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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

February 2021



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EXECUTIVE SUMMARY

The February 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.

A couple of announcements, the yard waste bag pickup started on April 1st, also Millennium Waste has scheduled the week of May 3-7 for spring cleanup week. The Acceptable Materials list is available in the lobby and on the City Facebook page.

The Illinois EPA inspection of the water plants and system occurred on March 24th, no major issues were noted by the field representative from IEPA. The City will receive a written report from the inspection within a few weeks.

Richard Nelson started work on Monday March 22nd as the new Water Superintendent and will have about a month to work with Roger Blackman before Roger retires on April 30th. The Illinois EPA has recognized Richard as the new Responsible Operator In Charge as required by state law.

North WWTP Construction update - Smithfield lift station was started up and is now operational.

Repairs to the street drain, curb, gutter, and sidewalk were completed in front of the Tin Cup. The street repair on South Main Street will be forthcoming when crews have time to get the street ready for concrete, along with repair of the sidewalk in front of the old Term City building from a service leak this past winter.

Several required annual reports to IEPA were submitted including the annual landscape waste report, combined sewer overflow 6-month progress report, and updated water system inventory report, (the inventory includes identification of water service line material such as lead, copper, plastic, etc.) All 4,000 service connections must be identified by 2023.

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 February . 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 124 million gallons of treated wastewater in the month of February . There were no combined sewer overflow events in February . The weather station at the plant reported 1.7” of rain and 18” 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)	4.4	4.62
Ammonia N mg/l	0.5	1.5
CBOD5 mg/l	2	10
Total Phos	0.8	1
Chlorides mg/l	423	500
Suspended Solids mg/l	12	12

3. WATER TREATMENT

The water treatment plants produced 85 million gallons of finished water in February . 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	85 MG
Poly Phosphate Usage-lbs.	103 lbs.	2,888 lbs.
Salt Usage = tons	4.6	130 tons
Chlorine Usage - lbs.	123	3,441 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)	\$111,930	\$125,558	\$1,172,820	\$1,165,301	\$1,455,092	(\$7,519)
Utilities	\$3,004	\$4,901	\$31,481	\$29,098	\$39,058	(\$2,383)
Chemicals Costs	\$23,894	\$30,387	\$250,365	\$250,948	\$310,622	\$583
Maintenance\Repair	\$28,094	\$18,469	\$294,371	\$214,357	\$365,219	(\$80,014)
Sludge Disposal Costs	\$0	\$0	\$0	\$813	\$0	\$813
Lab Supplies\Equip	\$3,254	\$2,102	\$34,100	\$34,516	\$42,307	\$416
Office Supplies	\$1,411	\$2,601	\$14,785	\$17,227	\$18,344	\$2,442
Miscellaneous Expenses	\$3,742	\$3,488	\$39,211	\$36,508	\$48,648	(\$2,703)
Other Operating Costs	\$8,816	\$4,506	\$92,372	\$134,514	\$114,604	\$42,142
Overhead (G.A.)	\$25,275	\$28,352	\$264,830	\$263,132	\$328,569	(\$1,698)
Subtotal Year 8	\$209,420	\$220,364	\$2,194,335	\$2,146,414	\$2,722,463	(\$47,921)
Fixed Fee Year 8	\$15,078	\$15,866	\$157,992	\$154,542	\$196,017	(\$3,450)
Total	\$224,498	\$236,230	\$2,352,327	\$2,300,956	\$2,918,480	(\$51,371)

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 226 preventative and 1 corrective workorders in February . Below is a summary of the months' activities:



Date

2/1/2021 2/28/2021

of Corrective WO's

1

Department

Completed by

