them of their results. Certification of these results was provided to the DNR 9/20/2023.
- Water main break- 2341 Annes's Drive leak repaired 09/22/2023. Significant repairs were required for the owner's driveway and swale area.
- Our 2017 service truck received minor damage from a contractor's truck. This is currently being repaired.
- Water sampling-
 - EPA's 5th Unregulated Contaminant Monitoring Rule (UCMR5)- This is a Per-and polyfluoroalkyl substance (PFAS) plus lithium testing panel. Sampling event 1(SE #1) is completed. (9/11/23) Results indicated "no-detects".
 - EPA has received and approved the results. (9/29/23)
 - We will have a SE#2 in March of 2024.
- Water System survey returned to DNR. (10/5/23)
- Harvest Acres- The final lift was paved 10/7/23. The paving crew did not properly adjust valve box elevations. On 10/11/23 Switlick came in to make the needed adjustments. The development and village are working with American Asphalt to resolve the necessary patching needed around the valve boxes.
- Village road projects- These projects are in the final stretch of completion. Staff have been making necessary adjustments and repairs as needed.
- Leak detection program- Staff is performing system maintenance to locate leaks. So far two leaks have been discovered.
 - 2800/02 Washington Ave- owner's service lateral. (9/26/23)
 - 431 Covenant Dr- owner's service lateral. (9/25/23)
- Staff is also working on valve maintenance and exercising.
- Water Way- Hungerford & Terry control panel failed during a power cycle. We were able to reset the program. (9/8/23) We are scheduling a service call to investigate further.
 - LW Allen- Serviced the control panel. Discovered some lose controllers. Everything was power cycled and we also performed a backup generator transfer to test. They also programmed an "off" setting on the nitrate analyzer to reduce unnecessary wear and tear when the wells aren't running.
- Private well notifications and inspections have been completed for 2023. Well permitting is a DNR and Village ordinance requirement.

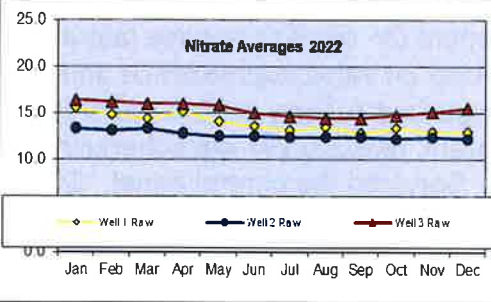
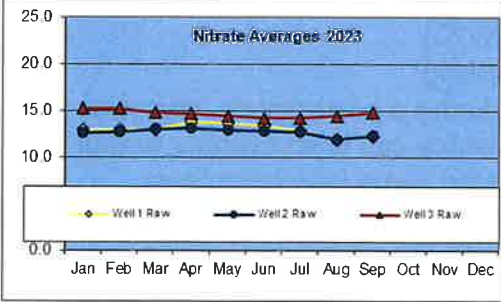
Water System Report

