



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

April 2023



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TABLE OF CONTENTS

SECTION	PAGE NO.
EXECUTIVE SUMMARY	ES-1
1. HEALTH & SAFETY	1-2
2. WASTEWATER TREATMENT	2-1
3. WATER TREATMENT	3-1
4. REVENUE COLLECTION	4-1
5. ANNUAL BUDGET – YEAR 10	5-1
6. MAINTENANCE ACTIVITIES	1

TABLES

Table 2-1:	Water Quality vs. NPDES Permit Limits
Table 3-1:	Monthly Chemical Usage for Ion Exchange Softening
Table 4-1:	FY to Date
Table 5-1:	Annual Budget

EXECUTIVE SUMMARY

The April 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 North 5th/East Clinton/North 3rd sewer project update: The new sewer is installed, and all house service laterals have been connected. Restoration efforts are completed to the affected yards and driveways. The street will be paved as part of this year's street overlay program which will happen starting in June.

The repair crew has completed one water softener vessel refurbishment at the North Water Treatment Plant and has started work on the other one.

Brandt Construction is tentatively planning to start back up on the MFT street program the week of June 5th weather providing.

Laverdiere Construction is the successful bidder for the East Euclid/North 6th Street water main replacement project. Awaiting submittal of the performance bond, insurance, and a construction schedule from the contractor.

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



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 148 million gallons of treated wastewater in the month of April . There was 1 combined sewer overflow event in April . The weather station at the plant reported 3" 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)	4.9	4.62
Ammonia N mg/l	0.2	1.5
CBOD5 mg/l	2	10
Total Phos	0.8	1
Chloride's mg/l	281	500
Suspended Solids mg/l	7	12

3. WATER TREATMENT

The water treatment plants produced 89 million gallons of finished water in April. 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	89 MG
Poly Phosphate Usage-lbs.	93	2,692 lbs.
Salt Usage — tons	4.5 Tons	131 tons
Chlorine Usage - lbs.	115	3,340 lbs.

4. REVENUE COLLECTION

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

Table 4-1: FY to Date

PAYMENT TOTALS 2022-2023 FISCAL YEAR										
MONTH	WATER	SEWER	INFRASTRUCTURE	RECYCLE	GARBAGE	YARD WASTE	FARM BONDS	FARM SURCHARGE	OTHER	PENALTY
MAY '22	\$238,138.83	\$182,768.79	\$20,903.44	\$16,627.00	\$37,535.70	\$2,947.42	\$73,395.48	\$0.00	\$0.00	\$1,276.70
JUNE	\$252,784.63	\$194,196.43	\$20,831.30	\$16,275.74	\$37,909.78	\$2,754.18	\$73,712.48	\$0.00	\$50.00	\$1,717.98
JULY	\$258,021.50	\$202,500.53	\$20,167.27	\$15,865.46	\$36,806.86	\$2,707.88	\$73,712.48	\$0.00	\$100.00	\$2,031.32
AUGUST	\$274,851.26	\$205,046.08	\$21,898.91	\$17,425.06	\$39,956.16	\$2,859.64	\$73,712.48	\$322.89	\$50.00	\$2,751.97
SEPTEMBER	\$273,088.98	\$200,824.79	\$21,048.49	\$16,556.20	\$37,604.00	\$2,731.24	\$73,712.48	\$0.00	\$160.00	\$2,420.30
OCTOBER	\$296,258.34	\$217,360.71	\$22,235.16	\$17,545.06	\$40,128.98	\$2,987.99	\$73,712.48	\$0.00	\$59.96	\$2,295.75
NOVEMBER	\$258,245.61	\$191,830.82	\$19,222.77	\$15,134.23	\$34,377.77	\$2,663.73	\$73,712.48	\$0.00	\$50.00	\$1,527.30
DECEMBER	\$269,712.45	\$199,656.08	\$22,266.31	\$17,675.18	\$40,166.97	\$2,826.98	\$73,712.48	\$593.84	\$55.14	\$2,052.16
JANUARY	\$289,717.70	\$215,450.95	\$21,589.54	\$16,955.51	\$38,908.74	\$3,008.37	\$73,712.48	\$129.46	\$125.00	\$2,876.34
FEBRUARY	\$261,817.54	\$199,565.56	\$18,945.38	\$14,917.08	\$34,391.13	\$2,514.94	\$73,712.48	\$0.00	\$100.00	\$1,595.26
MARCH	\$269,322.93	\$203,465.34	\$22,261.19	\$17,760.07	\$40,886.80	\$2,975.63	\$73,712.48	\$86.00	\$95.31	\$1,850.43
APRIL '23	\$249,932.75	\$185,611.60	\$18,965.80	\$14,919.78	\$35,157.77	\$2,521.24	\$73,712.48	\$197.38	\$18.05	\$2,046.20
YEAR TO DATE	\$3,191,892.52	\$2,398,277.68	\$250,335.56	\$197,656.37	\$453,830.66	\$33,499.24	\$884,232.76	\$1,329.57	\$863.46	\$24,441.71
TOTAL REVENUE	\$7,436,359.53									

