



Date: February 17, 2025

To: City of Hinckley

From: Jerry Williams, Operator

O & M Report: January 2025

## Water Operation & Maintenance

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- Completed daily rounds.
- Completed monthly fluoride report and sent to MN Dept of Health.
- We backwashed Water Treatment Plant #1 & #2 once a week.
- Completed Gopher one Locates.
- WTP chemicals delivered by Hawkins Chemical company.
- Water leak at the school, service line broke. Put a heated hose from the school building to the Post office to supply water to the building, which is the old Dentist Office.
- Power Company completed an audit of facilities to investigate saving energy at WTP and WWTP.
- Call out for a frozen water line at the building next to McDonalds. Shut water off.
- Lawler Ave South 406 and 408 both had frozen water lines inside the residence.
- 401 old Hwy 61 called about low water pressure; line was starting to freeze.
- Water turned off at the old Holiday Station.
- Tried locating a curb stop at the school, which is the old church on 1<sup>st</sup> Street Northeast bur the line is plastic with no tracer wire. Could not locate. Will try to locate it in the spring.

## Wastewater Operation & Maintenance

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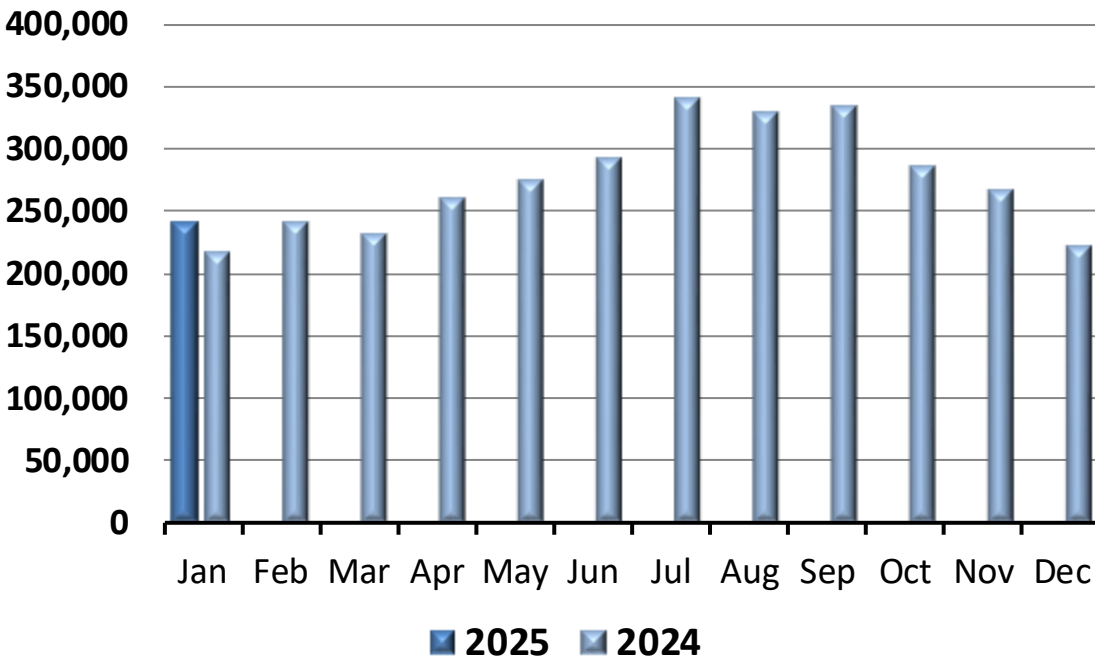
- Completed daily rounds.
- We collected weekly samples and sent them into the lab for analysis.
- We completed the monthly DMRs and sent them into the state.
- Added the Mega bugs every Wednesday to the southwest holding pond.