Pumping Report

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Summary		
2023	Well 1	10,902	12,485	11,321	21,722	20,644	11,373	7,797	7,077	2,618				105,939	22.65%	Tot
2023	Well 2	19,481	13,770	11,530	9,401	14,070	15,218	9,293	9,396	14,469				116,628	24.94%	Tot
2023	Well 3	13,792	13,719	20,282	12,005	17,923	37,319	46,223	46,434	37,416				245,113	52.41%	Tot
2023	Tot	44,175	39,974	43,133	43,128	52,637	63,910	63,313	62,907	54,503	0	0	0	467,680		Tot
2023	Avg	1,425	1,427	1,391	1,437	1,697	2,130	1,992	2,029	1,916	1,595					Avg
2023	Max	1,629	1,587	1,697	1,693	2,325	2,622	2,615	2,353	2,228	1,716					Max
	Date of Maximum	27-Jan	7-Feb	22-Mar	11-Apr	30-May	4-Jun	25-Jul	7-Aug	8-Sep						
	Min	1,237	1,268	1,045	1,120	1,345	1,394	1,631	1,627	1,370	1,164					Min
	Date of Minimum	14-Jan	26-Feb	12-Feb	7-Apr	1-May	10-Jun	6-Jul	13-Aug	30-Sep						
2022	Tot	44,659	40,999	45,891	43,363	47,854	50,685	58,772	62,751	50,548	44,346	38,044	42,212	570,124		Tot
2022	Max	1,710	1,691	1,820	1,659	1,893	2,227	2,490	2,549	2,014	1,686	1,408	1,548	2,549	Max	
2022	Avg	1,440	1,464	1,480	1,445	1,543	1,689	1,895	2,024	1,684	1,430	1,268	1,362	1,561	Avg	
2021	Tot	33,094	31,389	34,768	37,038	43,403	49,949	50,325	48,948	48,024	45,197	41,833	43,404	507,372		Tot
2021	Max	1,233	1,409	1,251	1,424	1,742	2,010	2,281	2,058	1,993	2,004	1,642	1,673	2,281	Max	
2021	Avg	1,067	1,124	1,121	1,234	1,400	1,665	1,623	1,578	1,600	1,460	1,394	1,400	1,389	Avg	

