



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

February 2024



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EXECUTIVE SUMMARY

The February 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.

The Downtown Utility Replacement Project got underway on February 20th. The water main has been completed, leak tested, and disinfected. The contractor is currently connecting the water service lines to the new main and replacing any lead lines that are encountered. The new sewer manholes have been installed for the sewer lining contractor.

Laverdiere Construction returned the low responsible bid of \$714,848 for the North 6th Street reconstruction project. Council will be asked to approve this bid at the April 1st meeting.

Advanced Plumbing will be replacing the City sewer on North 6th Street where it crosses the road north of Clinton Avenue before the street reconstruction gets underway.

Yard waste bag pickup will start Monday April 1st.

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 February. Staff continues to complete monthly and annual training on the required OSHA topics.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 150 million gallons of treated wastewater in the month of February. There were zero combined sewer overflow events in February. The weather station at the plant reported 0.25 inches 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)	5.2	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phos	0.6	1
Chloride's mg/l	314	500
Suspended Solids mg/l	7	12

3. WATER TREATMENT

The water treatment plants produced ninety-three million gallons of finished water in February. 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	3.2 MG	93 MG
Poly Phosphate Usage-lbs.	92 lbs.	2,672 lbs.
Salt Usage — tons	4.7 Tons	136 tons
Chlorine Usage - lbs.	117 lbs.	3,388 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	\$304,312.70	\$212,079.70	\$20,548.67	\$16,688.10	\$38,321.05	\$3,465.59	\$73,545.48	\$439.86	\$102.04	\$1,645.47
DECEMBER	\$299,384.74	\$218,892.92	\$20,568.22	\$16,437.22	\$39,117.88	\$3,494.83	\$73,545.48	\$1,115.42	\$390.00	\$2,583.53
JANUARY	\$313,347.47	\$227,070.55	\$22,155.18	\$18,539.38	\$42,103.38	\$3,798.28	\$73,545.48	\$1,863.17	\$129.48	\$2,573.23
FEBRUARY	\$282,884.03	\$207,650.05	\$20,129.48	\$16,899.68	\$38,579.75	\$3,401.94	\$73,545.48	\$801.44	\$7.25	\$2,555.06
MARCH	\$7,167.42	\$4,924.33	\$1,273.13	\$1,062.17	\$2,429.79	\$218.07	\$0.00	\$0.00	\$0.00	\$3.72
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	\$3,014,953.50	\$2,134,416.56	\$211,984.24	\$172,216.29	\$397,677.27	\$35,490.66	\$735,621.80	\$6,745.24	\$1,217.28	\$25,049.83
TOTAL REVENUE	\$6,735,372.67									

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	\$134,897	\$1,399,769	\$1,376,254	\$1,697,394	(\$23,515)
Utilities	\$3,100	\$8,153	\$33,231	\$37,672	40,296	\$4,441
Chemicals Costs	\$28,359	\$43,997	\$304,024	\$315,422	368,667	\$11,398
Maintenance\Repair	\$29,017	\$41,796	\$311,077	\$311,004	377,220	(\$73)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$4,017	\$43,866	\$52,421	53,193	\$8,555
Office Supplies	\$1,776	\$3,057	\$19,039	\$20,984	23,087	\$1,945
Miscellaneous Expenses	\$4,541	\$4,860	\$48,684	\$49,763	59,036	\$1,079
Other Operating Costs	\$16,755	\$8,046	\$179,622	\$199,816	217,815	\$20,194
Overhead (G.A.)	\$29,483	\$30,461	\$316,077	\$310,767	\$383,283	(\$5,310)
Subtotal Year 11	\$247,692	\$279,283	\$2,655,389	\$2,674,103	\$3,219,990	\$18,714
Fixed Fee Year 11	\$17,834	\$20,108	\$191,188	\$192,535	\$231,839	\$1,347
Carryover Year 10						\$16,723
Total	\$265,525	\$299,391	\$2,846,577	\$2,866,639	\$3,451,829	\$36,785

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 170 preventative, corrective, and inspection work orders in February.

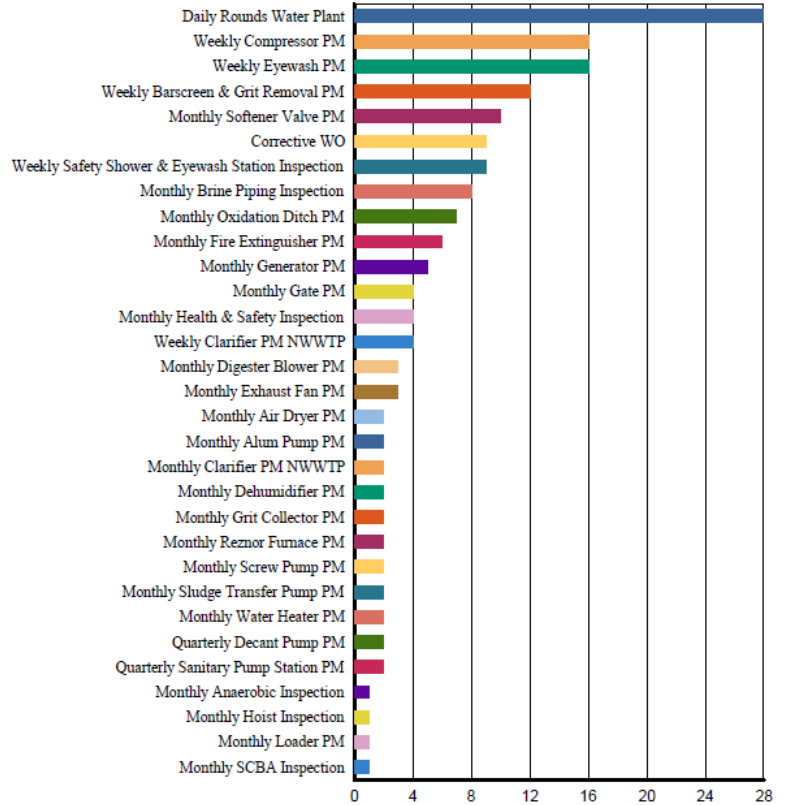


Maintenance History Report Monmouth

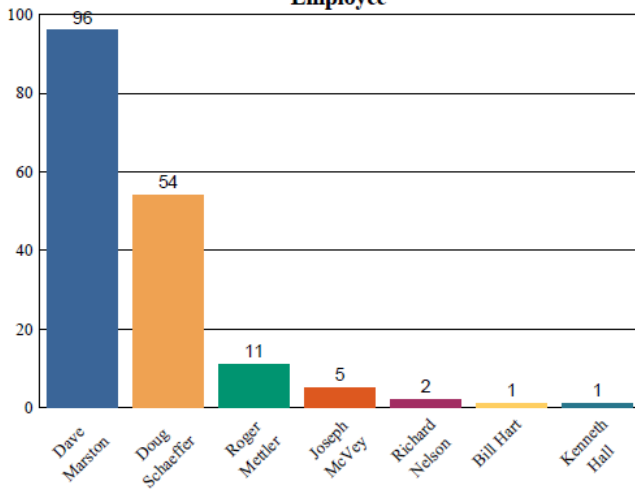
Report Start 2/1/2024
Report End 2/29/2024

Work Orders by Type	Total
Corrective Maintenance	48
Inspections	35
Preventative Maintenance	87
Total	170

Work Orders by Description



Work Orders by Employee





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