



Water Pollution Control Department Monthly Informational Report

September 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

- * Fallen trees and debris on plant property along the river was removed
- * Placed 20 yards of top soil and seeded at site of new Stormwater storage building
- * Gravity belt thickener building thoroughly cleaned and equipment pressure washed
- * Dropped, cleaned and inspected the #1 and #2 grit removal tanks
- * Pressure washed both fine screen and grit dumpster areas
- * Sludge storage tanks dewatered for the biosolids land application program

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	2013	2012
Wastewater Treated (MG)	398.2	465.5
Average % Solids Removed	99.0%	98.1%
Biosolids Generated (MG)	1.5 MG	2.1 MG
BOD % Removed	97.0%	97.9%
Biosolids Applied to Sites (MG)	0.609	--
Average % Solids of Biosolids Applied	3.79%	--
Cubic Ft. of Methane Produced (Million cubic feet)	2.0 ft ³	2.2 ft ³
Ammonia Overall Treatment	99.5%	97.8%

Work Performed at the Treatment Plant

- * Incubator in the plant laboratory repaired
- * Suction valves on the #2 and #3 grit pumps replaced
- * The #1 primary tank put back together and back online
- * At the headworks, new odor control fan installed and impeller on the #3 raw sewage pump installed
- * Installed new impeller on the #1A recirculation pump in the digester building

Work Performed at Lift Stations

- * Repaired check valves at Vinton Woods
- * Pulled Channel Monster grinder at Pearl River



MAINTENANCE

Analyses Performed

- * 456 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 519 Total Suspended Solids and 515 Total Volatile Solids tests were completed
- * 183 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 180 Settleable solids and 18 respiration rate tests were run on the mixed liquors
- * 75 Plant and River samples were tested for Ammonia
- * 68 Ecoli analysis were performed on river samples
- * 176 Chlorine/Bisulfite tests were performed
- * 123 Total Solids and 123 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 50 Industry and River samples were prepared for independent analysis
- * 234 tests conducted on 39 samples from the Purdue Fermentation project to support phosphorous remediation



LABORATORY

- * 67 Waste hauler samples were collected and checked

MONTHLY NUMBERS			<u>Work Performed</u>
SEPTEMBER	2013	2012	* Street sweepers removed 231 tons of debris from roadways.
Erosion Control Inspections	196	--	* Ribbon Cutting for Veterans Memorial Parkway bio-swale maintenance
Catch Basin Calls	4	6	* Pre-con meetings attended for erosion control measures
Catch Basin Repaired	21	6	* Personnel attended
Ft. of Storm Sewer Jet Clean	0	--	* BMP video covering erosion control issues completed
Storm Manholes Raised	1	1	* Rain garden signs installed at Columbian Park and Cary Home
Ft. of Storm Sewer Installed	0	--	* Solar panel field cleaned of debris
Ft. of Storm Sewer Repaired	13	0	* Concrete culvert cleaned and re-installed bar screen at outlet in Munger Park
			* Personnel attended Hazard Communication training, Lockout/Tagout training, an IDDE seminar in Valparaiso, and the annual Indiana Assoc. of Floodplain and Stormwater Management (INAFSM) meeting
			* Detention area off Farabee Court South cleaned up



STORMWATER

<u>Work Performed</u>			MONTHLY NUMBERS		
 <p>SEWERS</p>	* Personnel attended Haz-mat training		SEPTEMBER	2013	2012
	* Plugs installed in overflows in Columbian Park area		Backup Calls	15	13
	* Sewer repairs made at the following locations:		City Blockages	1	0
	1905 Elmwood Avenue		Sanitary Calls	11	35
	N 5th Street and Main Street		Odor Calls	1	6
	1109 Linden Drive		Tap Inspections	37	42
	1015 S 30th Street		Manhole Frames Raised	0	27
	Blitz Subdivision at SR 25 and US 52		Manholes Repaired	1	0
	* Catch basin areas cleaned and catch basins repaired		Ft. of Sanitary Sewer Repaired	28	0
			Ft. of Sewer Jet Cleaned	2,401	94,691
		Ft. of Sewer Jet Cleaned—PM	8,031	--	
		Ft. of Sewer Televised	1,873	2,563	

Annual Industrial Pretreatment Inspections
Fairfield Manufacturing

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

Grease Traps Inspected
Interior—81
Exterior—38
Oil/Grit—72

Other Work Performed

- * Local Limits testing and Phosphorus testing continues
- * Sewer Use Ordinance Review completed
- * Industrial Meter readings completed at permitted industrial users
- * Waste hauler permit issued to Service Industries
- * Personnel participated in the Wabash River Sampling Blitz
- * Annual plant monitoring performed for TTO's
- * Survey letters regarding Molybdenum sent out to commercial businesses
- * New software implemented for the grease trap program
- * Industrial User Surveys sent out as part of our reporting requirements

Performed Surveillance

Significant Industrial Contributors
Subaru of Indiana Automotive
Nanshan
Cargill
Ice Cream Specialty
TRW

General Industrial Contributors
none

SURVEILLANCE

