



Water Pollution Control Department Monthly Informational Report

May 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

- * The concrete walls and rim flows of the 90' final clarifiers were pressure washed.
- * The gas and sludge lines on all four of the anaerobic digesters were painted.
- * One of the primary clarifiers was dropped cleaned and inspected.
- * The partial flumes at the aeration basins were pressure washed.

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

May	2013	2012
Wastewater Treated (MG)	538.6	478.1
Average % Solids Removed	97.6%	95.6%
Biosolids Generated (MG)	1.7 MG	2.1 MG
BOD % Removed	95.0%	94.8%
Biosolids Applied to Sites (MG)	3.0	6.56
Average % Solids of Biosolids Applied	N/A	3.42
Cubic Ft. of Methane Produced (Million cubic feet)	2.2 ft ³	2.5 ft ³
Ammonia Overall Treatment	98.9%	98.6%

Work Performed at the Treatment Plant

- * The CPU on the PLC was replaced in the blower building
- * Replaced the outside light bulbs and ballasts
- * The drive chain on the #3 fine screen was replaced
- * Debris was removed from the 3A and 3B recirculation pumps

Work Performed at Lift Stations

- * The check valve was replaced on the #2 pump at Rainey Brook
- * Repaired grinders were installed in the Pearl River wet well



MAINTENANCE

Analyses Performed

- * 460 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 548 Total Suspended Solids and 532 Total Volatile Solids tests were completed
- * 197 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 186 Settable solids and 24 respiration rate tests were run on the mixed liquors
- * 90 Plant and River samples were tested for Ammonia
- * 82 Ecoli analysis were performed on river samples
- * 120 Chlorine/Bisulfite tests were performed
- * 136 Total Solids and 136 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 54 industry and river samples were prepared for independent analysis
- * 14 samples were tested as part of DMRQA testing and Periodic Assay Quality Assurance
- * 90 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
MAY	2013	2012	* Personnel attended the annual MS4 meeting
Erosion Control Inspections	247	--	* Work was completed on spillways at Heron Bay ponds
Catch Basin Calls	16	10	* Cleaned silt trap at Vinton Woods ponds
Catch Basin Repaired	11	--	* Debris was removed from ditches at Mary Hill Road and Valley Street
Ft. of Storm Sewer Jet Clean	1,345	--	* Grass mowing brochures were delivered to local businesses
Storm Manholes Raised	1	19	* Work on rain gardens at the courthouse was completed
Ft. of Storm Sewer Installed	454	--	* Street sweepers removed 195 tons of debris from roadways.
Ft. of Storm Sewer Repaired	15	18	* Cleaned and repaired catch basins throughout the city
			* Repaired washout of bio-swale at S 18th Street and Veterans Memorial Parkway
			* Bank stabilization for erosion issues were performed at 1221 and 1229 Creasy Lane



STORMWATER

<u>Work Performed</u>			MONTHLY NUMBERS		
 <p>SEWERS</p>	* Manhole installed at N 3rd Street and Cincinnati Street		MAY	2013	2012
	* Sycamore Street cleaned after Wabash River went down		Backup Calls	16	14
	* Fairfield Court sewer cleaned		City Blockages	2	0
	* Concrete cut from pinch valves at Pearl River lift station		Sanitary Calls	17	12
	* Poured floor in scum pit at the plant		Odor Calls	1	3
	* Storm overflow installed at Cargill, Inc.		Tap Inspections	32	29
	* Columbian Park storm sewer installed		Manhole Frames Raised	3	4
	* Cleaned spring/fall hot list		Manholes Repaired	0	0
			Ft. of Sanitary Sewer Repaired	0	3
			Ft. of Sewer Jet Cleaned	10,634	19,600
		Ft. of Sewer Jet Cleaned—PM	0	--	
		Ft. of Sewer Televised	3,226	18,619	

Annual Industrial Pretreatment Inspections
Caterpillar

Submitted Reports to Indiana Department of Environmental Management
Land Application of Biosolids

Grease Traps Inspected
Interior—32
Exterior—47
Oil/Grit—11

Performed Surveillance

Significant Industrial Contributors
Wabash National
Cargill
Subaru of Indiana Automotive
Nanshan
Rea Magnet
Fairfield

Other Work Performed

- * Completed the 2012 soil sampling
- * Dye testing continues for water-only accounts
- * Attended meeting with ALO Solutions regarding biosolids disposal
- * Investigated a grease issue in Cobblestone subdivision
- * Monthly meter readings were completed for industrial billing
- * Land application field books were updated
- * Quarterly creek and ditch sampling and monthly river sampling were performed
- * Participated in the Wabash River Sampling Blitz
- * Began hydrogen sulfide monitoring with the Oda Loggers

SURVEILLANCE

