



Water Pollution Control Department Monthly Informational Report

February 2014

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

- * Inspection hatches placed on the chemical tanks.
- * Replaced tubing on the chemical feed pumps.
- * Four of the final clarifiers were taken offline to be pumped down and inspected.
- * Painted metal doors throughout the plant.
- * Two storage tanks were dewatered to allow for our biosolids land application program.

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

February	2014	2013
Wastewater Treated (MG)	550.8	486.9
Average % Solids Removed	95.7%	97.8%
Biosolids Generated (MG)	1.8	2.1
BOD % Removed	97.3%	97.7%
Biosolids Applied to Sites (MG)	—	0.695
Average % Solids of Biosolids Applied	—	4.18%
Cubic Ft. of Methane Produced (Million cubic feet)	3.0ft ³	3.0ft ³
Ammonia Overall Treatment	99.2%	98.9%

Work Performed at the Treatment Plant

- * Repaired the #1 coarse screen gate in the headworks.
- * Bleach, water, and sampler lines replaced in the bleach building.
- * The Adjustable Frequency Drive (ADF) was replaced on the #1 recirculation pump in the digester building and the #1 thickened sludge pump in the thickener building.
- * Installed a 4" flange on the water line for the storage tanks.
- * Fan in the heater at secondary electric building and the front end generator was replaced.
- * Replaced the motor on the #1 boiler in the digester building.
- * The open/close knob on the #3 fine screen rotork in the headworks was replaced.
- * Glycol pop-up valves for the mixers were replaced in the digester building.



MAINTENANCE

Analyses Performed

- * 489 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 601 Total Suspended Solids and 409 Total Volatile Solids tests were completed
- * 168 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 168 Settable solids and 12 respiration rate tests were run on the mixed liquors
- * 71 Plant and River samples were tested for Ammonia
- * 5 Ecoli analysis were performed on river samples
- * 112 Total Solids and 112 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 65 industry and river samples were prepared for independent analysis
- * 30 Phosphorous tests conducted
- * 51 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			
FEBRUARY	2014	2013	
Erosion Control Inspections	9	86	* Personnel worked on the rain gardens at the County Courthouse.
Catch Basin Calls	68	9	* Rain barrels were delivered to various local schools for 2014 Paint the Rain for the Wabash.
Catch Basin Repaired	0	2	* Stormwater Pollution Prevention Plan (SWPPP) inspection was performed at the City's Traffic Department.
Ft. of Storm Sewer Jet Clean	7	170	* Personnel worked on a planting list and Standard Operating Procedure (SOP) for Veterans Memorial Parkway.
Storm Manholes Raised	0	0	* A concrete culvert at US 52 and Greenbush Street was cleaned.
Ft. of Storm Sewer Installed	0	0	* Street sweepers removed 105 tons of debris from roadways.
Ft. of Storm Sewer Repaired	0	0	* Preconstruction meetings for erosion control measures and a Local Technical Assistance Program (LTAP) seminar were attended by Stormwater personnel.
			* Televised and investigated the storm conveyance system in Rostone Circle.

Work Performed



STORMWATER



SEWERS

Work Performed

- * City sewer preventative maintenance performed.
- * Manhole and catch basin risers were made.
- * Trucks cleaned.
- * Personnel met with Butler, Fairman, and Seufert regarding Sagamore Parkway

Snow Related

- * Sidewalks at the plant cleared of snow
- * Snow plowing was performed in Areas 8, 9 and 11 with the assistance of other department personnel.
- * Snow plow equipment was checked and repaired as needed.
- * Cleared snow from catch basins throughout the city after plowing to allow for better drainage.

MONTHLY NUMBERS		
FEBRUARY	2014	2013
Backup Calls	28	25
City Blockages	1	3
Sanitary Calls	15	3
Odor Calls	1	4
Tap Inspections	15	32
Manhole Frames Raised	0	0
Manholes Repaired	0	0
Ft. of Sanitary Sewer Repaired	0	13
Ft. of Sewer Jet Cleaned	3,107	5,239
Ft. of Sewer Jet Cleaned—PM	0	31,479
Ft. of Sewer Televised	557	820

Annual Industrial Pretreatment Inspections
Kelly Construction

Submitted Reports to Indiana Department of Environmental Management
Land Application of Biosolids
Annual 503 Report

Grease Traps Inspected
Interior - 53
Exterior - 124
Oil/Grit - 32

Other Work Performed

- * Phosphorus study continues.
- * Technical review of Local Limits continued.
- * Wabash River sampling was performed.
- * Industrial meters were read for monthly billing.
- * Miscellaneous businesses inspected throughout the City, regarding potential Phosphorus sources.
- * Proposed Sewer Use Ordinance changes prepared for City Council approval
- * Tate & Lyle South plant permit renewal was approved by the Board of Public Works and Safety

Performed Surveillance

Significant Industrial Contributors
Subaru of Indiana Automotive
Nanshan
Cargill, Inc
Ice Cream Specialties

General Industrial Contributors
None

SURVEILLANCE

