



Date: January 13, 2025

To: City of Hinckley

From: Jerry Williams, Operator

O & M Report: December 2024

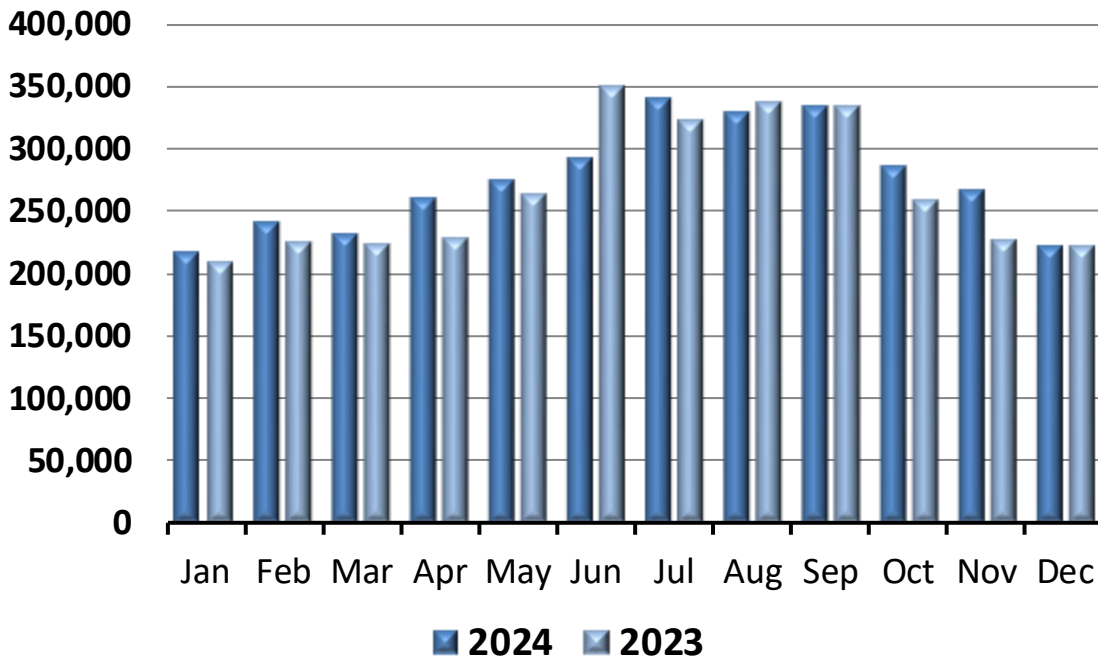
Water Operation & Maintenance

- Completed daily rounds.
- New locks installed at WTP #2.
- Called to the Fire Hall for a water leak.
- 12/16/24 - Borrowed a water meter from Pine City for new holiday station until our new meter arrives.
- Shut water off at Family Dollar, broken water lines inside building.
- 101 Dunn Street water shut off due to a broken service line.
- The North unit at McDonalds shut off due to a water leak.
- Help shut down RV Park in area of a water leak.
- 401 Lawler Ave South - Shut water off in basement called by PeopleService 800 # and Fire Dept.
- All the monthly work orders were completed.
- We read all the water meters for the month.
- Well #5 back in service as bacteriological sample came back okay, so now using WTP #1 again.
- We backwashed Water Treatment Plant #1 & #2 once a week.
- We collected samples every Wednesday and sent them to the lab for analysis.
- We completed the monthly Fluoride Report and sent it to the MN Department of Health.
- We completed the MDH report.
- Completed Quarterly WTP EDMR.
- We completed all the requested locates from Gopher One.
- We had all the chemicals filled as needed.

