



Water Pollution Control Department Monthly Informational Report

January 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

OPERATIONS

Work Performed

Painted at the plant

- * the non-potable water lines and booster pumps in thickener building
- * gravity belt thickener, feed pumps and piping
- * Moyno pumps and thickened waste sludge piping
- * the gear and chain covers for the fine screen dumpster trolley

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.

December	2013	2012
Wastewater Treated (MG)	450.3	739.5
Average % Solids Removed	97.9%	96.5%
Biosolids Generated (MG)	1.5 MG	1.8 MG
BOD % Removed	97.7%	95.6%
Biosolids Applied to Sites (MG)	.348	0
Average % Solids of Biosolids Applied	4.14%	0
Cubic Ft. of Methane Produced (Million cubic feet)	3.0 ft ³	2.6 ft ³
Ammonia Overall Treatment	99.4%	99.2%

Work Performed at the Treatment Plant

- * In the digester building, the coupling on HVU-6 was replaced, debris was removed from 1A and 1B recirculation pumps, the 2D valve was replaced and the output card on the PLC was replaced.
- * The #4 raw sewage pump was removed and a new one installed.
- * The filter elements on the #3 fine screen were replaced.
- * The east side waste valve Rotork worm gear was replaced.
- * The Impellor bolt on the #3 grot pump in the tunnel was replaced.



MAINTENANCE

Work Performed at Lift Stations

- * The #2 transducer interface at Prairie Oaks was replaced.
- * The floats at 9th & Beck were replaced.

Analyses Performed



LABORATORY

- * 493 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 478 Total Suspended Solids and 474 Total Volatile Solids tests were completed
- * 179 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 186 Settable solids and 30 respiration rate tests were run on the mixed liquors
- * 99 Plant and River samples were tested for Ammonia
- * 9 Ecoli analysis were performed on river samples
- * 142 Total Solids and 128 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 5 samples of Evonik BFS was evaluated
- * 8 Alkalinity and Volatile Acid tests were performed
- * 39 industry and river samples were prepared for independent analysis
- * 64 Waste hauler samples were collected and checked

MONTHLY NUMBERS			<u>Work Performed</u>
DECEMBER	2013	2012	
Erosion Control Inspections	41	--	* Overflow manholes were checked.
Catch Basin Calls	6	2	* Catch basins repaired at 2517 Cambridge Drive and 2302 Apache Drive.
Catch Basin Repaired	2	--	* Catch basin areas were cleaned and bladder inspections were performed.
Ft. of Storm Sewer Jet Clean	90	--	* 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	--	* Sewer pipe and storm manhole installed at Hart Street between 15th and 16th Streets.
			* Street sweepers were winterized and removed 87 tons of debris from roadways.



STORMWATER

	MONTHLY NUMBERS			
	DECEMBER	2013	2012	
SEWERS	<u>Work Performed</u>			
			* Investigated 108' of sewer at Ferry and Erie Streets.	
			* Force mains at Prairie Oaks lift station were pot-holed.	
			* Rings on cleanouts at secondary building were set.	
			* City sewer preventative maintenance performed.	
			* Pearl River lift station was cleaned.	
			* Four blockage follow-ups were performed.	
			* 2' manhole risers were made.	
			* Snow plowing was performed in Areas 8, 9 and 11.	
			* Preventative maintenance notices were delivered to Valley Forge and Rolling Hills additions.	
		Backup Calls	31	19
		City Blockages	4	4
	Sanitary Calls	4	34	
	Odor Calls	3	2	
	Tap Inspections	27	19	
	Manhole Frames Raised	0	0	
	Manholes Repaired	0	0	
	Ft. of Sanitary Sewer Repaired	0	0	
	Ft. of Sewer Jet Cleaned	3,935	62,440	
	Ft. of Sewer Jet Cleaned—PM	28,382	--	
	Ft. of Sewer Televised	2,757	4,887	

Annual Industrial Pretreatment Inspections
Rea Magnet Wire

Submitted Reports to Indiana Department of Environmental Management
Land Application of Biosolids
Permitted Industrial Letter of Violation

Grease Traps Inspected
Interior—60
Exterior—53
Oil/Grit—38

Performed Surveillance

Significant Industrial Contributors
Fairfield Manufacturing
Rea Magnet Wire
Subaru of Indiana Automotive
Tate & Lyle South
TRW

General Industrial Contributors
Lafayette Sani Wash
Carry Transit

Other Work Performed

- * Odor calls in Concord Road/Veterans Memorial Parkway area were investigated.
- * Standard Operating Procedures (SOPs) and Fact Sheets for industrial pretreatment set-ups were updated.
- * Wabash River sampling performed and creek and ditch sampling was completed.
- * New Industrial User Permits were worked on.
- * Industrial User Permit for Nanshan America Advanced Aluminum Technologies, LLC was approved by the Board of Public Works and Safety
- * A Septic Hauler Discharge Permit was issued to Brooks Septic.
- * Durkees overflow module power problem resolved with battery replacement.
- * Industrial meter readings were completed for billing.

SURVEILLANCE

