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DATE: August 16th, 2022

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 Andrew Waldron, Jacobs
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This report describes our activities during the month of July 2022. If you require additional information that would make these monthly reports more useful to you, please let us know. Permit compliance report data is submitted to the Department of Environment Great Lakes and Energy (EGLE) electronically.

Treatment Plant

	July	Last Month	Last Year
Influent flow daily average, GPD	73,052	62,170	91,676
Monthly electrical usage, Kw Hrs	28,991	24,296	26,312

The decrease in flow this year from last year is mostly due to the decrease in residential sump connections and decrease in heavy rain events.

Available effluent data indicates full compliance with groundwater discharge permit for July. All plant operations went well.

Village staff mowed the infiltration beds and plant grounds.

Our regional EGLE ground water regulator Barry Christian toured the facility on July 7th. EGLE conducts tours of all waste water facilities approximately every 3-5 years. The tour went well and information requested that wasn't available at the treatment plant was provided via email.

Lift Stations / Collection System

On July 19th and 20th GFL (formerly Northern A-1) jet cleaned the gravity sewer from manhole #128 to the 7th St. lift station. They encountered a few areas of build up in the line that were causing some flow restriction. Overall, the cleaning went well and the sewer is flowing at a normal velocity. There is one manhole that will require a confined space entry to inspect the condition of the concrete around the pipe. We plan to perform this inspection in fall once traffic has slowed.

Residential Grinder pumps

As part of our due diligence to reduce repeat call outs to residential grinders we perform the following checks before leaving the site. Table 1 below summarizes our grinder pump responses. More details can be provided upon request.

- ✓ Tighten all control connections within control cabinet.
- ✓ Remove grease and debris from grinder tank.
- ✓ Remove all grease buildup from float switches.
- ✓ Verify all float switches operate properly and are positioned properly.
- ✓ Confirm proper pump operation.
- ✓ Verify alarm light is operational and audible alarm, if applicable.
- ✓ Inspect wet well components.
- ✓ Replace both the start and run capacitor.
- ✓ Inform homeowner of findings and what not to put in their sewer.

Table 1: Grinder Pump Responses

Date	Location	Alarm/Issue	Resolution
7-2-22	12914 Northport Point Rd.	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Wet wipe stuck in pump • Adjusted control float switch levels
7-3-22	12833 Northport Point Rd.	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Replaced the start capacitor
7-3-22	601 South Shore Drive	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Replaced the start capacitor • Noted sump pump contributing significant flow to wet well
7-8-22	551 South Shore Drive	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Wet wipe stuck in pump
7-14-22	107 Park Street	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Replaced both capacitors • Replaced grinder pump • Cleaned the pump well
7-22-22	601 South Shore Drive	<ul style="list-style-type: none"> • High Level • Pump Overload 	<ul style="list-style-type: none"> • Adjusted float control switches • Sump pumping into well
7-29-22	12825 Northport Point Rd.	<ul style="list-style-type: none"> • High Level • Pump Overload 	<ul style="list-style-type: none"> • Replaced capacitors and pump starter • Replaced wiring from wet well to the control cabinet •
7-30-22	13075 Northport Point Rd.	<ul style="list-style-type: none"> • High Level 	<ul style="list-style-type: none"> • Replaced start capacitor • Replaced pump • Removed grease from pump well and float

			<ul style="list-style-type: none"> control switches Removed a large amount of roots from pump well
7-29-22	400 West St.	<ul style="list-style-type: none"> Pump Overload 	<ul style="list-style-type: none"> Replaced capacitors

On the Horizon

Task	Update	Estimated time of completion
Aeration blower #2 repair or replacement	Working with new supplier Kennedy Industries	Fall 2022
Landia mixer #4	NLTUA issued replacement PO	Fall 2022
7th St. station and main lift station controller replacement	Obtaining cost for direct replacement controller	Fall 2022
Repair utility sink cold water line	Schedule repair	Fall 2022
Hach SC 100 replacement	Received unit. Scheduling install	Summer 2022
Main lift station re-lining	No updates	2023
Force main cleaning from main lift station to plant	Determining what is needed to perform cleaning	2023
Settling basin engineering evaluation	No updates	2023
Capacity evaluation task 1 and 2	No updates	2023
Ferric Chloride room day tank relocation	No updates	2023

Financial Report

Not available at time of report.

If you have any questions or concerns, please feel free to contact us.

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