

City of Lewistown Water, Sewer and Street Departments

Evinn Palmer, Public Works Director

During the month of September 2021, your Public Works Departments made and provided record of the following repairs, conditions and services.

Lewistown Billing Department

Billing Department & Water accountability:

** For the purpose of determining unaccounted for water, this report reflects a monitoring period from 9/1/2021 to 9/30/2021*

- 1) Monthly water treated and pumped to distribution = September 6,170,600 Gallons
- 2) Meter collection in gallons = 5,082,149 gallons
- 3) Distribution system loss estimate, (water main breaks, flushing, facilities not metered,)
= ?
- 4) Wastewater Plants total gallons processed, 6,310,500
- 5) gallons

Unaccounted for water percent, based on well site pumpage to monthly accounted for 17.6%

Billing Operations;

One full time billing clerk, 40 hours / week

Time off hours;

- Comp 0 hrs, Pto-13.5 hrs, Holiday 8 hrs

Billing Department,

- Aclara followed up and is suppose to meet in October.
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Billing Information;

- Costumers Billed – 1,111
- % Read –
- % Estimated - 0
- Service requests – 16
- Shut offs for non-pay- 10
- Shut off request for repairs -5
- Past due customers-83
- Properties currently shut off at street - ?

Training Hours: 0

Water Treatment

This department's objective is to treat and deliver a safe and potable water to Lewistown residents and the surrounding communities.

Evinn Palmer is the City of Lewistown Water Superintendent Working under Joe Carruthers. He obtains his Class C IEPA certification. He is directing the daily workforce, following City management practices, budget accountability, and being instructed on the regulatory responsibilities required to become IEPA's "operator in responsible charge."

Plant Operations:

- Staff: 1 Supervisor, 2 full time employees,
- Time off hours = Pto-36 Comp- 0 hrs. Holiday 16 hrs.
- Alarms= 20
- Overtime hours = 17hrs
- Monthly chemical costs = \$1,394.20 Down \$190.16 from August
- Chemical treated well's the 1st
-
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Compliance:

- Lewistown's detailed monthly reports can be accessed by going to IEPA's web site;
<http://water.epa.state.il.us/dww/index.jsp>
- Monthly reports to IEPA for July were sent in on 10- -21
- September testing was for THM/Bacti/SOC,
- Well #14 Came back bad re-sampled and passed
- Sent response letter to EPA on the Failed Bacti's 9-23

Projects

- Ground Storage is still in progress locating the plumbing
- Met with Joe and Keith at GST site to go over rehab plans.
- Painting of Fire Hydrants-40% done
- Changing out bad hydrants-0
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Training Hours 1 operator / 0 hrs

Street/System Maintenance

Operations:

- Staff: 1 Supervisor, 3 full time employees, All Monday thru Friday, 1st shift.
- Time off hours for month: PTO – 55 Hours Comp- 0 Holiday Hours-32

Operational Repairs:

Water Main breaks for month:	0	Main breaks yearly Total:	0
Sewer line breaks for month:	0	Sewer breaks yearly Total:	0
Water Taps for month:	0	Sewer Taps yearly Total:	0
JULIES for month:	45		
Service Line Repairs	5		

Projects:

- Water customer shut offs for month: 0
- Hydrant Flushing per month: 12 Hydrants
- Distribution system valve exercising per month: 0

- Collection system catch basin cleaning: 1 times
- Sewer Cleaning: 3
- Yards mowed: 46
- Storm sewer maintenance: 5
- We repaired 0 - sink holes, 5 - catch basins, 0 - street openings and 0- water main break
0- sewer break 5 – service lines 0 – ditches cleaned 0– alley's graded in September.
- Did all town clean up the 20th-22nd
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Training Hours: 0

Wastewater Treatment Facility

This department's objective is to provide safe and compliant practices that relate directly to water pollution control standards regarding the collection, treatment and discharge of the City of Lewistown's wastewater stream. Lewistown is currently using the Class 1 license being provided by Joe Carruthers. The license establishes the Licensed operator authorized by IEPA for sewage collection and treatment.

Evinn Palmer is the operator in training Working under Joe Caruthers . He is directing the daily workforce, following City management practices, budget accountability, and being instructed on the regulatory responsibilities required to become IEPA's "operator in responsible charge."

Plant Operations:

- Staff: 1 Supervisor, 1 full time employee , 7 days a week operations, first shift only.
- Time off hours for month = hrs.Pto -3 . Comp -0
- Alarm Call and Call in's 0 hrs.
- OT = 10 hours.

Compliance;

- Total flow for August was 6,310,500 gallons
- DMR's for August were submitted on October , 2021
- Discharge from outfall 001 = 0 days

**** The Discharge is permitted overflow site which require testing on a daily basis while discharging. All permit conditions were met, no violations of the permit occurred.**

Measured rainfall for the month of September at WWTP was 0.8 inches total.

