



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

March 2024



woodardcurran.com



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EXECUTIVE SUMMARY

The March 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 worked on restoration efforts on West Harlem Avenue after completing the Phase 1 water main project. Also, the downtown utility replacement project is nearing completion. The water main installation and service connections have been completed and the utility trench restored. The remaining item is the sewer lining which should be taking place in late May.

Advanced Plumbing repaired the interceptor sewer on North 6th Street in preparation for the road construction project. Laverdiere has indicated they plan to start that project the week of May 6 beginning with the curb and gutter replacement.

We continue to work through the challenges of all of the grant funding and access to said funds with the state and federal agencies for West Harlem water main Phase 2.

Illinois EPA is requiring all cities to send out notifications to all known lead service lines and any unknown material service lines on what is being done, where to find information, and the timetable for replacement. We completed and submitted the required inventory and plan which is located on the City website per IEPA regulations.

As many of you know, I am stepping down from my current role as Director of Public Works effective June 1st of this year and assuming a part time position of project assistance to the City through the Woodard Curran contract. Richard Nelson will be stepping in as the new PWD upon my departure.

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



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 168 million gallons of treated wastewater in the month of March. There was one combined sewer overflow event in March. The weather station at the plant reported 3.29 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)	5.4	4.62
Ammonia N mg/l	0.3	1.5
CBOD5 mg/l	3	10
Total Phos	0.6	1
Chloride's mg/l	307	500
Suspended Solids mg/l	6	12

3. WATER TREATMENT

The water treatment plants produced ninety-two million gallons of finished water in March. 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	92 MG
Poly Phosphate Usage-lbs.	97 lbs.	2,901 lbs.
Salt Usage — tons	4.7 Tons	144 tons
Chlorine Usage - lbs.	113 lbs.	3,396 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	\$249,548.33	\$187,793.62	\$22,025.12	\$18,488.66	\$40,549.50	\$3,831.42	\$73,545.48	\$551.29	\$3.57	\$2,436.02
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	\$3,257,334.41	\$2,317,285.85	\$232,736.23	\$189,642.78	\$435,796.98	\$39,104.01	\$809,167.28	\$7,296.53	\$1,220.85	\$27,482.13
TOTAL REVENUE	\$7,317,067.05									

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)	\$163,211	\$164,285	\$1,562,533	\$1,540,539	\$1,697,394	(\$21,994)
Utilities	\$3,875	\$4,319	\$37,095	\$41,991	40,296	\$4,896
Chemicals Costs	\$35,449	\$28,575	\$339,375	\$343,997	368,667	\$4,622
Maintenance\Repair	\$36,271	\$38,315	\$347,249	\$349,319	377,220	\$2,070
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$5,115	\$3,705	\$48,967	\$56,126	53,193	\$7,159
Office Supplies	\$2,220	\$1,630	\$21,253	\$22,614	23,087	\$1,361
Miscellaneous Expenses	\$5,677	\$5,430	\$54,345	\$55,193	59,036	\$848
Other Operating Costs	\$20,944	\$6,330	\$200,509	\$206,146	217,815	\$5,637
Overhead (G.A.)	\$36,854	\$37,097	\$352,830	\$347,864	\$383,283	(\$4,966)
Subtotal Year 11	\$309,614	\$289,685	\$2,964,155	\$2,963,788	\$3,219,990	(\$367)
Fixed Fee Year 11	\$22,292	\$20,857	\$213,419	\$213,393	\$231,839	(\$26)
Carryover Year 10						\$16,723
Total	\$331,907	\$310,542	\$3,177,574	\$3,177,181	\$3,451,829	(\$393)

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 136 preventative, corrective, and inspection work orders in March.

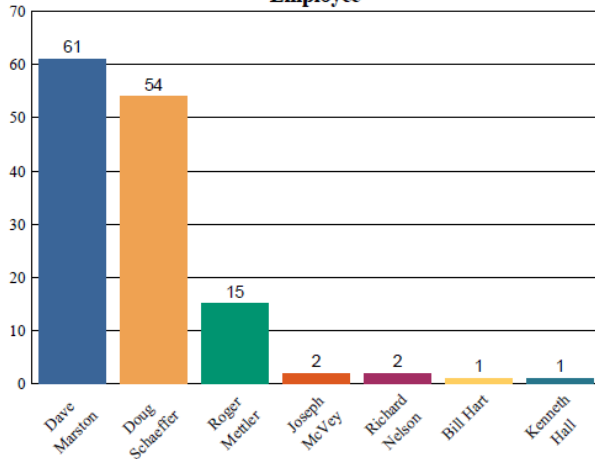


Maintenance History Report Monmouth

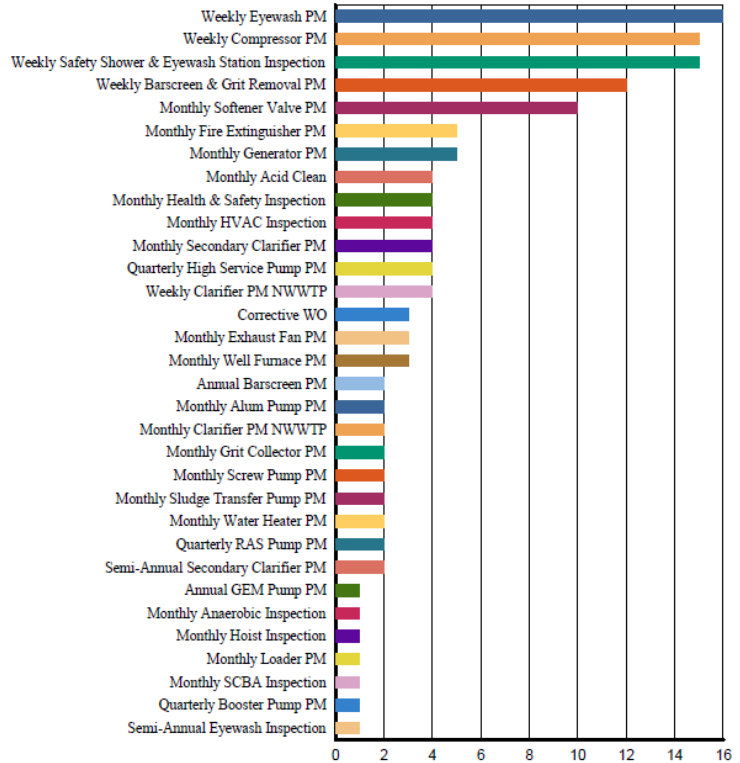
Report Start 3/1/2024
Report End 3/31/2024

Work Orders by Type	Total
Corrective Maintenance	17
Inspections	34
Preventative Maintenance	85
Total	136

Work Orders by Employee



Work Orders by Description





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