



# MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of  
Public Works

May 2023



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## EXECUTIVE SUMMARY

The May 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.

Brandt Construction has been working towards completing the paving work per the MFT Street Program. Utility access structure and valve adjustments, shoulder work, and general cleanup are items remaining to be completed.

Laverdiere Construction started the East Euclid/North 6<sup>th</sup> water main replacement project on June 26<sup>th</sup>.

Well 5 work should be completed and the well back in service in early July.

Softener 4 at the North Water Treatment Plant is nearing completion of refurbishment.

Ameren has been replacing a number of utility poles throughout the City and have quite a few left on their schedule.

BNSF has closed the crossings at South Sunnyside, South D, South Main, and South 3<sup>rd</sup> for track and crossing upgrades. They indicated the project would take approximately 3 weeks to complete.

The City received the executed grant agreement from DCEO for our \$550,000 CDBG grant that will be used to replace the water main on West Harlem Avenue from Main Street to G Street. The project will be let for bid in late July.

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



## 2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 117 million gallons of treated wastewater in the month of May . There was 1 combined sewer overflow event in May . The weather station at the plant reported 1.7" 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)	3.8	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phos	0.7	1
Chloride's mg/l	362	500
Suspended Solids mg/l	8	12

### 3. WATER TREATMENT

The water treatment plants produced 98 million gallons of finished water in May. 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**

	<b>Daily Average</b>	<b>Monthly Total</b>
Treated Water to System	3.4 MG	98 MG
Poly Phosphate Usage-lbs.	125	3,629 lbs.
Salt Usage — tons	4.9 Tons	151 tons
Chlorine Usage - lbs.	122	3,539 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 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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JULY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUGUST	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEPTEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OCTOBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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
<b>YEAR TO DATE</b>	\$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
<b>TOTAL REVENUE</b>	\$607,900.18									

## 5. ANNUAL BUDGET – YEAR 11

The table below outlines the month and annual cost summary

**Table 5-1: Annual Budget**

<b>Budget Category</b>	<b>Month Budget</b>	<b>Month Actual</b>	<b>YTD Budget</b>	<b>YTD Actual</b>	<b>Annual Budget</b>	<b>Over (Under)</b>
Labor (D.L. + FB)	\$130,569	\$128,949	\$130,211	\$128,949	\$1,697,394	(\$1,262)
Utilities	\$3,100	\$3,617	\$3,091	\$3,617	40,296	\$526
Chemicals Costs	\$28,359	\$30,607	\$28,281	\$30,607	368,667	\$2,326
Maintenance\Repair	\$29,017	\$23,113	\$28,937	\$23,113	377,220	(\$5,824)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$6,916	\$4,081	\$6,916	53,193	\$2,835
Office Supplies	\$1,776	\$141	\$1,771	\$141	23,087	(\$1,630)
Miscellaneous Expenses	\$4,541	\$4,630	\$4,529	\$4,630	59,036	\$101
Other Operating Costs	\$16,755	\$25,847	\$16,709	\$25,847	217,815	\$9,138
Overhead (G.A.)	\$29,483	\$29,118	\$29,402	\$29,118	\$383,283	(\$285)
<b>Subtotal Year 11</b>	<b>\$247,692</b>	<b>\$252,938</b>	<b>\$247,013</b>	<b>\$252,938</b>	<b>\$3,219,990</b>	\$5,925
Fixed Fee Year 11	\$17,834	\$18,212	\$17,785	\$18,212	\$231,839	\$427
<b>Carryover Year 10</b>						\$16,723
<b>Total</b>	<b>\$265,525</b>	<b>\$271,149</b>	<b>\$264,798</b>	<b>\$271,149</b>	<b>\$3,451,829</b>	<b>\$23,074</b>



## 6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 210 preventative, corrective, and inspection workorders in May

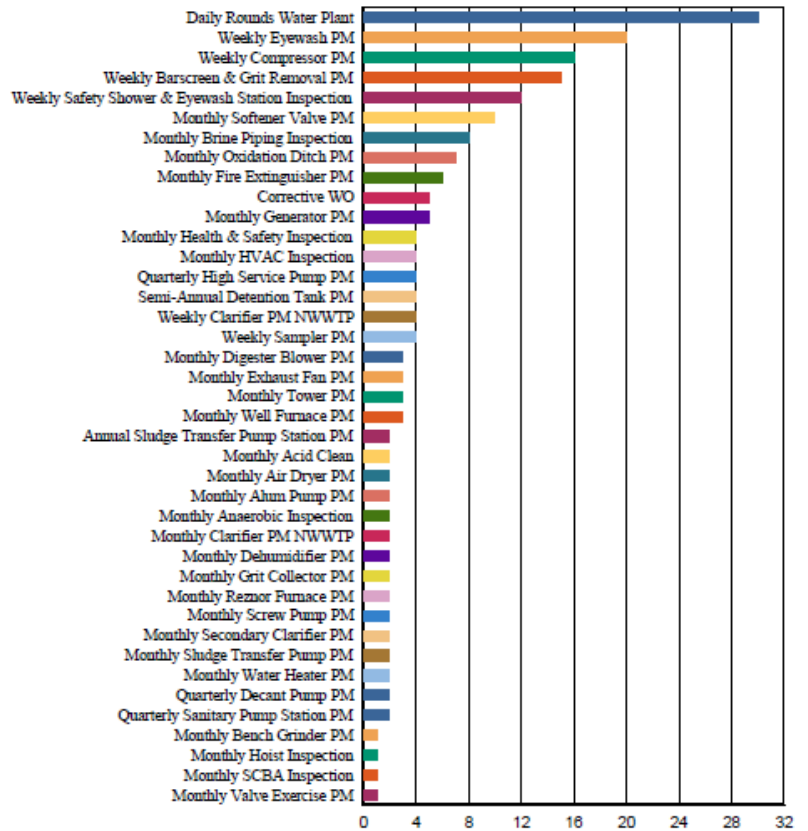


### Maintenance History Report Monmouth

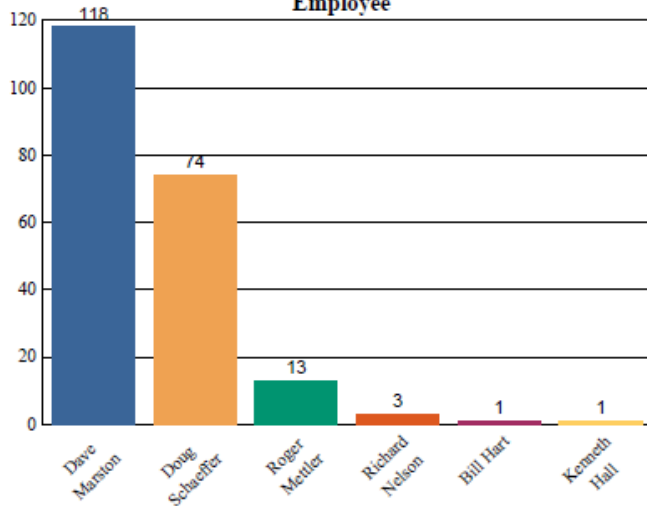
Report Start 5/1/2023  
Report End 5/31/2023

Work Orders by Type	Total
Administrative	2
Corrective Maintenance	47
Inspections	50
Preventative Maintenance	111
<b>Total</b>	<b>210</b>

Work Orders by Description



Work Orders by Employee





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