



Monthly Informational Report January 2024

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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: 4.04 inches*

*Total taken from daily average of five rain gauges

- * WWTP/RRLS Solar Field: site clearing.
- * Raineybrook LS: begin directional drilling of force main.
- * 2023 Sanitary Sewer Rehab: sewer cleaning.
- * Approved by BOW :
 - Misc. WWTP Improvements: Certificate of Substantial Completion.
 - Service Area 11B: Request to Advertise to Bid.
 - Emergency Prairie Oaks Sanitary Sewer Rehab: Contract with Wessler Eng.
- * Personnel completed annual safety training videos and quizzes.
- * Personnel attended Trenching and Shoring training classes.

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 six aeration basins.
 - * Painted pump bases throughout the plant.
 - * Headworks wet wells were pumped down to remove grit from system.
 - * Dropped one of the primary clarifiers for maintenance repair.
 - * Prepped pumps and analyzers for upcoming disinfection season.
 - * Pressure washed 20-yard dumpster rooms and cleaned fine screen conveyor system.
 - * Flushed fine screen channels and exercised the gates.
 - * 1,412,745 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.

JANUARY	2024	2023
Wastewater Treated (MG)	658.4	479.8
Average % Solids Removed	95.3%	96.5%
Biosolids Generated (MG)	1.82 MG	2.00 MG
BOD % Removed	95.6%	96.5%
Cubic Ft. of Methane Produced (Million cubic feet)	2.81 ft ³	2.51 ft ³
Phosphorus	80.7%	83.8%
Ammonia Overall Treatment	97.7%	90.3%

Laboratory

2127 Tests Performed in January

- 504 Biochemical Oxygen Demand (BOD) tests on Plant, River, and Industrial samples
- 846 Total Suspended Solids and 496 Total Volatile Solids
- 161 pH tests on wastewater and sludges
- 186 Settleable solids were conducted on the mixed liquors
- 84 Plant and River samples for Ammonia
- 10 E.coli analysis on Plant and River samples
- 123 Total Solids and Volatile Solids tests on sludges
- 17 Industry and River samples for independent analysis
- 119 Phosphorous tests on Plant, River, and Ditch samples
- Plant and river samples were tested for the following for additional NPDES permit requirements:
 - * 12 TKN (total kjeldahl nitrogen)
 - * 17 Nitrate
 - * 12 Nitrite
- 36 Waste hauler samples were collected and checked

Maintenance

Work Performed at Treatment Plant

- * Repaired drywall and repainted administrative large conference room.
- * Pulled new wire for #4 aeration tank bypass rotork.
- * Oil drum containment replaced in coarse screen room.
- * Repaired seals on 7A hot water supply pump in boiler room.
- * 4A recirculation pump in digester building replaced.
- * Installed Automated External Defibrillator cabinets throughout the plant.
- * Completed 37 work orders.

Work Performed at Lift Stations

- * Preventative maintenance and grounds maintenance performed at all lift stations.
- * Replaced pump alternator, #1 pump main breaker, and motor starter at 550.

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Stormwater

STORMWATER MONTHLY NUMBERS

JANUARY	2024	2023		2024	2023
Catch Basin Calls	6	0	Erosion Control Inspections	67	69
Sweeper Calls	7	8	Catch Basin Repaired	0	0
Sweeper Debris Removal (tons)	24.58	87.65	Catch Basins Cleaned	4	18
Stormwater Calls	4	0	Ft. of Storm Sewer Jet Clean	47	89

Work Performed

- * Pre-construction meetings attended for erosion control measures.
- * Maintenance performed on bio-swailes 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.
- * Regrade drainage swale on Frontage Road.
- * Remove fallen tree from Fairgrounds detention area.
- * Performed street sweeper maintenance including sweeper heads, curtains and miscellaneous parts.
- * Performed manhole bladder inspections throughout the City.

Surveillance

Performed Surveillance

SIGNIFICANT: Caterpillar, Primient, and SIA.

GENERAL: none

Annual Industrial Pretreatment Inspections

none

GREASE TRAPS

Interior Inspection	26	Business Compliance Meeting	4
Exterior Inspection	69	Rough-in Inspection	0
Oil/Grit Separator Inspection	36	Final Inspection	1
Plan Reviews	12	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.
- * Site visit conducted at Southwire.
- * 4th Qtr. 2023 Industrial Non-Compliance Report sent to IDEM.
- * Performed review of Industrial reports.
- * Sampler battery testing performed.
- * Local Limits Re-evaluation sent to EPA and IDEM.
- * Attended per- and polyfluoroalkyl (PFA) Sampling webinar.
- * Preventative maintenance done on Columbian Park rain gauge.

