



FILED
CITY CLERK

2024 AUG 26 P 2:23

CINDY MURRAY

Monthly Informational Report

July 2024

Page 1

Daily Plant Capacity (peak)—66 MGD

Collection System Maintained—484.78 miles

Storm Pumping Stations—3

Lift Stations—27

Precipitation Total: 4.57 inches*

*Total taken from daily average of five rain gauges

- * WWTP/RRLS Solar Field: site work and install support posts for WWTP
- * Three Packs project:
 - Underwood Collection System – dry well installation continues
- * Approved by BOW:
 - Service Area 11B: bond issuance, Resolution with Bowen Eng 7/2 and Construction Inspection Contract with United Consulting 7/2
 - 2023 Sanitary Sewer Rehab: Change Order 1 and Certificate of Substantial Completion with Miller Pipeline 7/9

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 and secondary clarifier weirs.
- * Debris removed from aeration basins.
- * A 1000 hp blower motor was rebuilt.
- * Dropped and flushed the grit removal tanks.
- * Cleaned fine screen conveyor system of debris buildup.
- * Fine screen channels flushed and exercised the gates.
- * 600,971 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.

	JULY	2024	2023
Wastewater Treated (MG)		551.4	534.8
Average % Solids Removed		97.1%	96.7%
Biosolids Generated (MG)		1.97 MG	2.02 MG
BOD % Removed		91.3%	93.4%
Cubic Ft. of Methane Produced (Million cubic feet)		2.97 ft ³	2.46 ft ³
Phosphorus		80.0%	78.2%
Ammonia Overall Treatment		97.1%	97.3%

Laboratory

2,530 Tests Performed in March

- 611 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 804 Total Suspended Solids and 496 Total Volatile Solids
- 125 pH tests on wastewater and sludges
- 186 Settleable solids were conducted on the mixed liquors
- 156 Plant and River samples for Ammonia
- 40 E.coli analysis on Plant and River samples
- 133 Total Solids and Volatile Solids tests on sludges
- 86 Industry and River samples for independent analysis
- 194 Phosphorous tests on Plant, River, and Ditch samples
- 162 Chlorine samples on plant effluent samples were checked
- Plant and river samples were tested for the following for additional NPDES permit requirements:
 - * 15 TKN (total kjeldahl nitrogen)
 - * 18 Nitrate
- 55 Waste hauler samples were collected and checked

Maintenance

Work Performed at Treatment Plant

- * Replaced methane gas valve on #1 boiler.
- * Drain valve for #10 final clarifier repaired.
- * Installed rebuilt #1 blower motor and replaced power wires on electric air fan in blower building.
- * Replaced bearings on hydraulic tensioner of #1 gravity belt thickener.
- * Hydraulic lines pulled to investigate for leaks on #3 and #4 screen at the Greenbush CSO tank.
- * Refrigeration sled replaced on the effluent flow meter.

Work Performed at Lift Stations

- * Preventative maintenance and grounds maintenance performed at all lift stations.
- * Cleaned McCarty Lane wet well.
- * Multitrode probe replaced at Cracker Barrel
- * Debris removed from #3 pump at Pearl River

Lafayette Renew

Monthly Informational Report

July 2024
Page 2

Stormwater

STORMWATER MONTHLY NUMBERS

JULY	2024	2023		2024	2023
Catch Basin Calls	6	17	Erosion Control Inspections	62	72
Sweeper Calls	15	10	Catch Basin Repaired	6	15
Sweeper Debris Removal (tons)	137	146	Catch Basins Cleaned	342	100
Stormwater Calls	6	4	Ft. of Storm Sewer Jet Clean	28	119

Work Performed

- * Pre-construction meetings attended for erosion control measures.
- * Performed two Best Management Practice (BMP) Inspections throughout 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 21 City-owned properties.
- * Storm sewer preventative maintenance performed in the area surrounding McCarty Lane from State Street & Earl Avenue to I-65
- * Maintenance on Brown Street/North Street pavers and on Kossuth Street pavers; also replaced missing pavers and sand from joints at Kossuth Street pavers.
- * Roadside stabilization maintenance adding dirt and rip rap in 4400 block of Veterans Memorial Pkwy.
- * Grounds maintenance on concrete median islands on the south side of the city and around the WWTP.

Surveillance

Performed Surveillance

SIGNIFICANT: Rea Magnet, DANA, Industrial Plating, and Ice Cream Specialties
GENERAL: none

Annual Industrial Pretreatment Inspections

Primient			
GREASE TRAPS			
Interior Inspection	32	Business Compliance Meeting	0
Exterior Inspection	88	Rough-in Inspection	2
Oil/Grit Separator Inspection	32	Final Inspection	1
Plan Reviews	10	Under Slab Inspection	0

Work Performed

- * Industrial meters read for billing purposes.
- * River sampling and creek and ditch sampling was performed.
- * Durkees Overflow data downloaded for monthly report.
- * Maintenance performed on Pearl River rain gauge.
- * Personnel conducted 11 inspections at dental facilities.
- * Site visit conducted at Foodliner.
- * Miscellaneous Industrial Application letters were sent to various businesses throughout the City.
- * Investigated industrial parks for potential miscellaneous users.
- * Commercial and residential sites sampled for Local Limits data.

Biosolids Land Application Program

- ◆ Biosolids hauled - none
- ◆ Volute press (landfilled) - 262.48 dry tons
- ◆ The monthly Land Application of Biosolids report was submitted to IDEM.

Sewers

SEWER MONTHLY NUMBERS

JULY	2024	2023		2024	2023
Backup Calls	13	16	Manhole Frames Raised	0	13
City Blockages	0	0	Ft. of Sewer Jet Cleaned	0	520
Sanitary Calls	9	7	Ft. of Sewer Jet Cleaned—PM	60,753	91,606
Odor Calls	1	0	Total Manholes Cleaned	249	374
Tap Inspections	39	112	Ft. of Sewer Televised	437	425
Sewer Locates	1,355	1,684	Ft. of Sewer Root Cut	0	0

Work Performed

- * Preventative maintenance performed throughout the City.
- * Inspected Combined Sewer Overflow Structures.
- * Manhole checks performed in the Prairie Oaks subdivision area.
- * Vacuum cleaned drains in headworks building.
- * Televised sewers at Columbian Park for investigative purposes.
- * Assist Waterworks Dept. with water main dig up.
- * Locate and televise sewer in 2200 block of Winterset Drive.
- * Locate water and gas services on King Street for upcoming storm sewer work.