

**Monthly Informational Report  
January 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: 0.51 inches\*  
\*Total taken from daily average of five rain gauges

- \* Service Area 11B: sewer installation, excavation for lift station, and dewatering wells installation continues.
- \* Three Packs project:
  - Aeration tank diffusers: new #5 and #6 tanks online.
- \* Approved by BOW :
  - WWTP/RRLS Solar Field: Certificates of Substantial and Final Completion w/ Veregy 1/28.
  - Service Area 11B: Contract Amendment 2 w/ HWC Eng. 1/28 and BOT Agreement Scope Modification w/ Bowen Eng. 1/28.
  - CSO LTCP Phase II-D HRT: Quote opening 1/14 and Contract and Notice to Proceed w/ Bowen Eng. 1/28.
  - 9th Street Culvert Repair: Solicit quotes 1/28.
- \* 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

**Operations**

- Work Performed
- \* Removed algae from primary clarifier weirs.
  - \* Debris removed from four aeration basins.
  - \* Conducting an inventory for equipment and parts for upcoming disinfection season.
  - \* Dropped and flushed both grit removal tanks.
  - \* Dropped two of the primary clarifiers for maintenance repair.
  - \* Painted safety yellow around trip hazards and machinery throughout the plant.
  - \* Pressure washed 20-yard dumpster rooms.
  - \* Flushed fine screen channels and exercised the gates, and cleaned fine screen conveyor of debris.
  - \* 2,355,183 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.

	<u>JANUARY</u>	<u>2025</u>	<u>2024</u>
Wastewater Treated (MG)		476.2	479.8
Average % Solids Removed		96.7%	96.5%
Biosolids Generated (MG)		2.09 MG	2.00 MG
BOD % Removed		95.3%	96.5%
Cubic Ft. of Methane Produced (Million cubic feet)		2.85 ft <sup>3</sup>	2.51 ft <sup>3</sup>
Phosphorus		82.7%	83.8%
Ammonia Overall Treatment		92.2%	90.3%

**Laboratory**

2,056 Tests Performed in January

- 539 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 772 Total Suspended Solids and 441 Total Volatile Solids
- 126 pH tests on wastewater and sludges
- 131 Settleable solids were conducted on the mixed liquors
- 113 Plant and River samples for Ammonia
- 5 E.coli analysis on Plant and River samples
- 130 Total Solids and Volatile Solids tests on sludges
- 25 Industry and River samples for independent analysis
- 156 Phosphorous tests on Plant, River, and Ditch samples
- Plant and river samples were tested for the following for additional NPDES permit requirements:
  - \* 11 TKN (total kjeldahl nitrogen)
  - \* 13 Nitrate
- 35 Waste hauler samples were collected and checked

**Maintenance**

Work Performed at Treatment Plant

- \* Replaced hydrogen sulfide sensor on gas meter in headworks bldg.
- \* Raw sewage pump cooling jackets cleaned.
- \* Installed rebuilt motor on #1 blower.
- \* Replaced hose fitting on five ferric pumps and replumbed eye wash station in thickener building.
- \* Replaced heater in motor control center #11.
- \* Water heater replaced in stormwater building.
- \* Replaced return activated sludge pumps #3 and #4.
- \* #4 primary tank chain and sprocket repaired.

Work Performed at Lift Stations

- \* Preventative maintenance and grounds maintenance performed at all lift stations.
- \* Replaced the hour meter on #1 pump at Cracker Barrell.

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## Stormwater

**STORMWATER MONTHLY NUMBERS**

<u>JANUARY</u>	<u>2025</u>	<u>2024</u>		<u>2025</u>	<u>2024</u>
Catch Basin Calls	2	0	Erosion Control Inspections	49	69
Sweeper Calls	3	8	Catch Basin Repaired	4	0
Sweeper Debris Removal (tons)	10.19	87.65	Catch Basins Cleaned	3	18
Stormwater Calls	0	0	Ft. of Storm Sewer Jet Clean	0	89

Work Performed

- \* Pre-construction meetings attended for erosion control measures.
- \* 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.
- \* Remove trees and shrubs from Fairgrounds detention pond.
- \* Performed street sweeper maintenance including sweeper heads, curtains and miscellaneous parts.
- \* Performed manhole bladder inspections throughout the City.
- \* Cleaned up trash out of bio-swales throughout the City.
- \* Updated plow maps for all plow trucks.

## Surveillance

Performed Surveillance

**SIGNIFICANT:** SIA, Primient, Industrial Plating, and Ice Cream Specialties.

**GENERAL:** Foodliner and KAG Specialty Group

Annual Industrial Pretreatment Inspections

none

GREASE TRAPS

Interior Inspection	17	Business Compliance Meeting	0
Exterior Inspection	30	Rough-in Inspection	3
Oil/Grit Separator Inspection	20	Final Inspection	0
Plan Reviews	5	Under Slab Inspection	4

Work Performed

- \* Industrial meters read for billing purposes.
- \* River 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 Southwire.
- \* Began collaborative project with Purdue.
- \* Inspections performed at Caterpillar for new construction.
- \* Quarterly Industrial Non-Compliance Report sent to IDEM.

Biosolids Land Application Program

- ◆ The monthly Land Application of Biosolids report was submitted to IDEM.
- ◆ Biosolids hauled (land applied) - 1.26 MG with avg. solids of 3.79%
- ◆ Volute press (landfilled) - 77.68 dry tons
- ◆ Field checks performed on fields permitted through the Land Application program.

## Sewers

**SEWER MONTHLY NUMBERS**

<u>JANUARY</u>	<u>2025</u>	<u>2024</u>		<u>2025</u>	<u>2024</u>
Backup Calls	16	20	Manhole Frames Raised	0	0
City Blockages	1	1	Ft. of Sewer Jet Cleaned	510	340
Sanitary Calls	11	12	Ft. of Sewer Jet Cleaned—PM	0	0
Odor Calls	1	1	Total Manholes Cleaned	9	0
Tap Inspections	32	53	Ft. of Sewer Televised	746	2,642
Sewer Locates	1,094	1,231	Ft. of Sewer Root Cut	252	185

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 lines for investigative purposes at:
  - ◆ Bonny Lane
  - ◆ 100 block of S 27th Street
- \* Research stormwater lines near Miller Elementary.
- \* Televiser the 1000 block of Holly Drive for sewer blockage follow-up and then cleaned City sewer.