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COMMITMENT & INTEGRITY DRIVE RESULTS

# Monthly Operating REPORT

Monmouth, Illinois

Department of  
Public Works

January 2021



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## EXECUTIVE SUMMARY

The January 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 application for \$665,000 general infrastructure grant was submitted to DCEO in late February. The Woodard Curran Funding Team assisted in compiling the information for the application. We hope to hear some news soon on when to anticipate the award of the grant. These funds will be used to complete the East Euclid water main replacement from North 6<sup>th</sup> to North 9<sup>th</sup> and complete the North 6<sup>th</sup> Street water service connections to the newer main on North 6<sup>th</sup> and allow abandonment of the old cast iron main on North 6<sup>th</sup> that fails frequently.

Lew and I received an update from PDC on the final landfill closure efforts this week. The probable scenario would be to have an approved affidavit for final closure from IEPA by summer of 2022.

North Plant construction project is now about 75% completed. With the break in the weather, construction activities are ramping back up for a scheduled substantial completion by the end of June.

With the quick snow melt and ground thawing, the street department has started pothole patching as we move from snow removal season to pothole season.

Part of the new lawn mowing equipment was delivered to the City by Martin Sullivan in preparation for the upcoming season.

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 January. 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 115 million gallons of treated wastewater in the month of January. Plant operations were returned to normal with the completion of the aeration basin construction and process re-established at the North Pre-Treatment Plant. There were no combined sewer overflow events in January. The weather station at the plant reported 1.7” of rain and 10” 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)	3.7	4.62
Ammonia N mg/l	0.6	1.5
CBOD5 mg/l	2	10
Total Phos	0.8	1
Chlorides mg/l	443	500
Suspended Solids mg/l	12	12

### 3. WATER TREATMENT

The water treatment plants produced 86 million gallons of finished water in January. 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	2.9 MG	90 MG
Poly Phosphate Usage-lbs.	97 lbs.	3,020 lbs.
Salt Usage — tons	4.3	133 tons
Chlorine Usage - lbs.	117	3,642 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	\$110,162	\$1,061,502	\$1,039,743	\$1,455,092	(\$21,758)
Utilities	\$3,004	\$5,609	\$28,493	\$24,197	\$39,058	(\$4,296)
Chemicals Costs	\$23,894	\$17,721	\$226,601	\$220,561	\$310,622	(\$6,040)
Maintenance\Repair	\$28,094	\$23,116	\$266,430	\$195,888	\$365,219	(\$70,542)
Sludge Disposal Costs	\$0	\$0	\$0	\$813	\$0	\$813
Lab Supplies\Equip	\$3,254	\$2,550	\$30,863	\$32,414	\$42,307	\$1,551
Office Supplies	\$1,411	\$1,459	\$13,382	\$14,626	\$18,344	\$1,244
Miscellaneous Expenses	\$3,742	\$3,352	\$35,489	\$33,020	\$48,648	(\$2,469)
Other Operating Costs	\$8,816	\$4,556	\$83,605	\$130,008	\$114,604	\$46,403
Overhead (G.A.)	\$25,275	\$24,875	\$239,694	\$234,781	\$328,569	(\$4,913)
Subtotal Year 8	<b>\$209,420</b>	<b>\$193,400</b>	<b>\$1,986,059</b>	<b>\$1,926,051</b>	<b>\$2,722,463</b>	<b>(\$60,008)</b>
Fixed Fee Year 8	\$15,078	\$13,925	\$142,996	\$138,676	\$196,017	(\$4,321)
<b>Total</b>	<b>\$224,498</b>	<b>\$207,325</b>	<b>\$2,129,055</b>	<b>\$2,064,726</b>	<b>\$2,918,480</b>	<b>(\$64,329)</b>

## 6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 203 preventative and 5 corrective workorders in January. Below is a summary of the months' corrective activities:

