



# Water Pollution Control Department Monthly Informational Report

February 2013

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

- \* Water lines painted in the tunnels
- \* Moved the influent sampler into the headworks building for convenience and protection from the weather
- \* Sludge trucks loaded for our biosolids land application program

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

January	2013	2012
Wastewater Treated (MG)	486.9	739.5
Average % Solids Removed	97.8%	96.5%
Biosolids Generated (MG)	2.1 MG	1.8 MG
BOD % Removed	97.7%	95.6%
Biosolids Applied to Sites (MG)	.695	0
Average % Solids of Biosolids Applied	4.18%	0
Cubic Ft. of Methane Produced (Million cubic feet)	3.0 ft <sup>3</sup>	2.6 ft <sup>3</sup>
Ammonia Overall Treatment	98.9%	99.2%

### Work Performed at the Treatment Plant

- \* Replaced the filter elements on the #2 and #3 fine screen
- \* Replaced the eclipse valve and the boiler tubes on the #2 boiler
- \* The oil leak on the #1 coarse screen was repaired
- \* Replaced the coupling on the HHP-1 in the digester building
- \* Cleaned up the Stormwater storage building site

### Work Performed at Lift Stations

- \* Installed a new pump at Masons Ridge
- \* The #2 pump was replaced at Cracker Barrel
- \* The transfer switch at Waterstone was replaced



## MAINTENANCE

### Analyses Performed

- \* 438 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- \* 487 Total Suspended Solids and 454 Total Volatile Solids tests were completed
- \* 168 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- \* 186 Settable solids and 12 respiration rate tests were run on the mixed liquors
- \* 81 Plant and River samples were tested for Ammonia
- \* 8 Ecoli analysis were performed on river samples
- \* 144 Total Solids and 120 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- \* 10 samples of Evonik BFS and 14 samples from the #3 digester were evaluated separately
- \* 8 Alkalinity and Volatile Acid tests were performed
- \* 34 industry and river samples were prepared for independent analysis
- \* 63 Waste hauler samples were collected and checked



## LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
JANUARY	2013	2012	
Erosion Control Inspections	86	--	* Sewer repairs made at 610 and 618 N 30th Street.
Catch Basin Calls	9	2	* Removed dam buildup from Kirkpatrick Ditch.
Catch Basin Repaired	2	--	* Checked overflow manholes and bladder inspections were performed.
Ft. of Storm Sewer Jet Clean	170	--	* The ditch behind the sewer garage was cleaned out for solar panels.
Storm Manholes Raised	0	--	* Storm Water Pollution Prevention Plans (SWPPP) were worked on.
Ft. of Storm Sewer Installed	0	--	* A native plant workshop was attended by Stormwater personnel.
Ft. of Storm Sewer Repaired	0	--	* Televised storm lines on S 18th Street for Durkees Run Phase II.
			* Street sweepers removed 204.9 tons of debris from roadways.



**STORMWATER**

	<u>Work Performed</u>			MONTHLY NUMBERS		
	JANUARY	2013	2012			
	* Wood from trees from Jeff HS area was cut.			Backup Calls	25	19
	* Work performed on Hart Street storm sewer.			City Blockages	3	4
	* City sewer preventative maintenance performed.			Sanitary Calls	3	34
	* Sewer dug up at 2109 S 18th Street to remove jet hose.			Odor Calls	4	2
	* Manhole risers were made.			Tap Inspections	32	19
	* Snow plowing was performed in Areas 8, 9 and 11 and snow plow equipment was checked.			Manhole Frames Raised	0	0
	* Preventative maintenance notices were delivered.			Manholes Repaired	0	0
				Ft. of Sanitary Sewer Repaired	13	0
				Ft. of Sewer Jet Cleaned	5,239	62,440
				Ft. of Sewer Jet Cleaned—PM	31,479	--
				Ft. of Sewer Televised	820	4,887

**SEWERS**

Annual Industrial Pretreatment Inspections

Wabash National  
Kelly Construction

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids  
Permitted Industrial Letter of Violation  
Annual 503 Report

Grease Traps Inspected

Interior—21  
Exterior—45  
Oil/Grit—40

Performed Surveillance

**Significant Industrial Contributors**

Lafayette Instruments  
Tate & Lyle North  
Apollos Water  
Cargill, Inc

**General Industrial Contributors**

Transport Services

**SURVEILLANCE**



Other Work Performed

- \* Calibrated septic waste hauler truck for Rolan Plant Services.
- \* Commercial/residential testing for Local Limits was performed.
- \* Wabash River sampling performed.
- \* Industrial meter reading for billing was completed.
- \* Fairfield Court sampling occurred for oily/fuel oil smell discharge.