



Monthly Informational Report February 2025

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Daily Plant Capacity (peak)—66 MGD

Storm Pumping Stations—3

Collection System Maintained—486.32 miles

Lift Stations—28

Precipitation Total: 0.32 inches*

*Total taken from daily average of five rain gauges

- * Service Area 11B: water main installation begins, sewer installation and excavation for lift station continues
- * CSO LTCP Phase II-D HRT: mobilize equipment to site
- * Three Packs project - Aeration tank diffusers: removal of old and installation of new of #2 and #4 tanks.
- * Approved by BOW :
 - 9th Street Culvert Repair: quote openings 2/25.
- * Personnel completed annual safety training videos and quizzes.

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 clarifier weirs.
 - * Debris removed from four aeration basins.
 - * Grounds maintenance equipment serviced in preparation for upcoming season.
 - * Dropped contact tank for cleaning and yearly maintenance.
 - * Painted interior steel doors throughout the plant.
 - * Dropped and flushed both grit removal tanks.
 - * Flushed fine screen channels and exercised the gates, and cleaned fine screen conveyor of debris.
 - * 583,920 gallons of digested sludge from storage tanks dewatered for 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

<u>FEBRUARY</u>	<u>2025</u>	<u>2024</u>
Wastewater Treated (MG)	425.5	471.9
Average % Solids Removed	97.7%	97.5%
Biosolids Generated (MG)	1.86 MG	2.03 MG
BOD % Removed	94.8%	96.0%
Cubic Ft. of Methane Produced (Million cubic feet)	2.55 ft ³	3.24 ft ³
Phosphorus	84.9%	77.3%
Ammonia Overall Treatment	98.8%	99.3%

Laboratory

1,908 Tests Performed in February

- 419 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 746 Total Suspended Solids and 448 Total Volatile Solids
- 115 pH tests on wastewater and sludges
- 122 Settleable solids were conducted on the mixed liquors
- 131 Plant and River samples for Ammonia
- 11 E.coli analysis on Plant and River samples
- 113 Total Solids and Volatile Solids tests on sludges
- 38 Industry and River samples for independent analysis
- 138 Phosphorous tests on Plant, River, and Ditch samples
- Plant and river samples were tested for the following for additional NPDES permit requirements:
 - * 26 TKN (total kjeldahl nitrogen)
 - * 18 Nitrate
- 31 Waste hauler samples were collected and checked

Maintenance

Work Performed at Treatment Plant

- * Repaired #4 and #5 primary chains.
- * Removed all 12 mixers from aeration tanks for repairs.
- * Incoming tunnel pipe patched for prevention of water infiltration.
- * Cleaned contact tank.

Work Performed at Lift Stations

- * Preventative maintenance and grounds maintenance performed at all lift stations.
- * Chemical injection pump replaced at Romney Road.
- * Replumbed chemical feed lines at Ross Road.
- * Debris removed from #1 pump at Pearl River.
- * Replaced #1 pump at Waterstone.
- * Block heater replaced at Cobblestone.

Lafayette Renew

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Stormwater

STORMWATER MONTHLY NUMBERS

FEBRUARY	2025	2024		2025	2024
Catch Basin Calls	0	2	Erosion Control Inspections	47	45
Sweeper Calls	7	15	Catch Basin Repaired	0	8
Sweeper Debris Removal (tons)	13.32	91.68	Catch Basins Cleaned	0	1
Stormwater Calls	1	2	Ft. of Storm Sewer Jet Clean	0	60

Work Performed

- * Pre-construction meetings attended for erosion control measures.
- * Six BMP inspections performed throughout the City.
- * 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 12 City-owned properties.
- * Completed manhole bladder inspections throughout the City.
- * Curtain replacement on all sweepers completed.
- * Washout platform moved from Street Dept. and installed at Renew.
- * Cleaned up trash out of bio-swales throughout the City.
- * Assist WREC personnel with honeysuckle removal at McAllister Park.

Surveillance

Performed Surveillance

SIGNIFICANT: Caterpillar, Kelly Construction, DANA and Rea Magnet.
GENERAL: none

Annual Industrial Pretreatment Inspections

none

GREASE TRAPS

Interior Inspection	17	Business Compliance Meeting	1
Exterior Inspection	60	Rough-in Inspection	0
Oil/Grit Separator Inspection	8	Final Inspection	0
Plan Reviews	5	Under Slab Inspection	1

Work Performed

- * Industrial meters read for billing purposes.
- * River sampling and creek and ditch sampling performed.
- * Durkees Overflow data downloaded for monthly report.
- * Review of Sewer Use Ordinance continues.
- * Working with BF&S to develop Surveillance GIS map.
- * Site visit conducted at: Worwag, Love’s Travel Stop, Republic Services, Servpro, and Heartland Storage.
- * Continued collaborative project with Purdue.
- * Inspections performed at Caterpillar for new construction.
- * Inventory of surveillance equipment conducted.

Biosolids Land Application Program

- ◆ The monthly Land Application of Biosolids report was submitted to IDEM.
- ◆ Biosolids hauled (land applied) - 1.44 MG with avg. solids of 3.40%
- ◆ Volute press (landfilled) - 102.44 dry tons
- ◆ Soil sampling and field checks performed on fields permitted through the Land Application program.

Sewers

SEWER MONTHLY NUMBERS

FEBRUARY	2025	2024		2025	2024
Backup Calls	10	15	Manhole Frames Raised	0	2
City Blockages	0	1	Ft. of Sewer Jet Cleaned	388	920
Sanitary Calls	20	7	Ft. of Sewer Jet Cleaned—PM	0	31,224
Odor Calls	0	2	Total Manholes Cleaned	2	164
Tap Inspections	22	53	Ft. of Sewer Televised	413	735
Sewer Locates	687	1,053	Ft. of Sewer Root Cut	0	545

Work Performed

- * Preventative maintenance performed throughout the City.
- * Inspected Combined Sewer Overflow Structures.
- * Manhole checks performed in the Prairie Oaks subdivision area.
- * Televised City sewer line on Schuyler Avenue for a sinkhole issue.
- * Televised City sewer lines for investigation purposes at:
 - ◆ N. 9th Street and South Street
 - ◆ 2500 block of Elk Street
- * Performed sewer repair at N. 36th Street and Union Street.
- * Snow plow truck repairs performed.