



Monthly Informational Report

March 2025

Page 1

Daily Plant Capacity (peak)—66 MGD

Storm Pumping Stations—3

Collection System Maintained—484.78 miles

Lift Stations—27

Precipitation Total: 2.19 inches*

*Total taken from daily average of five rain gauges

- * Service Area 11B: water main and sewer lines installation continues, excavation of lift station continues.
- * HRT Facility: mobilization of equipment to site continues, begin site clearing.
- * Three Packs Project—Aeration tank diffusers: installation of new #2 & #4 tanks continues.
- * Approved by BOW:
 - Prairie Oaks Bypass: Request to Advertise to Bid 3/25
 - HRT Facility: Contract Amendment for Admin Services with Greeley 3/4
 - 9th Street Culvert Repair: Contract and Notice to Proceed with Inliner 3/4
 - Operator Certification Training: Contract with WSI 3/4
 - Sewer Use and Pretreatment Ordinance Update: Contract with Baxter and Woodman
- * Personnel completed Outdoor Rigging Training.

Monthly Reports Submitted to the Indiana Department of Environmental Management (IDEM)
Report of Operation, Discharge Monitoring Report and Combined Sewer Overflow Report

Work Performed

- * Removed algae from primary and final clarifier weirs.
 - * Removed debris from aeration basins.
 - * Equipment tested for start of disinfection season beginning April 1.
 - * Pressure washed dumpster rooms and equipment in headworks building.
 - * Water lines and valves painted throughout the plant.
 - * Dropped and cleaned grit removal tanks.
 - * Fine screen conveyor system cleaned of debris, channels flushed, and exercised the gates.
 - * Personnel assisted with sludge trucks for the biosolids land application program.
- Necessary ground maintenance for the treatment plant was performed, daily equipment rotations continue, as well as record keeping and proper sampling procedures required by our NPDES permit.

Operations

| MARCH | 2025 | 2024 |
|--|----------------------|----------------------|
| Wastewater Treated (MG) | 551.4 | 529.9 |
| Average % Solids Removed | 97.5% | 97.2% |
| Biosolids Generated (MG) | 2.15 MG | 2.15 MG |
| BOD % Removed | 95.8% | 94.5% |
| Cubic Ft. of Methane Produced (Million cubic feet) | 3.26 ft ³ | 3.23 ft ³ |
| Phosphorus | 81.5% | 83.2% |
| Ammonia Overall Treatment | 99.4% | 97.2% |

Laboratory

2,151 Tests Performed in March

- 461 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 833 Total Suspended Solids and 496 Total Volatile Solids
- 130 pH tests on wastewater and sludges
- 155 Settleable solids were conducted on the mixed liquors
- 119 Plant and River samples for Ammonia
- 5 E.coli analysis on Plant and River samples
- 125 Total Solids and Volatile Solids tests on sludges
- 25 Industry and River samples for independent analysis
- 173 Phosphorous tests on Plant, River, and Ditch samples
- 24 Chlorine samples on plant effluent samples were checked
- Plant and river samples were tested for the following for additional NPDES permit requirements:
 - * 14 TKN (total kjeldahl nitrogen)
 - * 40 Nitrate
- 47 Waste hauler samples were collected and checked

Maintenance

Work Performed at Treatment Plant

- * Contact tank cleaned.
- * Breaker replaced on #1 effluent pump.
- * Replumbed #1-#4 final clarifier splitter box bleach line plumbing and ran new tubing.
- * Hose supports for bleach building loading station repaired.
- * Repaired tubing on ferric pumps.
- * Wire replaced for #18 return activated sludge pump.
- * Eye wash stations repaired at bleach and thickener building.
- * Replaced #3B recirculating sludge pump breaker.

Work Performed at Lift Stations

- * Preventative maintenance and grounds maintenance performed at all lift stations.
- * Replaced #1 pump impellor at Waterstone.

