



# Water Pollution Control Department Monthly Informational Report

September 2014

Daily Plant Capacity—52 MGD  
Collection System Maintained—473.11 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

- \* Weir boards and rim flows cleaned on the 70' final clarifiers
- \* Pressure washed concrete sidewalks and structures at the primary and secondary operations
- \* Windows in the outbuildings of the plant were cleaned
- \* The new grit removal piping system was put online and the operators were trained on the new procedures for the system
- \* Dewatering of the sludge storage tanks was performed

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

SEPTEMBER	2014	2013
Wastewater Treated (MG)	523.1	398.2
Average % Solids Removed	97.9%	99.0%
Biosolids Generated (MG)	1.7 MG	1.5 MG
BOD % Removed	96.4%	97.0%
Biosolids Applied to Sites (MG)	--	0.609
Average % Solids of Biosolids Applied	--	3.79%
Cubic Ft. of Methane Produced (Million cubic feet)	2.1 ft <sup>3</sup>	2.0 ft <sup>3</sup>
Ammonia Overall Treatment	99.2%	99.5%

### Work Performed at the Treatment Plant

- \* Water line on the #1 grit tank drain line was replaced
- \* Replaced the suction plate on the #2 grit pump
- \* Spool piece on the grit suction line replaced
- \* Replaced the gas flow meter on the #4 digester
- \* The coupling on the air conditioner recirculation pump was replaced
- \* Installed a cement pad for the second roto strainer in the fine screen room
- \* The #2A recirculation pump was rebuilt for the #2 digester
- \* Sump pump float for the effluent flow meter replaced at the contact tank
- \* Replaced the bearing assembly on the cooling supply pump for the air conditioning in the administration building

### Work Performed at Lift Stations

- \* Replaced the #3 motor at Hickory Hills
- \* The Omnisite alarm system taken from Cracker Barrel and put at Butler Meadows
- \* Exhaust fan replaced on Ross Road wet well
- \* The #2 breaker replaced at Cracker Barrel



## MAINTENANCE

### 2488 Tests Performed in September

- 576 Biochemical Demand (BOD) tests on Plant, River, and Industrial samples
- 510 Total Suspended Solids and 335 Total Volatile Solids
- 178 pH tests on wastewater and sludges
- 180 Settleable solids and 18 respiration rate tests were run on the mixed liquors
- 75 Plant and River samples for Ammonia
- 48 Ecoli analysis on Plant and River samples
- 145 Chlorine/Bisulfite tests
- 236 Total Solids and Volatile Solids tests on sludges
- 19 Industry and River samples for independent analysis
- 19 Phosphorous tests on Plant, River, and Ditch samples
- 83 Waste hauler samples were collected and checked



## LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
SEPTEMBER	2014	2013	
Erosion Control Inspections	215	196	* Street sweepers removed 344.9 tons of debris from roadways.
Catch Basin Calls	2	4	* Performed catch basin and storm line repairs throughout the City
Catch Basin Repaired	7	21	* Worked on Illicit Discharge Detection and Elimination (IDDE) program
Ft. of Storm Sewer Jet Clean	935	0	* Pre-construction meetings attended for erosion control measures
Storm Manholes Raised	0	1	* Performed maintenance on the Jeff High School Storm Park, on bioswales at Veterans Memorial Parkway, Concord Road, and Maple Pointe Drive, and on rain gardens at the County Courthouse and on North Street
Ft. of Storm Sewer Installed	0	0	* Ground maintenance performed on ditch line along SR 26 E from Fairington Drive to Meijer Drive, and at the Farabee Court detention area
Ft. of Storm Sewer Repaired	0	13	* Ribbon Cutting for the Jeff High School Storm Park
			* Personnel assisted with the Wabash River Sampling Blitz for Wabash River Enhancement Corporation



**STORMWATER**

<u>Work Performed</u>			MONTHLY NUMBERS		
			SEPTEMBER	2014	2013
<p><b>SEWERS</b></p>	* Catch basin areas cleaned		Backup Calls	10	15
	* 11 catch basins repaired		City Blockages	0	1
	* Storm sewer repaired at 3119 Dover Lane		Sanitary Calls	14	11
	* Televised 52 storm sewers		Odor Calls	0	1
	* Dig-ups ready for black top		Tap Inspections	28	37
	* Cleaned N. 27th Street sewer		Manhole Frames Raised	0	0
	* Final clarifier tank at the plant cleaned		Manholes Repaired	0	1
	* Cleaned Greenbush sewer at Elmwood Avenue		Ft. of Sanitary Sewer Repaired	0	28
	* Erie Street sewer cleaned		Ft. of Sewer Jet Cleaned	2,089	2,401
	* Inspected Combined Sewer Overflows (CSO's)		Ft. of Sewer Jet Cleaned—PM	11,209	8,031
		Ft. of Sewer Televised	5,272	1,873	

Annual Industrial Pretreatment Inspections

Fairfield Manufacturing  
Tate & Lyle North

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids

Grease Traps Inspected

Interior—59  
Exterior—48  
Oil/Grit—22

Other Work Performed

- \* Industrial Meter readings completed for billing purposes
- \* Industrial User Surveys and Periodic Compliance Forms sent out to the permitted industries
- \* Phosphorus sampling continues
- \* Completed river sampling
- \* Water-only dye test completed
- \* Pretreatment Audit by the Indiana Dept. of Environmental Management
- \* Permit for Carry Transit renewed by the Board of Public Works and Safety

Performed Surveillance

**Significant Industrial Contributors**

Cargill  
Ice Cream Specialty

**General Industrial Contributors**

Lafayette Sani Wash  
Carry Transit  
Transport Service

**SURVEILLANCE**

