

Moberly Utilities Monthly Report

JUNE 2024

WATER TREATMENT PLANT

Raw Flow-	42,183,399	Highest Day-	11 th	1,892,020
<u>Final Flow-</u>	<u>37,628,267</u>	Lowest Day-	7th	978,048
Difference-	4,555,132			
<u>In House Water Use-</u>	<u>4,537,705</u>			
Unaccounted For-	17,427			

**Unaccounted for water is the total difference between raw water pumped to the plant and finished water plant pumped to the system.

Water Loss - Plant Processes

Filter Washes- 48

Gallons Used- 2,197,117

Filter To Waste Usage- 1,199,313

Filling South Upflow- 540,000

Sludge Meter- 102,733

Plant Usage- 498,542

Total- 4,537,705

Water Loss – Distribution System

Draining Rollins tower- 283,640

Chemical Usage

- Lime- 3,731 lbs
- Alum- 23,508 lbs
- AC100 Polymer- 191 gal
- Chlorine- 2,336 lbs
- Fluoride- 1,260 lbs
- Carbon- 4,690 lbs
- Ammonia- 185 gal
- Caustic- 589 gal

Number of Lab Tests- 3,896

Number of Jar tests Ran- 7

Number of Collilert tests Ran- 20

Sludge Treated- 0 gals

Sludge dumped- 0 lbs.

Water Treatment Day To Day Activities

- 6-2 Made corrective maintenance repairs to the flow transmitter on filter #4, it was showing flow while the filter valve was in the closed position.
- 6-3 Received chlorine and fluoride. Cleaned and inventoried pump house. Signed and copied the monthly disinfection and turbidity report for the month of May.
- 6-4 Ran hardness sample for wastewater plant.
- 6-6 Changed out the colorimeter on the FREE CL17 analyzer. Pulled new wires for south center column drive unit.
- 6-7 Received VOC cooler from state lab. Had a conference call about the LCCR work. Took DPD powder pillows to D&C since they had run out. Hauled equipment to pump house to start feeding EarthTec. Worked on some issues the Parks and Rec Dept were having with their splash pad. Started filling south upflow.
- 6-9 Switched to south upflow for operation at 0640.
- 6-10 Big leak on Holman. All hands were at work.
- 6-11 Staff meeting, collected Bac-T, DBP, TOC, IOC and VOC samples and shipped to the lab.
- 6-12 Monthly preventative maintenance performed on CL17 analyzers.
- 6-13 Started draining Rollins street tower so we can pull the mixer out.
- 6-17 Collected Bac-T samples
- 6-19 Started feeding EarthTec after exhausting all attempts to feed potassium permanganate to fight issues coming out of the raw water line.
- 6-20 Received bulk load of caustic.
- 6-24 Received a call from DHSS that we needed 2 replacement samples for lab errors on Bac-T samples. They had been over cooked and were not read in the 24 hour period. Collected and shipped within an hour of receiving the call. Installed a new scale to display EarthTek chem weight.
- 6-27 Bumgaars did a fire suppression test. Fire Dept sprayed kids at the schools without informing us and we were looking for leaks. Reviewed and approved UCMR5 sample results.
- 6-28 Called in for low towers. Found the leak in the TSC parking lot.

DISTRIBUTION & COLLECTION

Water Leak Report

- 06-04 Service line leak repair @ 616 Weintz St.
- 06-10 Water main break @ 100 N Sturgeon St.
- 06-11 Water main break @ 1414 Myra St.
- 06-11 Water main break @ 301 N Morley St.
- 06-11 Water main break @ 959 W Reed St.
- 06-17 Water main break @ 620 Holman Rd.
- 06-19 2" meter valve replacement @ 212 Johnson St.
- 06-24 & 25 Water main break @ 319 N Morley St.

- 06-25 Water main break @ 523 N Ault.
- 06-26 Service line leak repair @ 319 N Morley St.

Sewer Maintenance

- Staff conducted 5 sewer line investigations
- Jetted 35 sewer line segments for routine cleaning
- Total footage cleaned by jetter was 12,044'
- CCTV inspection on 4 line segments totaling 1,896'

Other

- Performed dirt work repairs at 20 locations from previous water/sewer repairs
- Completed 201 Utility locates through Missouri One Call system

WASTEWATER TREATMENT

- Treated 51.316 MGM an average of 1.711 MGD.
- Transferred 730,949 gallons of sludge from the SBR's to the digesters.
- There was 29.76 DT of biosolids applied for the month.
- 3.07 inches of precipitation that fell over a 11-day period.
- Taylor CSO (outfall 002) did not discharge the month of June.
- Rollins CSO (outfall 003) discharged 2.387 MGM for the month of June.
- Seven Bridges CSO (outfall 004) discharged 0.061 MGM for the month of June.
- Holman Rd CSO (outfall 005) did not discharge for the month of June.
- Since JBS Prepared Foods have not been discharging to the City's sewer system, there has been very little grease accumulation in the Morley St. wet well. We had a total of 6000 gallons of grease removed for the month.
- A new type of solenoid was installed into the Pista Grit system.
- The first cutting of hay was removed from the land application field. A total of 490 large square bales were made.
- The new grinder was installed at the Darwood PS.
- Emily started working with Barr Engineering to rewrite the industrial pretreatment permits. Currently all permits besides JBS are expired.
- DMRQA in the lab was done for the year.