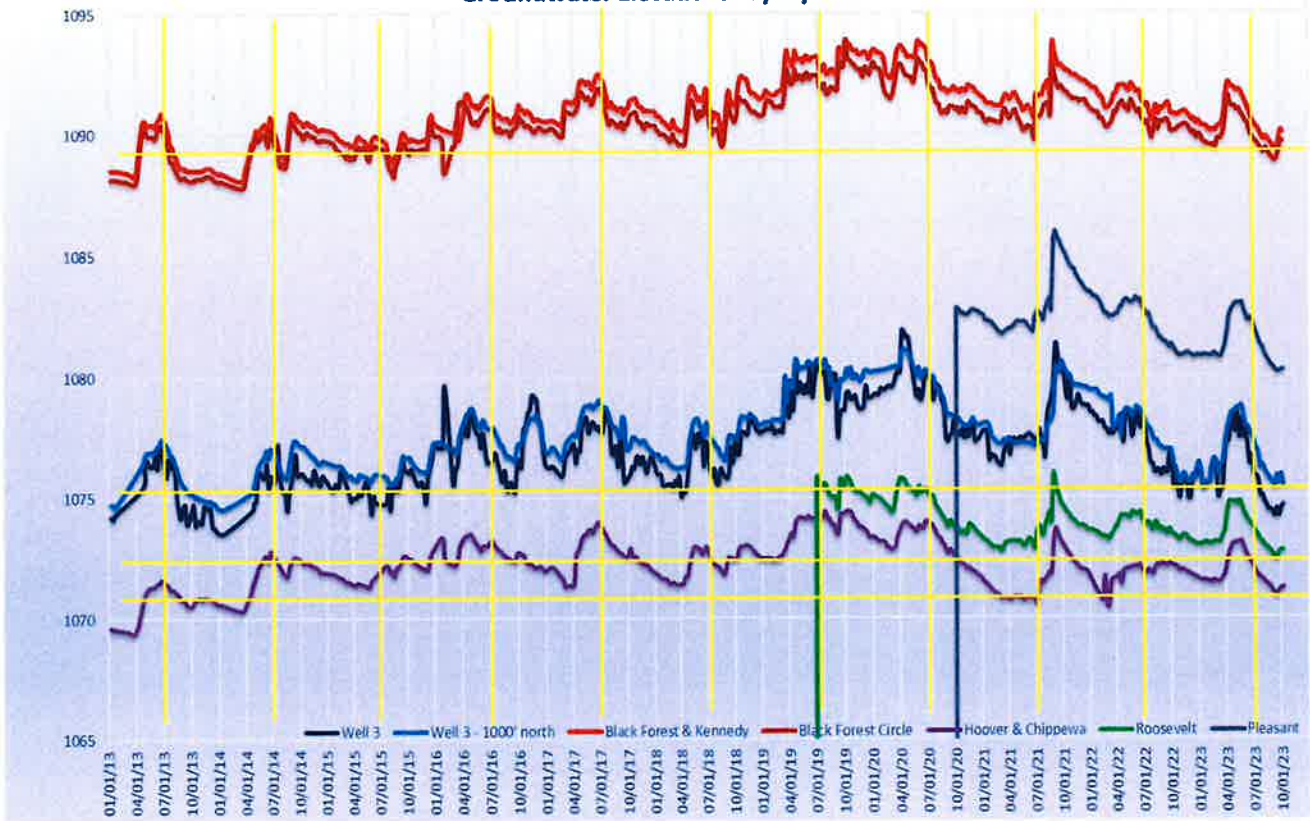


Nitrate Report - 2023													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Well 1 Raw	12.9	12.9	12.9	13.8	13.7	13.3	12.8	11.9	12.2				
Well 2 Raw	12.6	12.7	13.0	13.1	12.9	12.8	12.7	11.9	12.3				
Well 3 Raw	15.2	15.2	14.8	14.7	14.4	14.2	14.2	14.4	14.8				
Well 1&2 Dist	7.5	7.6	7.7	7.9	7.7	7.3	7.0	6.5	7.3				
Well 3 Dist	8.3	8.4	8.1	7.6	8.0	7.5	7.4	7.5	7.0				
Nitrate Report - 2022													
Well 1 Raw	15.5	14.8	14.4	15.1	14.1	13.5	13.1	13.4	12.8	13.3	12.9	12.9	
Well 2 Raw	13.3	13.1	13.3	12.8	12.5	12.5	12.4	12.4	12.4	12.2	12.4	12.2	
Well 3 Raw	16.4	16.2	16.0	16.0	15.8	15.0	14.6	14.4	14.4	14.7	15.1	15.5	
Well 1&2 Dist	7.3	7.5	7.2	7.3	7.1	7.4	7.2	7.2	7.2	7.7	7.4	7.5	
Well 3 Dist	7.9	7.9	8.1	8.0	8.1	8.1	8.2	8.2	8.8	8.6	8.3	8.3	



Water System Report

Groundwater Elevations 10/09/2023



WASTEWATER UTILITY

MONTHLY REPORT

October 16, 2023

Report

1. The biosolids processing screw press developed some holes in the screen panels on the front-end stages of the machine. Necessary replacement panels were ordered and received. During installation it was identified that the parts breakdown in the OEM shop drawings were incorrect and fine pore replacement panels were ordered and received rather than what was supposed to be larger pore screen material. The screw press was assembled to maximize the panel placements to get the machine back up and running. The equipment manufacturer (Schwing) was contacted about the issue, and they are looking into resolutions for correcting the original shop drawings and to provide the correct parts. A full set of correct screen panels will be budgeted for in the 2024 budget as only the necessary panels were replaced at this time and as preventive maintenance the rest will be replaced in 2024.
2. During inspections of the return activated sludge pumps, it was identified that one of the original Fairbanks Morse pumps has substantial wear that would require multiple replacement parts to bring back to specified operating capacity. Replacement parts quote came in over ¾ of the replacement pump quote. This pump has served well over the planned 20-year life span (installed 1987) and will be replaced with a direct aftermarket replacement ABBA pump and funds would come from the replacement fund balance.
3. One of the 10hp Flygt submersible influent pumps had the seals fail prematurely. This pump has a history of repeated seal failures, so the pump was sent to the flygt service shop for inspection. They identified multiple issues with motor rotor, windings, housings that in turn made the repair cost exceed the cost of a new pump. This pump has served about half of its predicted life expectancy of 20 years. A replacement pump was ordered, and half of the cost will be assessed to replacement funds to reflect the used life expectancy.
4. One of the three Roots digester blowers sustained a bearing failure on the blower core and seized up the blower. The blower was removed and sent to a repair shop for a rebuild. The rebuilding is in progress and expected to be completed within a couple weeks.
5. American Asphalt hit and damaged a manhole casting during pulverizing the asphalt on Monica drive. The manhole had to be vac'ed out and a new casting installed. Invoicing for the incidental work is being prepared for reimbursement by American Asphalt.
6. All the manholes in Corporate Drive, Tall Pine, Precision drive and Grant drive were rebuilt to bring to the proposed grades of the planned asphalt overlay. A special thanks goes out to the Public Works department in the assistance of the rebuilds on Grant. The manhole castings on that road were set in concrete under the existing asphalt which made the typical rebuilding process much more complicated and labor intensive. The assistance provided made those go much smoother and efficient to not delay any other projects.
7. The facility received 244,360 gallons of septage, 101,500 gallons of holding tank, and 666,602 gallons of leachate in August. Plant processes have been challenged with the poor performance of