5. ANNUAL BUDGET – YEAR 10

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)	\$124,953	\$118,222	\$1,568,372	\$1,529,571	\$1,568,372	(\$38,801)
Utilities	\$3,145	\$5,648	\$39,471	\$59,686	\$39,471	\$20,215
Chemicals Costs	\$24,471	\$23,221	\$307,158	\$366,238	\$307,158	\$59,080
Maintenance\Repair	\$29,760	\$10,151	\$373,541	\$316,596	\$373,541	(\$56,945)
Sludge Disposal Costs	\$569	\$0	\$7,140	\$0	\$7,140	(\$7,140)
Lab Supplies\Equip	\$3,210	\$4,775	\$40,290	\$45,368	\$40,290	\$5,078
Office Supplies	\$1,755	\$2,218	\$22,031	\$24,644	\$22,031	\$2,613
Miscellaneous Expenses	\$3,876	\$3,966	\$48,648	\$72,336	\$48,648	\$23,688
Other Operating Costs	\$14,995	\$14,324	\$188,209	\$203,684	\$188,209	\$15,475
Overhead (G.A.)	\$28,215	\$26,695	\$354,149	\$345,387	\$354,149	(\$8,762)
Subtotal Year 10	\$234,949	\$209,220	\$2,949,009	\$2,963,510	\$2,949,009	\$14,501
Fixed Fee Year 10	\$16,916	\$15,064	\$212,329	\$213,373	\$212,329	\$1,044
Total	\$251,865	\$224,284	\$3,161,338	\$3,176,883	\$3,161,338	\$15,545

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 195 preventative, corrective, and inspection workorders in April

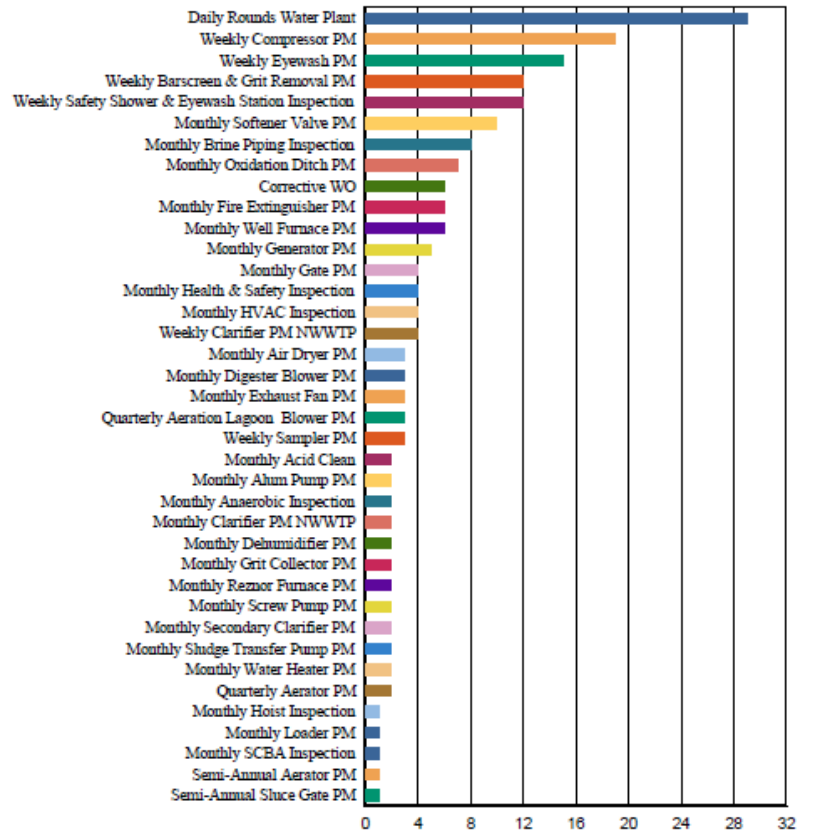


Maintenance History Report Monmouth

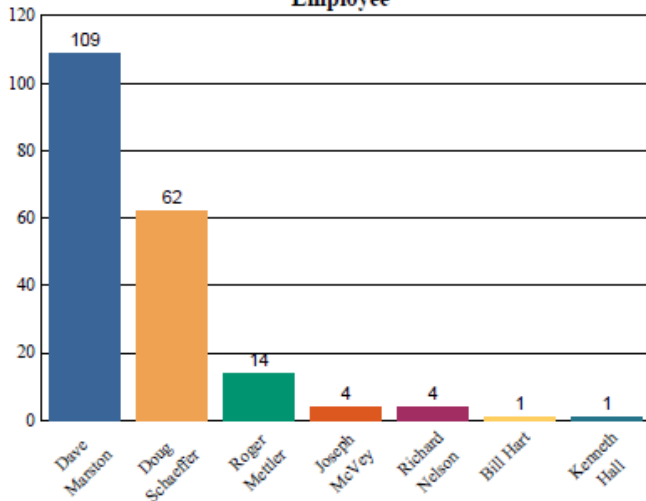
Report Start 4/1/2023
Report End 4/30/2023

Work Orders by Type	Total
Inspections	40
Corrective Maintenance	48
Preventative Maintenance	107
Total	195

Work Orders by Description



Work Orders by Employee





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