



## Monthly Informational Report

April 2025

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Daily Plant Capacity (peak)—66 MGD

Storm Pumping Stations—3

Collection System Maintained—484.78 miles

Lift Stations—27

Precipitation Total: 3.58 inches\*

\*Total taken from daily average of five rain gauges

- \* Service Area 11B: water main and sewer lines installation continues, lift station base slab poured, Wea School Road restored from S. 200 E. to S. 250 E.
- \* HRT Facility: continue site clearing.
- \* Three Packs Project—Aeration tank diffusers: #2 & #4 tanks online, removal of old and install of new of #1 and #3 tanks.
- \* Approved by BOW:
  - ◆ Prairie Oaks Bypass: bids open 4/29
  - ◆ Nanshan Permit renewed 4/1
- \* Personnel completed Sexual Harassment Training and attended DOT truck/trailer training with Indiana State Police.
- \* Personnel assisted with Wabash Rover Sampling Blitz.

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

### Work Performed

- \* Algae removed from primary and final clarifier weirs.
  - \* Debris removed from aeration basins.
  - \* Began disinfection season.
  - \* Pressure washed dumpster rooms and equipment in headworks building.
  - \* Continue to paint water lines and valves throughout the plant.
  - \* Dropped and flushed grit removal tanks.
  - \* Fine screen channels flushed and exercised the gates and cleaned conveyor of debris buildup.
  - \* 733,195 gallons of digested sludge from storage tanks dewatered for land application program and personnel assisted with loading sludge trucks.
- 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

APRIL	2025	2024
Wastewater Treated (MG)	652.9	748.2
Average % Solids Removed	96.8%	95.3%
Biosolids Generated (MG)	1.93 MG	1.95 MG
BOD % Removed	93.1%	91.3%
Cubic Ft. of Methane Produced (Million cubic feet)	3.24 ft <sup>3</sup>	3.10 ft <sup>3</sup>
Phosphorus	79.3%	77.6%
Ammonia Overall Treatment	99.5%	78.7%

## Laboratory

2,405 Tests Performed in March

- 515 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 799 Total Suspended Solids and 480 Total Volatile Solids
- 127 pH tests on wastewater and sludges
- 150 Settleable solids were conducted on the mixed liquors
- 140 Plant and River samples for Ammonia
- 40 E.coli analysis on Plant and River samples
- 111 Total Solids and Volatile Solids tests on sludges
- 36 Industry and River samples for independent analysis
- 238 Phosphorous tests on Plant, River, and Ditch samples
- 169 Chlorine samples on plant effluent samples were checked
- Plant and river samples were tested for the following for additional NPDES permit requirements:
  - \* 11 TKN (total kjeldahl nitrogen)
  - \* 12 Nitrate
- 57 Waste hauler samples were collected and checked

## Maintenance

### Work Performed at Treatment Plant

- \* Replaced battery on generator #391.
- \* Un-airlocked #6 primary sludge pump.
- \* Repaired water leak and replaced #7 ferric pump head in thickener bldg.
- \* Replaced wires to #17 & #18 return pumps in #9 final clarifier.
- \* Replaced auger on #2 grit washer and replaced #1 raw sewage pump in headworks.
- \* Repaired the HPP-1 (hot water primary pump) in the digester.
- \* Replaced piping and valves behind #1 grit pump in tunnel.

### Work Performed at Lift Stations

- \* Preventative maintenance and grounds maintenance performed at all lift stations.
- \* Replaced high wet well float at Ashton Woods.
- \* Repaired leak on chemical system at Ross Road.
- \* #2 pump at Twyckenham replaced.
- \* Replaced #2 pump motor starter at Golf Course.
- \* #3 pump replaced at Prairie Oaks.
- \* Repair bleach line leak and pulled #4 storm pump to remove debris and tighten baffle bolts at storm pump station at the plant.

# Lafayette Renew

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### Stormwater

STORMWATER MONTHLY NUMBERS

APRIL	2025	2024		2025	2024
Catch Basin Calls	9	3	Erosion Control Inspections	60	46
Sweeper Calls	15	16	Catch Basin Repaired	6	7
Sweeper Debris Removal (tons)	209.6	239.5	Catch Basins Cleaned	5	10
Stormwater Calls	12	7	Ft. of Storm Sewer Jet Clean	65	10

#### Work Performed

- \* Pre-construction meetings attended for erosion control measures.
- \* Performed 11 Best Management Practice (BMP) Inspections throughout the City
- \* 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 19 City-owned properties.
- \* Storm sewer preventative maintenance performed in the area of: Beck Ln. to Teal Rd. and Summerfield Dr. to Concord Rd.
- \* Clean up Pearl River lift station property for construction.
- \* Perform maintenance on pavers at S. 9th Street and Kossuth Street intersection.
- \* Performed SWPPP inspections at Facilities Department.
- \* Spray for invasive plants and pick up trash out of bio-swales.
- \* Personnel assisted with De-trash the Wabash event.
- \* Performed catch basin repairs throughout the City.

### Surveillance

#### Performed Surveillance

**SIGNIFICANT:** Rea Magnet, DANA, Primient, and SIA  
**GENERAL:** Southwire and Evonik

#### Annual Industrial Pretreatment Inspections

Industrial Plating

#### GREASE TRAPS

Interior Inspection	18	Business Compliance Meeting	1
Exterior Inspection	90	Rough-in Inspection	1
Oil/Grit Separator Inspection	50	Under Slab Inspection	2
Plan Reviews	13	Final Inspection	3

#### Work Performed

- \* Industrial meters read for billing purposes.
- \* River sampling, and creek and ditch sampling, performed.
- \* Durkees Overflow data downloaded for monthly report.
- \* Semi-Annual WET (Whole Effluent Toxicity) Test sampling conducted, completed, and submitted to IDEM with passing results.
- \* Site visit conducted at Perry Foam Products.
- \* Inspections performed at Caterpillar for new construction.
- \* Pretreatment Annual Report submitted to EPA and IDEM.
- \* Project with Purdue continues.
- \* Begin reviews for Industrial Parks.

#### Biosolids Land Application Program

- ◆ Biosolids hauled - 2.00 MG with average % solids of 4.024
- ◆ Volute press (landfilled) - 126.71 dry tons
- ◆ The monthly Land Application of Biosolids report was submitted to IDEM.
- ◆ Field checks performed on permitted ground that biosolids are applied to.

### Sewers

SEWER MONTHLY NUMBERS

APRIL	2025	2024		2025	2024
Backup Calls	23	23	Manhole Frames Raised	0	23
City Blockages	1	3	Ft. of Sewer Jet Cleaned	1,739	3
Sanitary Calls	0	12	Ft. of Sewer Jet Cleaned—PM	0	12
Odor Calls	1	0	Total Manholes Cleaned	24	0
Tap Inspections	40	24	Ft. of Sewer Televised	11,679	24
Sewer Locates	1,559	1,314	Ft. of Sewer Root Cut	1,138	1,314

#### Work Performed

- \* Preventative maintenance performed throughout the City.
- \* Inspected Combined Sewer Overflow Structures.
- \* Manhole checks performed in the Prairie Oaks subdivision area.
- \* Clean catch basin areas.
- \* Televised sewer lines for an I/I investigation in the area of Kossuth Street and Earl Avenue.
- \* Assist Waterworks Department with hydro-excavating for various repair work.
- \* Started and completed Spring hot list.
- \* Completed sewer seal at McAllister Center for Parks Dept.
- \* Rehabbed four manholes for a manhole raising project.
- \* Televised sewer line on Smith Street for investigation purposes.
- \* Salt boxes and plows removed from trucks.