



woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

November 2021



TABLE OF CONTENTS

SECTION

Executive Summary	
1. HEALTH AND SAFETY/STAFF	
2. WASTEWATER TREATMENT	
4. REVENUE COLLECTION	
5. ESTIMATED ANNUAL COST	
6. MAINTENANCE ACTIVITIES	

LIST OF TABLES

TABLE

Table 2-1:	Water Quality vs. NPDES Permit Limits
Table 3-1:	Monthly Chemical Usage for Ion Exchange Softening
Table 4-1:	Revenue Collection
Table 5-1:	Estimated Annual Budget – Year 9

|

EXECUTIVE SUMMARY

The November 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.

Laverdiere Construction installed 2 valves and replaced 60 feet of water main in the 500 block of West Harlem Avenue. This section of pipe has failed several times in the past few months.

The American Water Infrastructure Act, (AWIA), required the City of Monmouth to perform a risk and resiliency assessment, and submit and certify an emergency response plan for the public water system. The assessment was completed and submitted in June, the emergency response plan was certified by the USEPA and submitted on December 23rd to satisfy those requirements.

The City received a grant agreement from DCEO in late December for \$665,000 appropriations grant to replace the remaining section of old water main on East Euclid Avenue from North 6th Street to North 9th Street including road re-paving. This project will be going to design in January and construction later in the spring. The City also received notice of an additional \$200,000 appropriations grant through DCEO that will be applied to this project and also North 6th Street depending on total project cost. With the uncertainty of supply chain and material shortages, cost estimating has become a bit of a wheel of fortune.

Lew and I have been working with Lakeshore Recycling to finalize the garbage collection contract to begin May 1, 2022. Once finalized we will be bringing it to Council for approval.

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 November . 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 119 million gallons of treated wastewater in the month of November . There were no combined sewer overflow events in November . The weather station at the plant reported 0.2” 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)	3.98	4.62
Ammonia N mg/l	0.2	1.5
CBOD5 mg/l	3	10
Total Phos	0.8	1
Chloride's mg/l	345	500
Suspended Solids mg/l	11	12

3. WATER TREATMENT

The water treatment plants produced 88 million gallons of finished water in November . 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	87 MG
Poly Phosphate Usage-lbs.	109 lbs.	3,147 lbs.
Salt Usage = tons	4.2	121 tons
Chlorine Usage - lbs.	120	3,482 lbs.



5. TOTAL ANNUAL COST

Table 5-1: Annual Budget – Year 9

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	over(under)
Labor (D.L. + FB)	\$117,555	\$117,285	\$849,940	\$847,881	\$1,528,218	(\$2,059)
Utilities	\$3,017	\$1,983	\$21,814	\$16,838	\$39,222	(\$4,976)
Chemicals Costs	\$24,213	\$15,175	\$175,060	\$151,006	\$314,763	(\$24,054)
Maintenance\Repair	\$28,094	\$20,658	\$203,122	\$192,993	\$365,220	(\$10,129)
Sludge Disposal Costs	\$0	\$0	\$0	\$7,500	\$0	\$7,500
Lab Supplies\Equip	\$3,298	\$2,440	\$23,843	\$25,151	\$42,871	\$1,308
Office Supplies	\$1,425	\$1,724	\$10,304	\$13,872	\$18,526	\$3,568
Miscellaneous Expenses	\$3,742	\$6,715	\$27,056	\$33,142	\$48,648	\$6,086
Other Operating Costs	\$10,861	\$15,821	\$78,530	\$140,436	\$141,199	\$61,906
Overhead (G.A.)	\$26,545	\$26,484	\$191,922	\$191,457	\$345,081	(\$465)
Subtotal Year 8	\$218,750	\$208,285	\$1,581,592	\$1,620,276	\$2,843,748	\$38,684
Fixed Fee Year 8	\$15,750	\$14,997	\$113,875	\$116,660	\$204,750	\$2,785
Total	\$234,500	\$223,282	\$1,695,466	\$1,736,936	\$3,048,498	\$41,470

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 266 preventative and 17 corrective workorders in November

