



# Water Pollution Control Department Monthly Informational Report

March 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

- \* Tested chemical feed and analyzed equipment for April 1st disinfection season
- \* Moved the influent flow sampler indoors for convenience and better environment for the equipment
- \* Sludge trucks loaded for our biosolids land application program
- \* Four of the 90' final clarifiers were taken offline and cleaned
- \* Six of the 70' final clarifiers were put online
- \* Personnel attended training with Wastewater Solutions, Inc.

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

March	2013	2012
Wastewater Treated (MG)	540	495.3
Average % Solids Removed	97.8%	97.0%
Biosolids Generated (MG)	2.2 MG	1.8 MG
BOD % Removed	97%	96.4%
Biosolids Applied to Sites (MG)	.702	1.4
Average % Solids of Biosolids Applied	3.83%	5.21
Cubic Ft. of Methane Produced (Million cubic feet)	3.1 ft <sup>3</sup>	2.8 ft <sup>3</sup>
Ammonia Overall Treatment	97.4%	99.3%

### Work Performed at the Treatment Plant

- \* Drive chains on the #1 and #2 fine screens replaced
- \* Replaced the on and off floats for the primary scum pump
- \* Contact tank had pumps and mixers installed; tank was also cleaned
- \* Repaired the scum trough
- \* New bleach line and header pipe was installed
- \* Changed the big filters on the #4 blower
- \* Personnel attended training with Wastewater Solutions, Inc.



## MAINTENANCE

### Work Performed at Lift Stations

- \* Replaced the wear ring on McCarty Lane pumps

### Analyses Performed

- \* 456 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- \* 536 Total Suspended Solids and 532 Total Volatile Solids tests were completed
- \* 177 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- \* 186 Setttable solids and 18 respiration rate tests were run on the mixed liquors
- \* 103 Plant and River samples were tested for Ammonia
- \* 10 Ecoli analysis were performed on river samples
- \* 144 Total Solids and 116 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- \* 15 samples of Evonik BFS and 14 samples from the #3 digester were evaluated separately
- \* 24 Chlorine/Bisulfite tests were performed
- \* 34 industry and river samples were prepared for independent analysis
- \* 64 Waste hauler samples were collected and checked



## LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>	
MARCH	2013	2012	*	Personnel attended native plant workshop
Erosion Control Inspections	148	--	*	Manhole structure installed at 612 N 30th Street
Catch Basin Calls	4	15	*	Construction entrance at the turnaround installed
Catch Basin Repaired	7	--	*	Rain gardens at the courthouse cleaned
Ft. of Storm Sewer Jet Clean	92	--	*	Catch basin areas cleaned
Storm Manholes Raised	0	1	*	Completed street sweeper video for social media
Ft. of Storm Sewer Installed	0	--	*	Street sweepers removed 200.3 tons of debris from roadways.
Ft. of Storm Sewer Repaired	0	--	*	Personnel attended training with Wastewater Solutions, Inc.
			*	Attended training for new jet truck operations



**STORMWATER**

MONTHLY NUMBERS			<u>Work Performed</u>	
MARCH	2013	2012	*	Plugged sewer at 3604 Platte Drive
Backup Calls	18	9	*	Lateral repair on Rush Street for Street Department
City Blockages	1	0	*	Installed storm sewer on Hart Street
Sanitary Calls	15	4	*	Replaced manhole ring and lid at Kossuth and Lingle Streets
Odor Calls	2	0	*	Cleanout repaired at #7 Fire Station
Tap Inspections	35	67	*	Personnel attended CDL training
Manhole Frames Raised	1	5	*	Snow plow blades repaired
Manholes Repaired	0	0	*	Lift stations and Areas 8, 9 and 11 snowplowed
Ft. of Sanitary Sewer Repaired	2	0	*	Cut wood at turnaround
Ft. of Sewer Jet Cleaned	876	3,200		
Ft. of Sewer Jet Cleaned—PM	39,750	--		
Ft. of Sewer Televised	1,545	493		



**SEWERS**

Annual Industrial Pretreatment Inspections

Industrial Plating  
Wabash National  
TRW, Inc.

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids  
Annual Pretreatment Report

Grease Traps Inspected

Interior—41  
Exterior—65  
Oil/Grit—32

Other Work Performed

- \* Dye testing performed at Kelly Construction to track flow to wastewater treatment plant
- \* Local Limits testing continued at residential/commercial sites
- \* Quarterly river sampling performed
- \* Monitoring continued in Fairfield Court area for oily/fuel oil smell

Performed Surveillance

**Significant Industrial Contributors**

Wabash National  
Industrial Plating  
Caterpillar  
Kelly Construction  
Ice Cream Specialties

**General Industrial Contributors**

None

**SURVEILLANCE**

