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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

March 2021



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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.

As you are all aware, several personnel items have been addressed within the department. With the retirement of Roger Blackman, Richard Nelson came on board in late March as the new Water Superintendent and Joe McVey was promoted from the ranks to Street Superintendent effective May 1. Congratulations to both Joe and Richard.

The South 6th Street sewer project is progressing well. Most of the new sewer pipe has been installed as of April 30th. Remaining items are to hook up the affected houses to the new sewer, abandon the old sewer in the back yards, and restore the pavement. If the weather cooperates I anticipate a couple weeks to complete those remaining tasks.

The North WWTP construction is about 80% completed. Major items remaining include final retrofit of the 2nd clarifier, new aeration piping and diffusers in basin #2, new piping to connect basin #1 and basin #2, and SCADA integration of the new plant.

Please contact me at 309-734-4026 with any questions.

Regards, Andy

1. HEALTH AND SAFETY/STAFF

There were no safety incidents or near misses in March . With the COVID 19 pandemic affected everyone, our staff is updated regularly on any new policy change, preventative measures, and PPE. All staff members are practicing social distancing while at work to help prevent the spread of the virus.

2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 199 million gallons of treated wastewater in the month of March . There were no combined sewer overflow events in March . 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)	6.43	4.62
Ammonia N mg/l	0.3	1.5
CBOD5 mg/l	2	10
Total Phos	0.7	1
Chlorides mg/l	300	500
Suspended Solids mg/l	11	12

3. WATER TREATMENT

The water treatment plants produced 93 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	3.0 MG	93 MG
Poly Phosphate Usage-lbs.	101 lbs.	3,131 lbs.
Salt Usage = tons	4.5	141 tons
Chlorine Usage - lbs.	119	3,685 lbs.