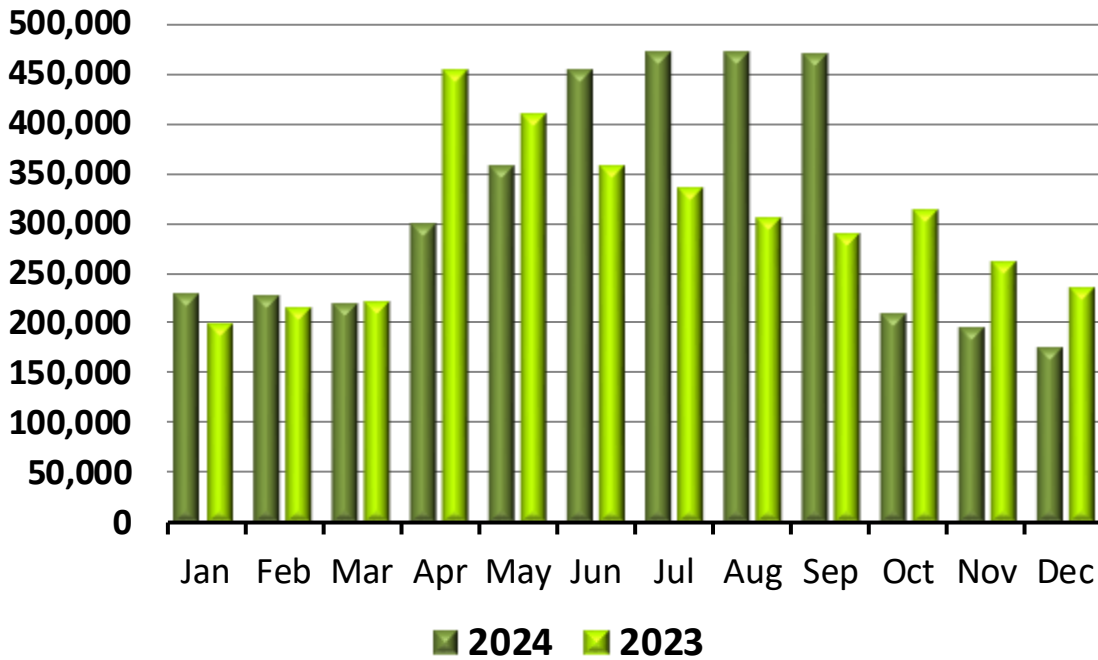
Wastewater Operation & Maintenance

- Completed Daily rounds.
- Checked sewer line on Best Ave the main was clear a resident's line was plugged.
- 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.
- Cleaned the Dissolved Oxygen meter weekly.
- Cleaned the fine screen weekly.
- We had all the chemicals filled as needed.

Average Daily Water Pumped - In Gallons



Average Daily Wastewater Pumped - In Gallons



Water		December-24	November-24	December-23
	Units			
Average Daily Pumped	gallons	222,845	267,000	222,613
Maximum Daily Pumped Well #3	gallons	396,000	451,000	305,000
Maximum Daily Pumped Well #4	gallons	160,000	N/A	103,000
Maximum Daily Pumped Well #5	gallons	142,000	N/A	112,000
Total Monthly Pumped	gallons	6,908,223	8,010,000	6,901,000
Well #3 Pumped	gallons	6,040,000	8,010,000	3,642,000
Well #4 Pumped	gallons	495,583	N/A	1,586,000
Well #5 Pumped	gallons	372,640	N/A	1,673,000
Wastewater				
CBOD				
CBOD Influent	mg/L	721	698	629
CBOD Effluent	mg/L	3	6	2
CBOD Effluent Permit Limit	mg/L	15	15	15
CBOD % Removal	%	99%	99%	100%
CBOD % Removal Permit Limit	%	85%	85%	85%
CBOD Effluent Loading	kg/day	0.7	0.0	2.0
CBOD Effluent Loading Permit Limit	kg/day	38.0	38.0	38.0
TSS				
TSS Influent	mg/L	815	625	705
TSS Effluent	mg/L	14	25	<3.0
TSS Effluent Permit Limit	mg/L	30	30	30
TSS % Removal	%	98%	96%	100%
TSS % Removal Permit Limit	%	85%	85%	85%
TSS Effluent Loading	kg/day	2.0	0.0	<2.4
TSS Effluent Loading Permit Limit	kg/day	77.0	77.0	77.0
Phosphorus				
Phos Influent	mg/L	18	18	4
Phos Effluent	mg/L	0.1	0.6	0.1
Phos Effluent Permit Limit	mg/L	1.0	1.0	1.0
Nitrogen Ammonia				
NA Effluent	mg/L	N/A	N/A	N/A
NA Effluent Permit Limit	mg/L	N/A	N/A	N/A
Fecal Clostriform Group				
Fecal Effluent	200#/100ml	N/A	N/A	N/A
Fecal Effluent Permit Limit	200#/100ml	N/A	N/A	N/A
Dissolved Oxygen				
DO Effluent	mg/L	11.0	10.0	9.8
DO Effluent Permit Limit	mg/L	5.0	5.0	5.0
Effluent Flow				
Average Daily	gallons	175,000	196,000	237,000
Maximum Daily	gallons	264,000	272,000	335,000
Total Monthly	gallons	5,434,000	5,888,000	7,361,000
Precipitation Monthly Total	Inches	1.14	2.26	2.90

Contract True-Ups - Current Contract Year				
Item	Budgeted Amount	Amount Spent	% of Budget	% of Time
Chemical Budget	\$69,131.00	\$12,847.00	19%	8%
Maintenance Budget	\$6,445.00	\$89.00	1%	8%
Total	\$75,576.00	\$12,936.00	17%	8%