



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

January 2024



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EXECUTIVE SUMMARY

The January 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 contractor is progressing rapidly on the water main installation portion of the project.

The West Harlem water main replacement Phase 1 is completed apart from the street restoration which will have to wait until hot mix asphalt is being produced. Typically, mid-April is when companies start making it weather providing.

IMEG is hopeful that the North 6th Street road reconstruction project will go to bid in mid-March. The project limits are East Euclid Avenue to East Broadway and include the following improvements: existing pavement removal, new curb & gutter, ADA compliant intersections, new road base, affected driveway approaches, and a new asphalt surface. This project is estimated to cost around \$1 million dollars and will be funded by \$660,000 from a Rebuild Illinois grant and Federal COVID Relief funds, the remainder will come from the City capital improvement fund.

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



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 154 million gallons of treated wastewater in the month of January. There were zero combined sewer overflow events in January. The weather station at the plant reported 25 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)	5.0	4.62
Ammonia N mg/l	0.4	1.5
CBOD5 mg/l	2	10
Total Phos	0.8	1
Chloride's mg/l	342	500
Suspended Solids mg/l	5	12

3. WATER TREATMENT

The water treatment plants produced 102 million gallons of finished water in January. 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	3.3 MG	102 MG
Poly Phosphate Usage-lbs.	88 lbs.	2,740 lbs.
Salt Usage — tons	4.1 Tons	128 tons
Chlorine Usage - lbs.	120 lbs.	3,724 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	\$121,393.98	\$84,384.26	\$12,904.78	\$10,920.88	\$24,579.46	\$2,236.94	\$0.00	\$0.00	\$0.00	\$101.60
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	\$2,846,296.03	\$2,006,226.44	\$203,486.41	\$165,175.32	\$381,247.19	\$34,107.59	\$662,076.32	\$5,943.80	\$1,210.03	\$22,592.65
TOTAL REVENUE	\$6,328,361.78									

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	\$133,105	\$1,269,558	\$1,241,358	\$1,697,394	(\$28,200)
Utilities	\$3,100	\$4,395	\$30,139	\$29,519	40,296	(\$620)
Chemicals Costs	\$28,359	\$18,896	\$275,742	\$271,425	368,667	(\$4,317)
Maintenance\Repair	\$29,017	\$24,114	\$282,140	\$269,208	377,220	(\$12,932)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$2,315	\$39,786	\$48,404	53,193	\$8,618
Office Supplies	\$1,776	\$1,357	\$17,268	\$17,927	23,087	\$659
Miscellaneous Expenses	\$4,541	\$4,539	\$44,156	\$44,903	59,036	\$747
Other Operating Costs	\$16,755	\$8,622	\$162,913	\$191,770	217,815	\$28,857
Overhead (G.A.)	\$29,483	\$30,056	\$286,674	\$280,307	\$383,283	(\$6,368)
Subtotal Year 11	\$247,692	\$227,399	\$2,408,376	\$2,394,820	\$3,219,990	(\$13,556)
Fixed Fee Year 11	\$17,834	\$16,373	\$173,403	\$172,427	\$231,839	(\$976)
Carryover Year 10						\$16,723
Total	\$265,525	\$243,771	\$2,581,779	\$2,567,247	\$3,451,829	\$2,191

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 191 preventative, corrective, and inspection work orders in January.

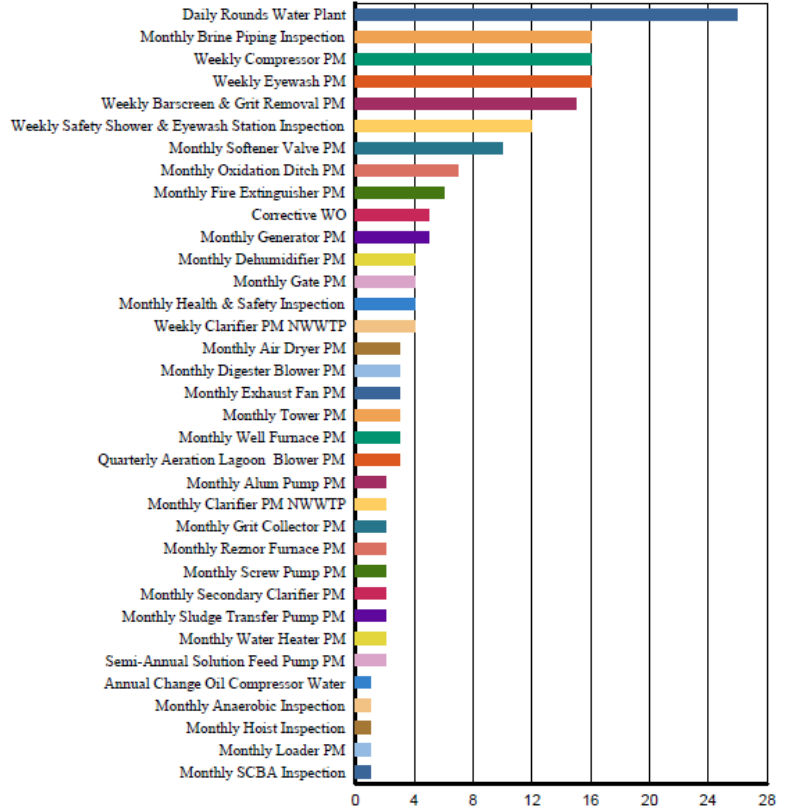


Maintenance History Report Monmouth

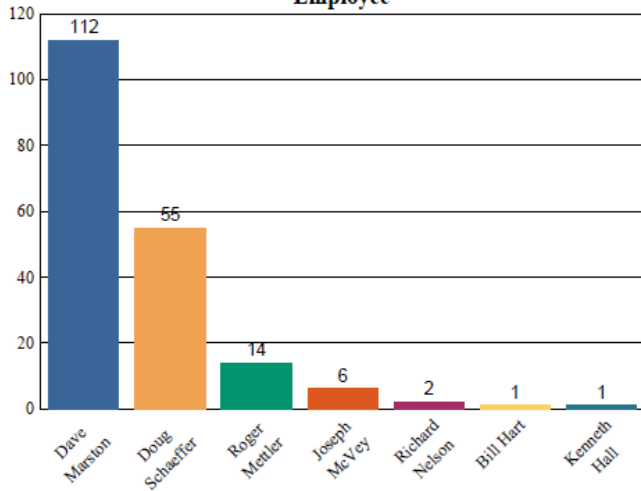
Report Start 1/1/2024
Report End 1/31/2024

Work Orders by Type	Total
Corrective Maintenance	45
Inspections	43
Preventative Maintenance	103
Total	191

Work Orders by Description



Work Orders by Employee





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