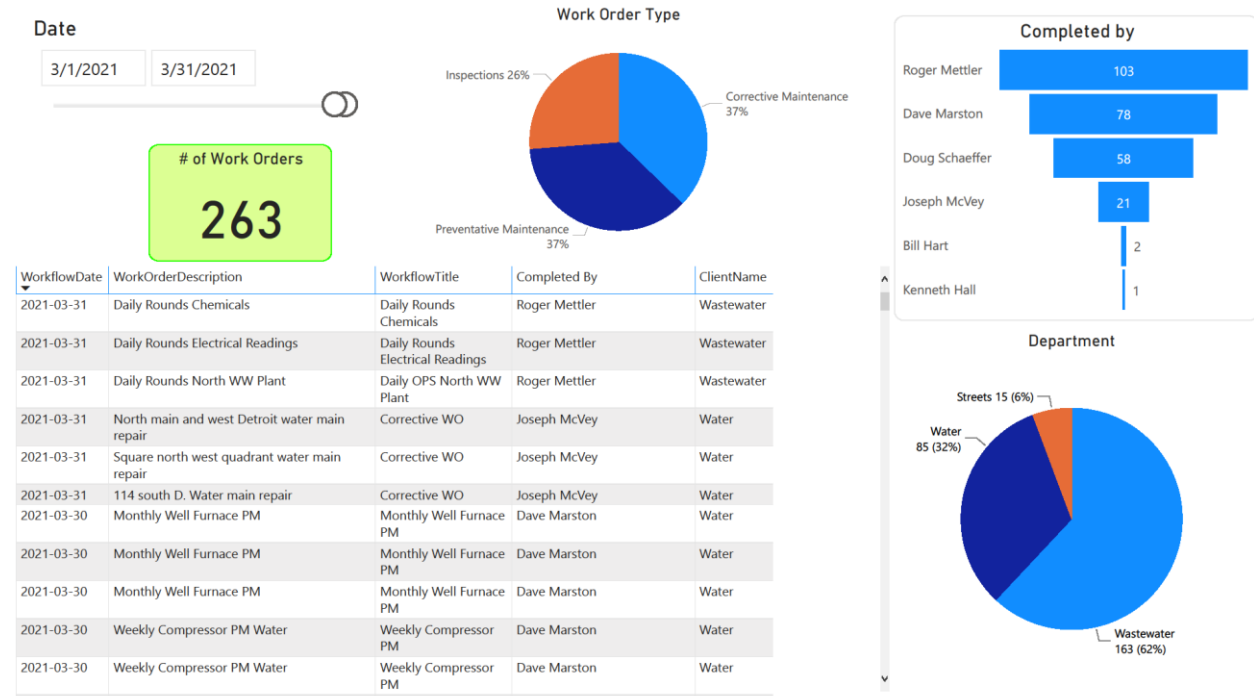
5. TOTAL ANNUAL COST

Table 5-1: Annual Budget – Year 8

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	over(under)
Labor (D.L. + FB)	\$139,913	\$149,217	\$1,311,968	\$1,314,518	\$1,455,092	\$2,550
Utilities	\$3,756	\$4,275	\$35,216	\$33,373	\$39,058	(\$1,843)
Chemicals Costs	\$29,868	\$23,447	\$280,069	\$274,395	\$310,622	(\$5,674)
Maintenance\Repair	\$35,117	\$34,903	\$329,296	\$249,260	\$365,219	(\$80,036)
Sludge Disposal Costs	\$0	\$0	\$0	\$813	\$0	\$813
Lab Supplies\Equip	\$4,068	\$3,080	\$38,146	\$37,596	\$42,307	(\$550)
Office Supplies	\$1,764	\$1,091	\$16,540	\$18,318	\$18,344	\$1,778
Miscellaneous Expenses	\$4,678	\$3,521	\$43,863	\$40,029	\$48,648	(\$3,834)
Other Operating Costs	\$11,020	\$5,711	\$103,331	\$140,225	\$114,604	\$36,894
Overhead (G.A.)	\$31,593	\$33,694	\$296,251	\$296,827	\$328,569	\$576
Subtotal Year 8	\$261,775	\$258,939	\$2,454,680	\$2,405,353	\$2,722,463	(\$49,326)
Fixed Fee Year 8	\$18,848	\$18,644	\$176,737	\$173,185	\$196,017	(\$3,552)
Total	\$280,623	\$277,583	\$2,631,417	\$2,578,539	\$2,918,480	(\$52,878)

6. MAINTENANCE ACTIVITIES

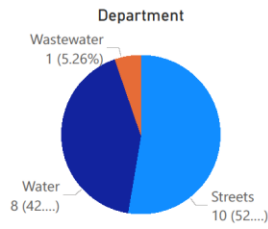
Utilizing the Utility Cloud maintenance management program, staff completed 263 preventative and 19 corrective workorders in March . Below is a summary of the months' activities:



Date

3/1/2021 3/31/2021

of Corrective WO's
19



Completed by



WorkflowDate	WorkOrderDescription	WorkflowTitle	Completed By	ClientName
2021-03-31	North main and west Detroit water main repair	Corrective WO	Joseph McVey	Water
2021-03-31	Square north west quadrant water main repair	Corrective WO	Joseph McVey	Water
2021-03-31	114 south D. Water main repair	Corrective WO	Joseph McVey	Water
2021-03-23	206 north B st water main repair	Corrective WO	Joseph McVey	Water
2021-03-19	North 2nd/East Detroit Ave. Replace fire hydrant	Corrective WO	Kenneth Hall	Water
2021-03-12	Sign, and post replacement.	Corrective WO	Joseph McVey	Streets
2021-03-12	Replaced sign post	Corrective WO	Joseph McVey	Streets
2021-03-12	Replaced metal sign post	Corrective WO	Joseph McVey	Streets
2021-03-12	Rear differential repair.	Corrective WO	Joseph McVey	Streets
2021-03-12	Dump bed was not working. Repairs were made.	Corrective WO	Joseph McVey	Streets
2021-03-11	509 N. C. Curb stop repair	Corrective WO	Joseph McVey	Streets
2021-03-11	310 W. 4th. Curb stop repair	Corrective WO	Joseph McVey	Streets
2021-03-11	909 S. 4th. Curb stop repair.	Corrective WO	Joseph McVey	Streets
2021-03-11	907 S. 4th. New valves Dig #A0641039 3/4 in valve and valve box	Corrective WO	Joseph McVey	Streets
2021-03-11	1124 S. Main Curb stop repair	Corrective WO	Joseph McVey	Streets