Lafayette Renew

Monthly Informational Report

March 2025
Page 2

Stormwater

STORMWATER MONTHLY NUMBERS

| MARCH | 2025 | 2024 | | 2025 | 2024 |
|-------------------------------|-------|------|------------------------------|------|------|
| Catch Basin Calls | 2 | 6 | Erosion Control Inspections | 53 | 47 |
| Sweeper Calls | 18 | 11 | Catch Basin Repaired | 1 | 3 |
| Sweeper Debris Removal (tons) | 155.7 | 189 | Catch Basins Cleaned | 0 | 3 |
| Stormwater Calls | 4 | 1 | Ft. of Storm Sewer Jet Clean | 0 | 908 |

Work Performed

- * Pre-construction meetings attended for erosion control measures.
- * Performed four Best Management Practice (BMP) Inspections in the City and worked on Illicit Discharge Detection and Elimination (IDDE) program .
- * Maintenance performed on bio-swales at Veteran’s Memorial Parkway (VMP), Maple Point Drive, and Concord Road, on rain gardens at the County Courthouse and on North Street, and on Jeff High School Storm Park.
- * Grounds maintenance performed at 15 City-owned properties.
- * Performed SWPPP inspections at Facilities Dept.
- * Trash picked up out of bioswales throughout the City.
- * IDEM Inspector training occurred as City employees performed erosion control inspections.

Surveillance

Performed Surveillance

SIGNIFICANT: Kelly Construction, Nanshan, Arconic, Tate North, and Cargill

GENERAL: none

Annual Industrial Pretreatment Inspections

Kelly Construction and Rea Magnet

GREASE TRAPS

| | | | |
|-------------------------------|----|-----------------------------|---|
| Interior Inspection | 14 | Business Compliance Meeting | 2 |
| Exterior Inspection | 64 | Rough-in Inspection | 1 |
| Oil/Grit Separator Inspection | 68 | Final Inspection | 3 |
| Plan Reviews | 11 | Under Slab Inspection | 4 |

Work Performed

- * Industrial meters read for billing purposes.
- * River sampling and creek and ditch sampling performed.
- * Durkees Overflow data downloaded for monthly report.
- * Site visit conducted at Republic Services..
- * Inspections performed for new construction at Caterpillar.
- * Preventative maintenance performed on all rain gauges.
- * Meeting with State Health Dept. to discuss virus testing in wastewater.
- * Continued collaborative project with Purdue.

Biosolids Land Application Program

- * Biosolids hauled - 1.73 MG with average % solids of 3.987
- * Volute press (landfilled) - 33.72 dry tons
- * The monthly Land Application of Biosolids report was submitted to IDEM.
- * Field checks and soil sampling performed on permitted ground that biosolids were applied to.

Sewers

SEWER MONTHLY NUMBERS

| MARCH | 2025 | 2024 | | 2025 | 2024 |
|-----------------|-------|-------|-----------------------------|-------|--------|
| Backup Calls | 20 | 6 | Manhole Frames Raised | 0 | 2 |
| City Blockages | 4 | 0 | Ft. of Sewer Jet Cleaned | 1,417 | 0 |
| Sanitary Calls | 1 | 4 | Ft. of Sewer Jet Cleaned—PM | 0 | 78,129 |
| Odor Calls | 0 | 2 | Total Manholes Cleaned | 10 | 361 |
| Tap Inspections | 43 | 27 | Ft. of Sewer Televised | 2,002 | 514 |
| Sewer Locates | 1,252 | 1,302 | Ft. of Sewer Root Cut | 609 | 0 |

Work Performed

- * Preventative maintenance performed throughout the City.
- * Inspected Combined Sewer Overflow Structures.
- * Manhole checks performed in the Prairie Oaks subdivision area.
- * Prepare jet trucks and SL RAT (blockage assessment tool) for preventative maintenance season.
- * Storm sewer repair at N. 21st Street and Charles Street.
- * Performed potholing for utility verification at McCarty Lane and CAT Drive for Engineering Dept.
- * Cleaned and organized stockpiled materials and equipment.
- * Assist with cleaning of catch basins throughout the City.