



Water Pollution Control Department Monthly Informational Report

August 2014

Daily Plant Capacity—52 MGD
Collection System Maintained—470.99 miles

Lift Stations—26
Storm Pumping Stations—2

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

Work Performed

- * Two of the off-line final clarifiers cleaned
- * Weir boards and rim flows cleaned for the on-line final clarifiers
- * Sludge piping on one of the anaerobic sludge digesters was painted
- * Plant out-buildings thoroughly cleaned
- * Digested sludge storage tanks were dewatered

Necessary ground maintenance for the treatment plant was performed.

Daily equipment rotations continue.

Our record keeping and proper sampling procedures required by our NPDES permit continue.

The Operations Department continues to run a very efficient process well within our NPDES permit limits.

OPERATIONS

<u>AUGUST</u>	<u>2014</u>	<u>2013</u>
Wastewater Treated (MG)	520.7	428.5
Average % Solids Removed	98.6%	99.1%
Biosolids Generated (MG)	1.6 MG	1.1 MG
BOD % Removed	97.0%	96.8%
Biosolids Applied to Sites (MG)	--	--
Average % Solids of Biosolids Applied	--	--
Cubic Ft. of Methane Produced (Million cubic feet)	2.3 ft ³	1.5 ft ³
Ammonia Overall Treatment	99.4%	99.1%

Work Performed at the Treatment Plant

- * Replaced lights and ballasts in parking lot pole lights and in the headworks building
- * Two floats in the primary scum station replaced
- * Impellar replaced on the #15 Return Activated Sludge pump in the #8 final tank
- * Replaced gas valve on the #2 boiler in the digester building
- * Battery on the trailer-mounted generator replaced

Work Performed at Lift Stations

- * Waterstone panel door keypads replaced and generator oil pressure sensor replaced
- * Pulled new wire for pump upgrades at Prairie Oaks
- * Cracker Barrel #2 breaker and Omni-Site alert system replaced



MAINTENANCE

2660 Tests Performed in August

- * 592 Biochemical Demand (BOD) tests on Plant, River, and Industrial samples
- * 582 Total Suspended Solids and 346 Total Volatile Solids
- * 183 pH tests on wastewater and sludges
- * 186 Settleable solids and 18 respiration rate tests were run on the mixed liquors
- * 83 Plant and River samples for Ammonia
- * 49 Ecoli analysis on Plant and River samples
- * 149 Chlorine/Bisulfite tests
- * 242 Total Solids and Volatile Solids tests on sludges
- * 81 Industry and River samples for independent analysis
- * 52 Phosphorous tests on Plant, River, and Ditch samples
- * 22 Reactive Phosphate tests for Plant and Industry
- * 75 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
<u>AUGUST</u>	<u>2014</u>	<u>2013</u>	
Erosion Control Inspections	207	216	* Street sweepers removed 192.4 tons of debris from roadways.
Catch Basin Calls	3	4	* Personnel attended pre-con meetings for erosion control measures
Catch Basin Repaired	24	14	* Bio-swale maintenance along Veterans Memorial Parkway and Concord Road
Ft. of Storm Sewer Jet Clean	66	100	* Maintenance on rain gardens at County courthouse and North Street
Storm Manholes Raised	0	1	* Mowing and maintenance performed at LUR Ditch
Ft. of Storm Sewer Installed	0	0	* Re-establish spillways in Mill Creek Subdivision
Ft. of Storm Sewer Repaired	6	5	* Maintenance on ditch in front of Autozone on US 52 S.
			* Personnel did a walk-through with Williams Creek at the Jeff High School Storm Park
			* Ditches on Mary Hill and Valley Street cleaned



STORMWATER

	<u>Work Performed</u>	MONTHLY NUMBERS		
		<u>AUGUST</u>	<u>2014</u>	<u>2013</u>
	* Catch basin areas cleaned	Backup Calls	12	9
	* Smoke test letters handed out	City Blockages	0	0
	* Waterstone Lift Station cleaned	Sanitary Calls	11	11
	* Sewer repair at S. 1st Street and Ellsworth Street	Odor Calls	2	3
	* Cleaned final tanks at the treatment plant	Tap Inspections	27	56
	* Plugged overflows around the Columbian Park area	Manhole Frames Raised	2	4
		Manholes Repaired	0	0
		Ft. of Sanitary Sewer Repaired	2	4
		Ft. of Sewer Jet Cleaned	2,931	310
		Ft. of Sewer Jet Cleaned—PM	43,522	17,702
		Ft. of Sewer Televised	5,873	13,264

SEWERS

Annual Industrial Pretreatment Inspections
Coleman Cable Co.

Submitted Reports to Indiana Department of Environmental Management
Land Application of Biosolids
Preliminary Pretreatment Audit

Grease Traps Inspected
Interior—2
Exterior—64
Oil/Grit—50

Other Work Performed

- * Dye testing performed on water-only accounts for billing verification
- * Permitted Industrial meter readings for billing purposes completed
- * Quarterly river, creek and ditch sampling completed
- * Sampling/testing continues for Phosphorus
- * Sewer Use Ordinance amendments passed second and final reading by the City Council

Performed Surveillance

Significant Industrial Contributors

- Tate & Lyle South
- Caterpillar
- Kelly Construction
- TRW
- Wabash National
- Nanshan
- SIA

General Industrial Contributors

None

SURVEILLANCE