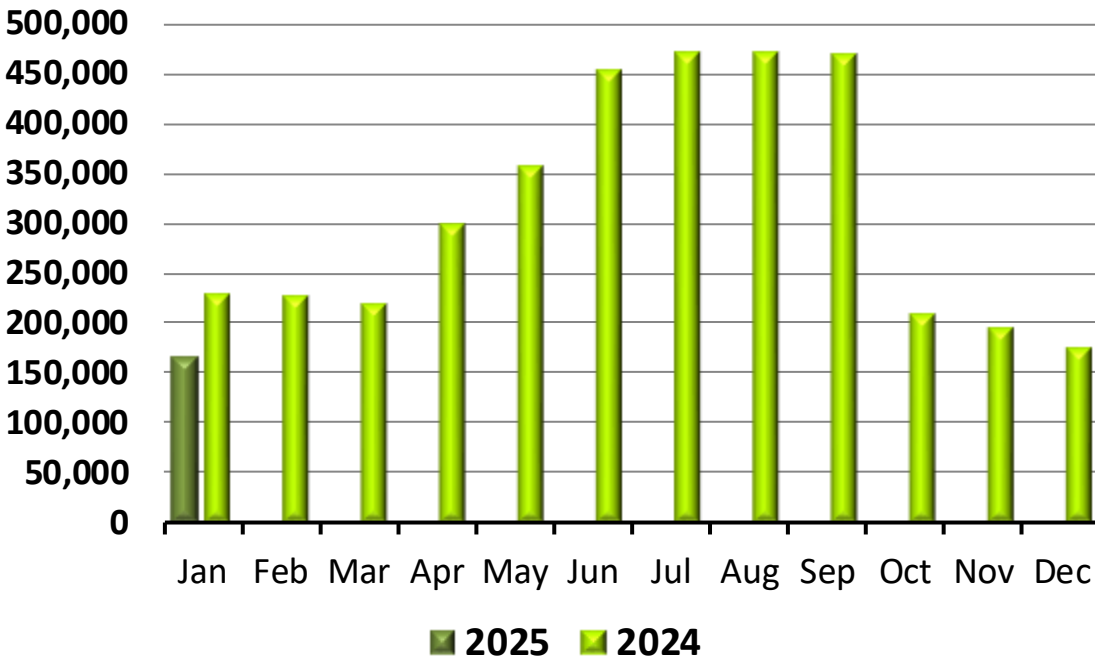


- Added the T195 bugs to the west aerator pond daily.
- Completed daily Dissolved Oxygen readings daily.
- Cleaned the Dissolved Oxygen meter weekly.
- Cleaned the fine screen weekly.
- We had all the chemicals filled as needed.
- All lift stations were cleaned.

**Average Daily Water Pumped - In Gallons**



**Average Daily Wastewater Pumped - In Gallons**



Water		January-25	December-24	January-24
	<b>Units</b>			
<b>Average Daily Pumped</b>	gallons	241,290	222,845	217,806
<b>Maximum Daily Pumped Well #3</b>	gallons	315,000	396,000	243,000
<b>Maximum Daily Pumped Well #4</b>	gallons	155,000	160,000	112,000
<b>Maximum Daily Pumped Well #5</b>	gallons	149,000	142,000	129,000
<b>Total Monthly Pumped</b>	gallons	7,480,000	6,908,223	6,752,000
<b>Well #3 Pumped</b>	gallons	4,667,000	6,040,000	3,431,000
<b>Well #4 Pumped</b>	gallons	1,400,000	495,583	1,594,000
<b>Well #5 Pumped</b>	gallons	1,413,000	372,640	1,727,000
<b>Wastewater</b>				
<b>CBOD</b>				
<b>CBOD Influent</b>	mg/L	850	721	895
<b>CBOD Effluent</b>	mg/L	11	3	5
<b>CBOD Effluent Permit Limit</b>	mg/L	15	15	15
<b>CBOD % Removal</b>	%	99%	99%	99%
<b>CBOD % Removal Permit Limit</b>	%	85%	85%	85%
<b>CBOD Effluent Loading</b>	kg/day	0.0	0.7	4.6
<b>CBOD Effluent Loading Permit Limit</b>	kg/day	38.0	38.0	38.0
<b>TSS</b>				
<b>TSS Influent</b>	mg/L	862	815	876
<b>TSS Effluent</b>	mg/L	18	14	<3.0
<b>TSS Effluent Permit Limit</b>	mg/L	30	30	30
<b>TSS % Removal</b>	%	98%	98%	100%
<b>TSS % Removal Permit Limit</b>	%	85%	85%	85%
<b>TSS Effluent Loading</b>	kg/day	0.0	2.0	<2.7
<b>TSS Effluent Loading Permit Limit</b>	kg/day	77.0	77.0	77.0
<b>Phosphorus</b>				
<b>Phos Influent</b>	mg/L	19	18	4
<b>Phos Effluent</b>	mg/L	0.2	0.1	0.2
<b>Phos Effluent Permit Limit</b>	mg/L	1.0	1.0	1.0
<b>Nitrogen Ammonia</b>				
<b>NA Effluent</b>	mg/L	0.0	N/A	N/A
<b>NA Effluent Permit Limit</b>	mg/L	Monitor only	N/A	Monitor only
<b>Fecal Clostriform Group</b>				
<b>Fecal Effluent</b>	200#/100ml	N/A	N/A	N/A
<b>Fecal Effluent Permit Limit</b>	200#/100ml	N/A	N/A	N/A
<b>Dissolved Oxygen</b>				
<b>DO Effluent</b>	mg/L	13.0	11.0	11.1
<b>DO Effluent Permit Limit</b>	mg/L	5.0	5.0	5.0
<b>Effluent Flow</b>				
<b>Average Daily</b>	gallons	164,000	175,000	231,000
<b>Maximum Daily</b>	gallons	221,000	264,000	296,000
<b>Total Monthly</b>	gallons	5,079,000	5,434,000	7,169,000
<b>Precipitation Monthly Total</b>	Inches	0.32	1.14	0.03

Contract True-Ups - Current Contract Year				
Item	Budgeted Amount	Amount Spent	% of Budget	% of Time
<b>Chemical Budget</b>	\$69,131.00	\$20,714.00	30%	17%
<b>Maintenance Budget</b>	\$6,445.00	\$916.00	14%	17%
<b>Total</b>	<b>\$75,576.00</b>	<b>\$21,630.00</b>	<b>29%</b>	<b>17%</b>