



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

October 2023



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EXECUTIVE SUMMARY

The October Public Works monthly report provides an overview of the month's activities and statistical data including safety training, wastewater treatment effluent quality, water production, billing and collection statistics for municipal services, maintenance activities, maintenance and repair costs vs. monthly thresholds, water treatment chemical costs, overall project cost and performance to annual budget.

Laverdiere Construction has started the West Harlem Avenue water main replacement project. Notices were sent to all affected residents and businesses along with the required lead line disturbance notice. Phase 1 of the project involves replacing the water main from North Main Street to North G Street on West Harlem Avenue. Phase 2, (yet to be funded), will complete the replacement from North G Street to the Highway 34 bypass.

The Downtown Utility replacement project and Well 11 project will be going out for bid in December. Bid opening for both of those projects will be in January.

We will be sending out a mailer in January to all water customers for the lead service line survey report to determine the approximate number of lead water services that are present in the community. This action is part of the lead service line replacement project that is required by the Environmental Protection Agency. We currently have surveyed about 25% of the lines so those already surveyed will not receive the mailer.

Please contact me at 309-734-4026 if you have any questions,

Andy J

1. HEALTH & SAFETY

There were no safety incidents or near misses in October. Staff continues to complete monthly and annual training on the required OSHA topics.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 114 million gallons of treated wastewater in the month of October. There were 0 combined sewer overflow events in October. The weather station at the plant reported 2.6" of rain during the month. The Consolidated Plant continues to produce excellent effluent quality. The table below outlines the water quality vs. NPDES permit limits.

Table 2-1: Water Quality vs. NPDES Permit Limits

	Monthly Average	Permit Limit
Flow (MGD)	3.7	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phos	0.9	1
Chloride's mg/l	414	500
Suspended Solids mg/l	10	12

3. WATER TREATMENT

The water treatment plants produced 97 million gallons of finished water in October. Finished water quality met all standards per the Clean Water Act for drinking water. The table below outlines the chemical usage for ion exchange softening for the month.

Table 3-1: Monthly Chemical Usage for Ion Exchange Softening

	Daily Average	Monthly Total
Treated Water to System	3.1 MG	97 MG
Poly Phosphate Usage-lbs.	103 lbs.	3,198 lbs.
Salt Usage — tons	4.8 Tons	149 tons
Chlorine Usage - lbs.	109 lbs.	3,385 lbs.

4. REVENUE COLLECTION

The table below outlines the revenue collected from the Municipal Services billings for the fiscal year.

PAYMENT TOTALS 2023-2024 FISCAL YEAR										
MONTH	WATER	SEWER	INFRASTRUCTURE	RECYCLE	GARBAGE	YARD WASTE	FARM BONDS	FARM SURCHARGE	OTHER	PENALTY
MAY '22	\$254,618.67	\$194,597.61	\$21,776.84	\$17,258.21	\$40,753.52	\$3,014.13	\$73,712.48	\$0.00	\$25.00	\$2,143.72
JUNE	\$306,748.36	\$215,042.28	\$20,455.77	\$16,525.79	\$38,457.22	\$3,475.31	\$73,545.48	\$876.71	\$125.00	\$2,472.98
JULY	\$311,499.08	\$209,473.53	\$21,176.82	\$16,925.78	\$39,309.81	\$3,726.01	\$73,545.48	\$330.20	\$130.59	\$2,777.33
AUGUST	\$316,148.55	\$216,056.15	\$22,487.58	\$18,368.16	\$40,304.47	\$3,671.52	\$73,545.48	\$311.02	\$30.78	\$1,759.27
SEPTEMBER	\$295,679.43	\$201,848.30	\$20,416.93	\$16,573.70	\$38,277.74	\$3,583.47	\$73,545.48	\$400.71	\$69.22	\$3,016.98
OCTOBER	\$323,163.05	\$226,781.14	\$20,995.62	\$16,938.10	\$40,022.66	\$3,641.51	\$73,545.48	\$606.71	\$207.92	\$3,518.54
NOVEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DECEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JANUARY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FEBRUARY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MARCH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
APRIL '23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
YEAR TO DATE	\$1,807,857.14	\$1,263,799.01	\$127,309.56	\$102,589.74	\$237,125.42	\$21,111.95	\$441,439.88	\$2,525.35	\$588.51	\$15,688.82
TOTAL REVENUE	\$4,020,035.38									

