



OUR MISSION

We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management and financial oversight, and ensured regulatory compliance.

Alliance Water Resources, Inc.

**206 S. Keene St.
Columbia, MO
65201**

(573)-874-8080

OPERATIONS REPORT – Ste. Genevieve

April 2023

Water Treatment Plant

- The electrical building has been constructed and most of the electrical components have been installed. We still do not have a delivery date for the Transfer Switch. This continues.
- Completed excavating around the chlorine injection points with the vac-truck. This is needed for repairs to the site.
- Repaired and cleaned the white vinyl fencing around the water treatment plant after storms blew a few sections down again.
- Completed brush removal and creek clean up at the rear of the facility.
- Staff install a new flush hydrant and repaired the water line that was damaged during the installation of the electrical lines.
- All locations were inspected and cleaned.

Wastewater Treatment

- Metro Ag removed bio-solids and land applied the residuals.
- The million-gallon tank will need the growth removed from the top, in the near future. We will budget for the removal.
- Staff was able to complete the cleaning of both clarifiers and the Return activated sludge tank.
- The recirculation pump for the million-gallon tank was repaired and put back into service.
- Staff replaced the wired that feed the clarifier drive system. The wires were broken in the ground.
- Routine maintenance and inspections were performed as scheduled.



OPERATIONS REPORT – Ste. Genevieve

Treatment

WASTEWATER PLANT EFFLUENT QUALITY

	BOD Mg/l	TSS mg/l	pH	E. coli forming Colonies/100 ml
Monthly Average	6.5	5.4	7.9	n/a
Peak Day	8.0	7.1	8.1	n/a
Percent Removal	97.0%	96.7%		

NPDES EFFLUENT LIMITATIONS

	BOD Mg/l	TSS mg/l	pH	E coli forming Colonies/100 ml
Monthly Average	30	30	6.5-9.0	206
Weekly Average	45	45		1030

AMMONIA MONTHLY LEVELS

	<u>Ammonia as Nitrogen</u>
Daily Maximum	6.4
Monthly Average	.4

AMMONIA LIMITATIONS

	<u>(April 1st- Sept 30th) Ammonia as Nitrogen</u>	<u>(Oct 1st-March 31st) Ammonia as Nitrogen</u>
Daily Maximum	4.2	11.8
Monthly Average	1.5	2.6



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PLANT HYDRAULIC AND ORGANIC LOADING

Daily Maximum flow MG- 2.6
 Daily Maximum loading 1738 lbs.

Alliance Year to Date Capped Expenses through February-2023			
	Actual(5 month)	Budget(5month)	Over/Under budget
Repair	\$29,084	\$27,252	\$1832

Collection/Distribution

Collections

- Staff jetted just over 5000ft of lines this month.
- Staff cleaned and vac-trucked numerous lines within that 5000ft, while vacking the material out instead of sending it further down the line.
- Met a property regarding city easement behind Eric Scott.
- 450 Merchant St has a collapsed sewer lateral. Customer is working with a couple plumbers regarding the repairs. We are assisting with line locations of the city utilities.
- Monitoring new construction sites located within city limits, awaiting utility taps.
- All lift stations were inspected at a minimum of 3 times per week. Staff inspects for grease build up, vandalism, and any electrical issues that would indicate issues with pumps, motors, or controls.

Distribution

- New hydrant was installed on Chadwell Lane.
- 2 new sample stations were installed, Valley Springs Trail and Progress Parkway.
- Water main leak on North Fourth St was repaired.
- Hydrant Flushing has begun and will be an off and on process until completion.
- Relocated multiple meter pits, including the locating of the shut off for 170 Ste Gen Drive.
- All remote buildings were cleaned, inspected.

Customer Service

- Staff performed 47 line locates.
- Staff performed 43 work orders.
- Disconnects for non-payment 19
- There were 5 loads of lime purchased.



OPERATIONS REPORT – Ste. Genevieve

Public Works

Streets

- Street sweeping schedule has been created.
- The center sign on Pine Drive crosswalk was hit by a vehicle and had to be repaired.
- The evidence room construction was completed. Police Dept is lucky to have us.
- Remeasured all sidewalks that are city owned for replacement or repair.
- Street light inventory was completed. All non-working lights were documented and list was delivered to Pam.
- Tree trimming on 3rd and Washington, 4th, Veterans Dr.
- Street sweeper received and large amount of repaired and PM.
- Dump truck number 2 is down, truck discussion need to be a topic.
- Routine items were also completed weekly. Trash, light checks, potholes, vandalism, etc....

Park

- Valle Spring volunteer day cleanup has been scheduled.
- Tree trimming in the parks and mulch/chips were distributed.
- Received all mowing equipment.
- Facility checks were made daily now due to an incident.
- All mowing equipment is being maintained to ensure proper operation.

Project Updates

- Waterline Project out for bid
- Electrical Bldg. still on hold do to waiting on materials.
- Sidewalks will be out for bid soon.

Safety

- Arc Flash safety and hazards associated with it were the topic for the month.

Regulatory

- DMR
- Groundwater report

Training

- Colton and Corey are scheduled for certification exams.

Concerns for the Month

- Dump Truck

Positive for the Month

- Completion of numerous projects and job the were not achievable without the vac truck.