Biosolids Land Application Program

- ◆ The monthly Land Application of Biosolids report was submitted to IDEM.
- ◆ Biosolids hauled (land applied) - none
- ◆ Volute press (landfilled) - 226.80 dry tons
- ◆ Soil sampling performed on fields permitted through the Land Application program.

Sewers

SEWER MONTHLY NUMBERS

JANUARY	2024	2023		2024	2023
Backup Calls	19	20	Manhole Frames Raised	0	0
City Blockages	1	1	Ft. of Sewer Jet Cleaned	270	340
Sanitary Calls	3	12	Ft. of Sewer Jet Cleaned—PM	0	0
Odor Calls	2	1	Total Manholes Cleaned	2	0
Tap Inspections	27	53	Ft. of Sewer Televised	160	2,642
Sewer Locates	1,160	1,231	Ft. of Sewer Root Cut	160	185

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 throughout the City.
- * Created 1” brick and manhole risers.
- * Repaired necessary salt boxes and plows.
- * Clean plant final tank.
- * Clean debris from jet truck tanks.

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CITY CLERK

2024 FEB 12 A 10:20

CINDY MURRAY



February 12, 2024

Mayor Anthony Roswarski

City Hall

20 N 6th Street

Lafayette, In. 47901

Dear Mayor Roswarski:

The attached is a report of work done by the Street & Sanitation Departments during the month of January, 2024.

Respectfully,

Dan Crowell

Street Commissioner

Street & Sanitation Summary from Daily Reports for Month of January 2024

Excluding Dan Crowell, Mike Roush, All Foremen & All Paid Time Off

	Hours	Loads	Tons	Trash Removal	Hours	Loads	Tons	Cost
Sweeping								
2052	0	0	0		2944	355	1508.06	83561.71
Total \$ to Best Way Transfer Station	\$100,814.15			Garbage - Transfer Station	224	159	231.11	0
Total \$ to Waste Mgmt Transfer Station	\$0.00			Recycleables - Transfer Station + CB	1104	94	311.36	17252.44
Combined Total	\$100,814.15			Large Item removal - Transfer Station	216			
				Assist Sanitation	Total	Total	Total	Total
					4488	608	2050.53	\$100,814.15

	Hours	Loads	Tons	Street & Alley	Hours	Loads	Tons	Cost
Street & Alley								
Brush/Trees - City Landfill	1200	131	0	Paving/Patching/Crack Seal	768	0	0	
Paving per Engineering	0	0	0	Alley Trims	0	0	0	
Snow/Brine/Ice	2384	0	0	Roadside Cleanup/Yard Repair	168	0	0	
Hauled stone	80	0	0	Leaves	80	5	0	
Mowing	16	0	0	Misc	32	0	0	
Assist Facilities Dept	0	0	0	Barn/Equipment	544	0	0	
	Total	Total	Total		Total	Total	Total	Total
	3680	131	0		1592	5	0	0

	Hours	Loads	QTY	Administrative	Hours
CDL Training					
Janitorial	0	0	0	Clerical	142
City Landfill	0	0	0	Dispatch	179
Fleet Maintenance	200	0	0	Parts/tool room	0
CDL Training	160	0	0		
	Total	Total	Total		Total
	360	0	0		321

Total Man Hours	10441	Large Trash Item Loads	94
Total Loads to Transfer	608	Total Tons to Transfer	2050.53
Total Loads Garbage	355	Total Tons of Garbage	1508.06
Total Loads Recycle	159	Total Tons of Recycle	231.11
Total Loads of Brush	131	Total Tons large trash items	311.36
		Total Tons of Sweeper Waste	0

Prepared by:
Nancy Baker
City of Lafayette Motor Vehicle Highway Department

Fuel Usage Summary by Dept.

For the period 1/1/2024 to 1/31/2024

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2024 FEB 12 A 9:28



CINDY MURRAY

Name	Total Gallons	Total Cost
ADMIN LOANER	6.59	\$14.43
ANIMAL CONTROL	384.28	\$858.49
ENGINEERING	378.01	\$846.49
FACILITY	314.32	\$705.59
FIRE	3,275.14	\$6,227.71
FLEET MAINTENANCE	366.80	\$877.88
INFORMATION TECHNOLOGY	45.24	\$102.92
MAYOR	48.00	\$107.87
PARK-ADMINISTRATION	14.02	\$31.55
PARKING OPS	138.14	\$308.97
PARK-MAINTENANCE	1,310.50	\$2,932.66
PARK-ZOO	57.52	\$131.11
POLICE	10,126.83	\$22,486.50
SANITATION	3,604.44	\$11,052.39
STORM WATER - RENEW	1,063.76	\$2,728.61
STREET	6,658.73	\$18,804.69
TRAFFIC	145.54	\$323.61
WATER WORKS	2,680.12	\$6,521.17
WPCD - RENEW	2,139.59	\$5,152.79
Total	32,757.57	\$80,215.42