



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

November 2023



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EXECUTIVE SUMMARY

The November 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 West Harlem water main line is installed, tested, and sanitized. Laverdiere will be connecting the side street mains and service lines in the upcoming weeks weather providing.

The Downtown Utility replacement project and Well 11 projects have been advertised for bid. 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 November. Staff continues to complete monthly and annual training on the required OSHA topics.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 106 million gallons of treated wastewater in the month of November. There were zero combined sewer overflow events in November. The weather station at the plant reported .75" of rain and 2.7 inches of snow 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)	3.5	4.62
Ammonia N mg/l	0.2	1.5
CBOD5 mg/l	2	10
Total Phos	0.9	1
Chloride's mg/l	411	500
Suspended Solids mg/l	9	12

3. WATER TREATMENT

The water treatment plants produced 90 million gallons of finished water in November. 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	3.0 MG	90 MG
Poly Phosphate Usage-lbs.	110 lbs.	3,195 lbs.
Salt Usage — tons	4.4 Tons	127 tons
Chlorine Usage - lbs.	111 lbs.	3,209 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	\$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	\$2,112,169.84	\$1,475,878.71	\$147,858.23	\$119,277.84	\$275,446.47	\$24,577.54	\$514,985.36	\$2,965.21	\$690.55	\$17,334.29
TOTAL REVENUE	\$4,691,184.04									

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	\$106,344	\$976,583	\$951,432	\$1,697,394	(\$25,151)
Utilities	\$3,100	\$1,202	\$23,184	\$18,269	40,296	(\$4,915)
Chemicals Costs	\$28,359	\$27,061	\$212,110	\$218,879	368,667	\$6,769
Maintenance\Repair	\$29,017	\$16,151	\$217,031	\$208,390	377,220	(\$8,641)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$6,764	\$30,604	\$39,211	53,193	\$8,607
Office Supplies	\$1,776	\$1,783	\$13,283	\$14,420	23,087	\$1,137
Miscellaneous Expenses	\$4,541	\$5,942	\$33,966	\$35,836	59,036	\$1,870
Other Operating Costs	\$16,755	\$4,110	\$125,318	\$171,641	217,815	\$46,323
Overhead (G.A.)	\$29,483	\$24,013	\$220,519	\$214,839	\$383,283	(\$5,679)
Subtotal Year 11	\$247,692	\$193,370	\$1,852,597	\$1,872,917	\$3,219,990	\$20,320
Fixed Fee Year 11	\$17,834	\$13,923	\$133,387	\$134,850	\$231,839	\$1,463
Carryover Year 10						\$16,723
Total	\$265,525	\$207,293	\$1,985,984	\$2,007,767	\$3,451,829	\$38,506

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 220 preventative, corrective, and inspection work orders in November.

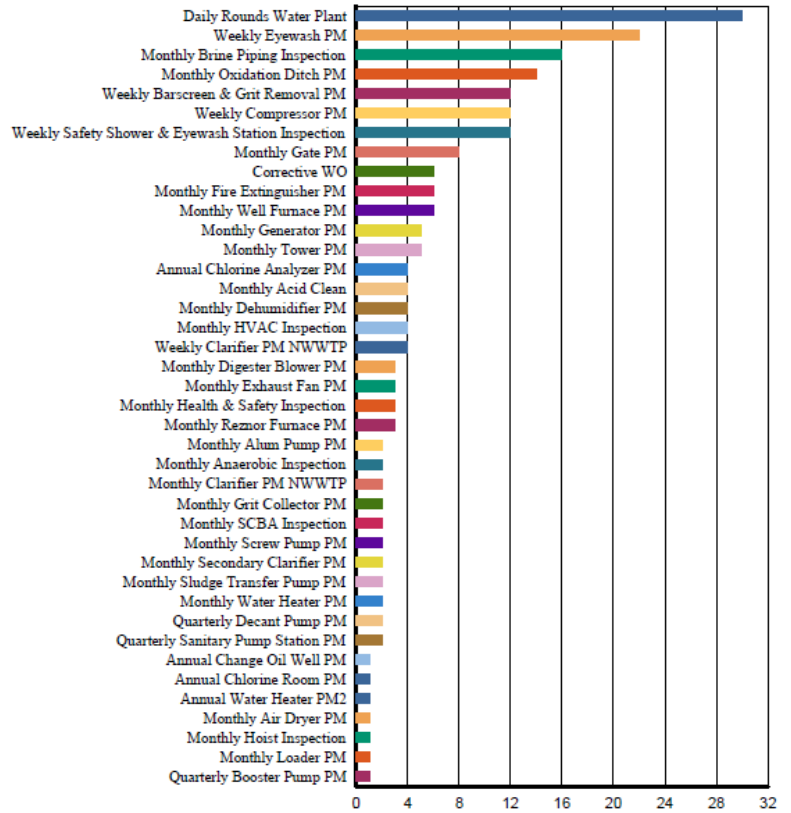


Maintenance History Report Monmouth

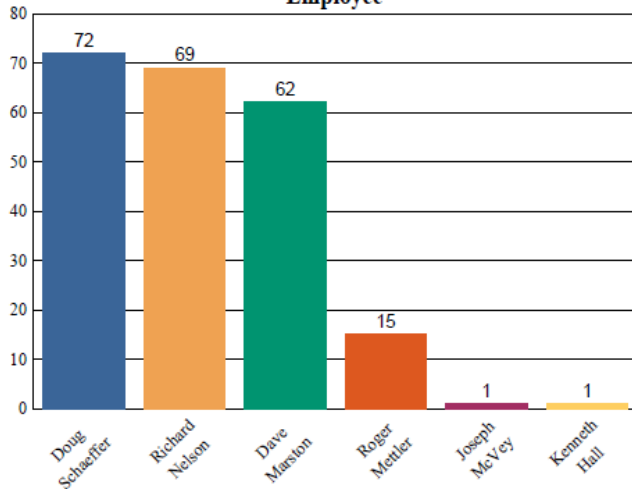
Report Start 11/1/2023
Report End 11/30/2023

Work Orders by Type	Total
Corrective Maintenance	49
Inspections	54
Preventative Maintenance	117
Total	220

Work Orders by Description



Work Orders by Employee





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