the screw press and the higher than typical solids loading returning to the plant because of the screen efficiency. With the screw press back up in operation, the main task at hand is removing excess plant total solids back down to typical operating range. Microbiology prefers a general food to microbe ratio. With high solids comes high microbe populations that tend to starve with the typical incoming food for them in the influent. While the plant can operate and the effluent looks very good, the plant is not nearly as efficient running under the high solids loading.

Parameter Units	Flow MGD	CBOD mg/l	Suspended solids mg/l	Phosphorus mg/l	Effluent Fecal Coliforms CFU/100ml
Design / Limit	1.800	25	30	0.93	400
September average	1.4615	<2.5	3.3	.18	84

8. Donohue engineering worked with staff on submitting the Final Phosphorus compliance plan to the DNR by the September 30, 2023 deadline. As part of the report, Donohue highlighted the recent concept that a Phosphorus trading option might be available to the village with the future planned watershed based solar field/facilities. Due to large areas of agriculture land that may be taken out of production, if the land is managed fashions, natural Phosphorus reductions create credits that the Village Wastewater facility could "trade" trade with to meet future compliance limits. Village staff will be exploring the resource and viability of such a trading option.
9. The annual collection system cleaning has been completed on the northern most 1/3 of the Village's sanitary sewer collection system. Staff will continue to work on inspection of areas that have been historical areas of concern.
10. A combination Jet/Vac truck demo was held at the WWTF. The truck was brought by Envirotech Equipment who represent the VacCon equipment lineup. This was a follow-up demonstration as in the first demonstration several months ago, a problem developed with the water pumping system. The problems were all rectified, so they wanted to make sure we were able to see and operate the truck in its full capacity. Along with the demonstration, management was able to discuss the details of what was required for equipment in a proposal. Envirotech has since provided the requested quote. Two manufacturers have provided quotes on equivalent builds. McQueen equipment represents the Vactor lineup, and a demo had been previously done with them as well. The proposals are very close, and management is in the process of weighing the pros and cons of each. The truck will be looked to be budgeted for in the 2024 budget. Once the budget is approved, the equipment will be ordered as early as possible in 2023 to ensure that a 2024 delivery is possible. One of the most limiting factors on timing of taking delivery is the truck chassis availability. The earlier we can select the manufacture of jet/vac truck of choice; the chassis could get ordered for the truck to be built on.
11. A revision of Chapter 502- lateral connections is being brought forward to address the connection timeline requirements of Village residents who currently have private septic systems and public sanitary sewer becomes available. This all comes to light with the long time planned sanitary sewer extension on River Drive. This area was one of only a few left in the village where public sanitary sewer had never been installed. Under the current ordinance, the residents would be required to

physically connect and abandon their current private (septic) system within 6 months of the installation of public services. The Village approached the area with the intent of providing a flexible timeline of connection requirement. Residents on River Drive were given the option of installing sanitary service laterals as part of the Sanitary Utility installation project. A bid rate was given for such installations if they chose to move forward with that. The ordinance revision does provide the option of deferring connection to the public utilities up to or at the time of private system failure. Moving forward there are only a handful (<10 residents) in other areas that would be affected with the ordinance change in the event public sanitary sewer services became available.

