



# Water Pollution Control Department Monthly Informational Report

June 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

- \* Dewatering of the digested sludge storage tanks performed.
- \* The 90' final clarifiers were taken offline for the summer and inspected.
- \* The 70' final clarifiers were put online for the summer.
- \* Outside valve pits and shut offs were located and painted.
- \* Blowers for the aeration system were rotated.
- \* Personnel attended Wastewater Operator Certification training.

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

JUNE	2014	2013
Wastewater Treated (MG)	466.0	523.9
Average % Solids Removed	98.6%	97.7%
Biosolids Generated (MG)	1.5 MG	1.8 MG
BOD % Removed	96.3%	95.5%
Biosolids Applied to Sites (MG)	--	3.9
Average % Solids of Biosolids Applied	--	3.41
Cubic Ft. of Methane Produced (Million cubic feet)	2.38 ft <sup>3</sup>	2.6 ft <sup>3</sup>
Ammonia Overall Treatment	99.0%	98.9%

### Work Performed at the Treatment Plant

- \* In the digester building, two main hot water pump motors were replaced and wire on the 4A recirculation pump was replaced
- \* The hose reel on the primary tank was replaced
- \* Replaced the sump pump in the headworks
- \* Struvite cleaned out of digester sludgeline
- \* Personnel attended Wastewater Operator Certification training
- \* Rebuilding the collector system on the #5 primary tank

### Work Performed at Lift Stations

- \* Grounds maintenance performed at lift stations
- \* Replaced the phase monitor at Crouch
- \* The transducer at McCarty Lane was replaced



## MAINTENANCE


### Analyses Performed

- \* 556 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- \* 510 Total Suspended Solids and 485 Total Volatile Solids tests were completed
- \* 175 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- \* 180 Settleable solids and 12 respiration rate tests were run on the mixed liquors
- \* 75 Plant and River samples were tested for Ammonia
- \* 38 Ecoli analysis were performed on river samples
- \* 120 Chlorine/Bisulfite tests were performed
- \* 230 Total Solids and Total Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- \* 91 industry and river samples were prepared for independent analysis
- \* 79 Waste hauler samples were collected and checked
- \* 24 samples were tested as part of phosphorus monitoring project.




## LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
JUNE	2014	2013	
Erosion Control Inspections	179	238	* Street sweepers removed 200 tons of debris from roadways.
Catch Basin Calls	4	5	* Various ditches were cleaned of trees and debris throughout the City.
Catch Basin Repaired	15	6	* Installed new native plants along Veterans Memorial Parkway and S. 9th Street bioswale.
Ft. of Storm Sewer Jet Clean	137	70	* Maintenance performed on rain gardens at the County courthouse and on North Street.
Storm Manholes Raised	0	0	* Personnel attended pre-construction meetings for erosion control measures and Wastewater Operator training.
Ft. of Storm Sewer Installed	0	70	* Televised and cleaned storm lines and repaired catch basin and storm lines throughout the City.
Ft. of Storm Sewer Repaired	0	0	



**STORMWATER**



**SEWERS**

<u>Work Performed</u>			MONTHLY NUMBERS		
	2014	2013	JUNE	2014	2013
* Sewer repair at N. 3rd Street and Cincinnati Street			Backup Calls	18	17
* Poured sidewalk at the #3 final tank at the treatment plant			City Blockages	2	2
* Sewer installed at S. 3rd Street and Fountain Street for the City's Parks Department			Sanitary Calls	21	5
* Sewer repair at Thompson Street and Sherman Street			Odor Calls	3	2
* Sludge storage tank pipes at the treatment plant were cleaned out			Tap Inspections	32	67
* Personnel attended Personal Protective Equipment training			Manhole Frames Raised	4	10
* Regulators were inspected			Manholes Repaired	0	1
* The spring/fall hot list was worked on			Ft. of Sanitary Sewer Repaired	11	6
			Ft. of Sewer Jet Cleaned	1,062	1,398
			Ft. of Sewer Jet Cleaned—PM	2,498	14,949
			Ft. of Sewer Televised	3,126	3,069

<p><u>Annual Industrial Pretreatment Inspections</u> Tate &amp; Lyle South</p> <p><u>Submitted Reports to Indiana Department of Environmental Management</u> Land Application of Biosolids</p> <p><u>Grease Traps Inspected</u> Interior—42 Exterior—67 Oil/Grit—7</p> <p><u>Other Work Performed</u></p> <ul style="list-style-type: none"> <li>* ALCOA Industrial User Permit approved by the Board of Works and Safety</li> <li>* Personnel attended Wastewater Operator Certification training</li> <li>* Whole Effluent Toxicity test was completed</li> <li>* Conductivity test was performed</li> <li>* Phosphorus testing continues</li> <li>* River sampling completed</li> <li>* Industrial meters read for industrial sewage billing</li> <li>* Hoosier Septic Service permitted as a waste hauler</li> </ul>	<p><u>Performed Surveillance</u></p> <p><b>Significant Industrial Contributors</b> Caterpillar Wabash National Tate &amp; Lyle North Tate &amp; Lyle South</p> <p><b>General Industrial Contributors</b> none</p>
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**SURVEILLANCE**

