



Water Pollution Control Department Monthly Informational Report

March 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

- * The disinfection system was tested and repairs and adjustments made as needed
- * Personnel attended training for chemicals used during disinfection season
- * Roads and landscape around the plant have been repaired as needed following the winter weather
- * Grit was pumped out of our wet wells to the grit tanks for removal
- * Both of the grit tanks were dropped cleaned and inspected
- * Sludge storage tanks 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

March	2014	2013
Wastewater Treated (MG)	563.6	540
Average % Solids Removed	97.6%	97.8%
Biosolids Generated (MG)	1.8 MG	2.2 MG
BOD % Removed	97.3%	97%
Biosolids Applied to Sites (MG)	--	.702
Average % Solids of Biosolids Applied	--	3.83%
Cubic Ft. of Methane Produced (Million cubic feet)	2.8 ft ³	3.1 ft ³
Ammonia Overall Treatment	98.4%	97.4%

Work Performed at the Treatment Plant

- * Replaced the Adjustable Frequency Drive (ADF) for the #1 raw sewage pump in the headworks building
- * Contact tank was cleaned and hose was replaced on the bisulfite injector
- * Replaced the sump pump pit line for the effluent flow meter
- * In the digester building, the high methane limit switch on the #1 boiler was replaced and the leaking tube from the #2 boiler was removed

Work Performed at Lift Stations

- * A cable was ran for sampler at Ross Road
- * Installed a new pump in the #3 position at Prairie Oaks
- * Personnel walked the entire Elliott Ditch sewer investigating issue at Prairie Oaks



MAINTENANCE

Analyses Performed

- * 492 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 546 Total Suspended Solids and 370 Total Volatile Solids tests were completed
- * 182 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 186 Settable solids and 18 respiration rate tests were run on the mixed liquors
- * 83 Plant and River samples were tested for Ammonia
- * 16 Ecoli analysis were performed on river samples
- * 120 Total Solids and 120 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 20 Chlorine/Bisulfite tests were performed
- * 142 industry and river samples were prepared for independent analysis
- * 30 Phosphorous tests conducted
- * 645 tests run for plant phosphorous upgrade
- * 98 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>	
MARCH	2014	2013	*	Trash removed from bio-swales on Veterans Memorial Parkway and Concord Road and from rain gardens at the County Courthouse and on North Street.
Erosion Control Inspections	74	148	*	Personnel received training in regards to Hazardous Communications and Hazardous Communication Safety Data Sheets.
Catch Basin Calls	7	4	*	Street sweepers removed 525 tons of debris from roadways.
Catch Basin Repaired	0	7	*	Bio-swales were mowed.
Ft. of Storm Sewer Jet Clean	966	92	*	Repaired broken air lines on cement truck.
Storm Manholes Raised	0	0	*	Sediment cleaned out of ditch at the City golf course.
Ft. of Storm Sewer Installed	0	0	*	Worked on catch basin repair list and started catch basin preventative maintenance.
Ft. of Storm Sewer Repaired	0	0	*	Personnel attended preconstruction meetings for erosion control measures.



STORMWATER

<u>Work Performed</u>			MONTHLY NUMBERS		
 <p>SEWERS</p>	* Manhole risers made		MARCH	2014	2013
	* Snow plowed in areas 8, 9 and 11, snow plow truck repairs made as needed, and salt boxes and plows removed from trucks		Backup Calls	22	18
	* Assisted the Parks Department at Tippecanoe Park		City Blockages	1	1
	* Brush and small trees cleared from new trail at the pedestrian bridge		Sanitary Calls	11	15
	* Personnel attended Bleach training		Odor Calls	1	2
	* Tunnel under 1830 S 4th Street sealed		Tap Inspections	18	35
	* Preventative maintenance notice letters delivered		Manhole Frames Raised	3	1
	* Sewer investigation at Coleman Cable on Sagamore Parkway		Manholes Repaired	0	0
	* Catch basin areas cleaned		Ft. of Sanitary Sewer Repaired	0	2
			Ft. of Sewer Jet Cleaned	1,563	876
		Ft. of Sewer Jet Cleaned—PM	6,290	39,750	
		Ft. of Sewer Televised	2,224	1,545	

Annual Industrial Pretreatment Inspections

Industrial Plating
Wabash National
TRW, Inc.

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids
Annual Pretreatment Report
Sewer Use Ordinance Modifications and Local Limits Technical Review

Grease Traps Inspected

Interior—29
Exterior—41
Oil/Grit—74

Other Work Performed

- * Phosphorous study continues
- * Creek and ditch sampling performed
- * Sewer Use Ordinance went before the City Council for first reading
- * Quarterly river sampling performed
- * Permitted Industrial meters read for billing purposes
- * Annual Pretreatment Report sent to Environmental Protection Agency (EPA)
- * Sewer Use Ordinance Modifications and Local Limits Technical Review sent to the EPA for approval

Performed Surveillance

Significant Industrial Contributors

Industrial Plating
Caterpillar
Rea Magnet
Fairfield Mfg
Tate & Lyle North
TRW

General Industrial Contributors

None

SURVEILLANCE