5. ANNUAL BUDGET – YEAR 11

The table below outlines the month and annual cost summary

Table 5-1: Annual Budget

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	Over (Under)
Labor (D.L. + FB)	\$130,569	\$130,808	\$846,372	\$845,088	\$1,697,394	(\$1,284)
Utilities	\$3,100	\$2,345	\$20,093	\$17,067	40,296	(\$3,026)
Chemicals Costs	\$28,359	\$28,032	\$183,828	\$191,818	368,667	\$7,990
Maintenance\Repair	\$29,017	\$11,553	\$188,093	\$192,239	377,220	\$4,146
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$3,593	\$26,524	\$32,447	53,193	\$5,923
Office Supplies	\$1,776	\$3,465	\$11,512	\$12,637	23,087	\$1,125
Miscellaneous Expenses	\$4,541	\$4,761	\$29,437	\$29,894	59,036	\$457
Other Operating Costs	\$16,755	\$24,202	\$108,609	\$167,531	217,815	\$58,922
Overhead (G.A.)	\$29,483	\$29,537	\$191,116	\$190,826	\$383,283	(\$290)
Subtotal Year 11	\$247,692	\$238,296	\$1,605,584	\$1,679,547	\$3,219,990	\$73,963
Fixed Fee Year 11	\$17,834	\$17,157	\$115,602	\$120,927	\$231,839	\$5,325
Carryover Year 10						\$16,723
Total	\$265,525	\$255,453	\$1,721,186	\$1,800,475	\$3,451,829	\$96,011

6. MAINTENANCE ACTIVITIES

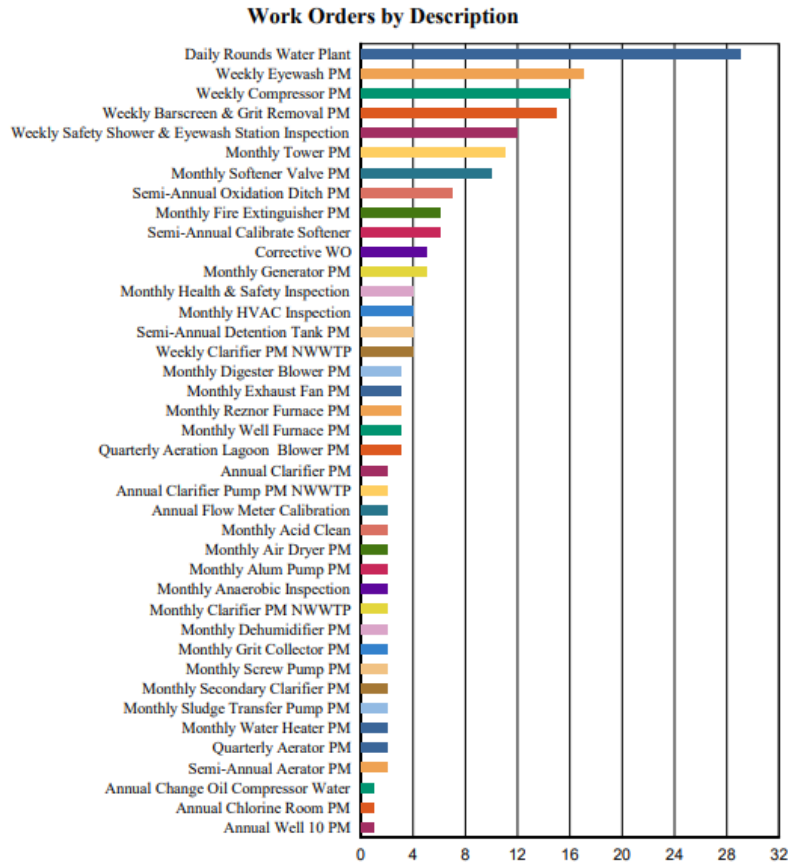
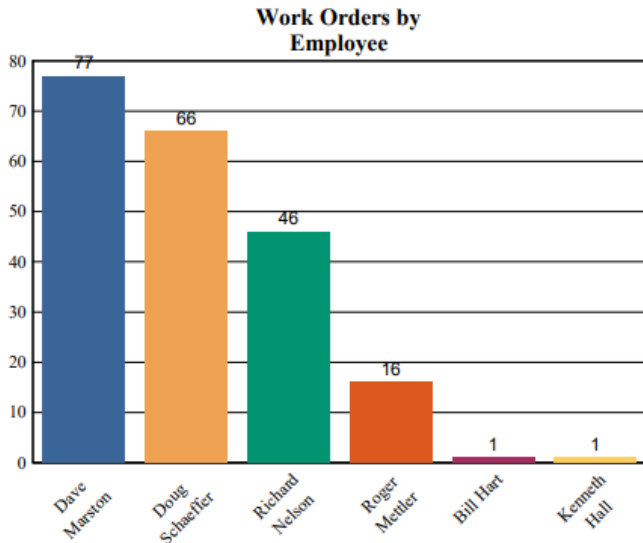
Utilizing the Utility Cloud maintenance management program, staff completed 198 preventative, corrective, and inspection work orders in October.



Maintenance History Report Monmouth

Report Start 10/1/2023
Report End 10/31/2023

Work Orders by Type	Total
Corrective Maintenance	48
Inspections	45
Preventative Maintenance	114
Total	207





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