Lift Station's Maintenance

=Put degreaser in once a month

Equipment Maintenance/Repairs/Projects

- Waste Sludge 0 times
- Pulled sludge Pumps 2 times
- Backwashed filters 0 times
- Replace floats 0 times
- Greased Rotors 4 Times
- Sewer running out of lid on W.Milton roots sand bag and wood clogging it.
- Replaced 1 rotor bearing
- Cleaned duck weed off clarifier
- Hauled sludge to landfill

Training hours; 0 hours

1-Sep	Pumped	Meter	loss	GST HRS	Unaccounted for daily	
1	209,800.00	144,391.00	65,409.00	6.30	68.8	31.2
2	204,100.00	141,733.80	62,366.20	6.98	69.4	30.6
3	176,900.00	139,292.40	37,607.60	5.60	78.7	21.3
4	201,200.00	150,769.40	50,430.60	6.93	74.9	25.1
5	190,200.00	156,768.00	33,432.00		82.4	17.6
6	242,200.00	173,193.40	69,006.60	8.34	71.5	28.5
7	203,700.00	155,479.40	48,220.60	6.23	76.3	23.7
8	212,100.00	150,128.20	61,971.80	6.97	70.8	29.2
9	193,000.00	149,432.00	43,568.00	6.44	77.4	22.6
10	186,200.00	143,456.80	42,743.20	6.35	77.0	23.0
11	221,200.00	163,904.90	57,295.10	6.89	74.1	25.9
12	242,700.00	178,860.00	63,840.00	8.15	73.7	26.3
13	209,400.00	161,104.10	48,295.90	7.16	76.9	23.1
14	221,500.00	154,609.80	66,890.20	6.94	69.8	30.2
15	216,000.00	155,488.20	60,511.80	6.96	72.0	28.0
16	212,000.00	166,860.20	45,139.80	7.13	78.7	21.3
17	198,100.00	158,997.10	39,102.90	6.14	80.3	19.7
18	214,400.00	164,489.40	49,910.60	7.00	76.7	23.3
19	222,500.00	176,294.50	46,205.50	7.37	79.2	20.8
20	200,400.00	153,586.00	46,814.00	6.35	76.6	23.4
21	182,600.00	146,980.90	35,619.10	5.84	80.5	19.5
22	199,600.00	147,119.80	52,480.20	6.33	73.7	26.3
23	201,900.00	157,603.40	44,296.60	6.24	78.1	21.9
24	176,300.00	152,659.70	23,640.30	5.67	86.6	13.4
25	178,100.00	152,359.70	25,740.30	6.03	85.5	14.5
26	223,100.00	172,527.30	50,572.70	7.52	77.3	22.7
27	201,100.00	167,958.60	33,141.40	6.47	83.5	16.5
28	217,400.00	160,861.10	56,538.90	7.03	74.0	26.0
29	193,000.00	157,475.80	35,524.20	6.52	81.6	18.4
30	219,900.00	158,750.20	61,149.80	7.12	72.2	27.8
31			-		#DIV/0!	25.0
	6,170,600.00	4,713,135.10	1,457,464.90	195.00		
						23.4

September 2021 spread sheet summary and water related report

Well site information;

- Total water pumped and metered at well site was 6,170,600 (Down 442,200 gallons from August pumpage 6,612,800)
- Average daily pumped and metered was **205,687**. High was 242,700 low was 176,300
- The two pumps averaged 6.0 and 5.9 hours per day of run times.

Chemical feed and usage;

- Chlorine feed rate averaged 5.3 gallons per day for a monthly cost of *\$1,038.80 (Down \$137.20)*
- Fluoride feed rate averaged 0.6 gallons per day, for a monthly cost of *\$90.60 (Same)*
- Phosphate feed rate averaged 1.0 gallons per day, for a monthly cost of *\$264.80 (Down \$52.96)*
- Chemical costs for September 2021 totaled, \$1,394.20 (Down *\$190.16 from August 2021*)

Regulatory;

- All bacteriological/thms/soc done 9/ 13 /2020
- Well #14 came back bad and resampled and cleared
- Water reports for September 2021 were sent to IEPA on 10/ /2021

Other Stuff

Sent response letter to epa on well's 9-23
Disinfect well's 9-1
9-14/9-15 Flushed hydrants in hummel subdivision
9-15 fixed leak at old library/ curb box on south chesnut
9-16 fixed leak on 10th street

City of Lewistown
Unaccounted for Water - 2021

Month	Water Plant	Distribution System		Unaccounted for Water		Wastewater Plant
	Pumped Water	Metered Water				
	(gallons)	(gallons)	(gallons)	(percent)	Total Monthly Flow	
Jan-21	8,634,500	4,489,202	4,145,298	48.0%	7,819,110	
Feb-21	8,250,400	4,488,025	3,762,375	45.6%	8,014,680	
Mar-21	8,604,500	4,489,376	4,115,124	47.8%	22,803,380	
Apr-21	6,140,000	4,731,653	1,408,347	22.9%	18,171,420	
May-21	6,560,900	5,689,653	871,247	13.3%	25,314,770	
Jun-21	7,532,000	5,694,861	1,837,139	24.4%	17,585,710	
Jul-21	7,300,200	6,298,782	1,001,418	13.7%	25,642,929	
Aug-21	6,612,800	5,465,431	1,147,369	17.4%	7,213,750	
Sep-21	6,170,800	5,082,149	1,088,651	17.6%	6,310,500	
Oct-21			0	#DIV/0!		
Nov-21			0	#DIV/0!		
Dec-21			0	#DIV/0!		
	65,806,100	46,429,132	19,376,968	29.4%	138,876,249	