



Water Pollution Control Department

Monthly Informational Report

June 2013
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Daily Plant Capacity—52 MGD
 Collection System Maintained—470.99 miles
 Lift Stations—26
 Storm Pumping Stations—2

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Monthly Reports Submitted to the Indiana Department of Environmental Management Report of Operation, Discharge Monitoring Report and Combined Sewer Overflow Report

OPERATIONS

Work Performed

- * Exterior walls of blower building and partial flumes for the aeration basins were painted.
- * Scraped and primed the west tech mixer frames on the #3 digester.
- * Rim flows of all four of the 90' final clarifiers were acid washed.
- * The #1 and #2 sludge storage tanks were cleaned.

Necessary ground maintenance for the treatment plant was performed.

Daily equipment rotations continue.

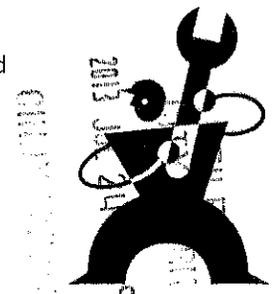
Our record keeping and proper sampling procedures required by our NPDES permit continue.

The Operations Department continues to run a very efficient process well within our NPDES permit limits.

JUNE	2013	2012
Wastewater Treated (MG)	523.9	423.5
Average % Solids Removed	97.7%	97.4%
Biosolids Generated (MG)	1.8 MG	1.3 MG
BOD % Removed	95.5%	96.6%
Biosolids Applied to Sites (MG)	3.9	.596
Average % Solids of Biosolids Applied	3.41	2.67
Cubic Ft. of Methane Produced (Million cubic feet)	2.6 ft ³	2.0 ft ³
Ammonia Overall Treatment	98.9%	99.0%

Work Performed at the Treatment Plant

- * In the digester building: pulled the 1A recirculation pump, pulled the motor on the #2 gas booster, and replaced the tubes on the #2 boiler
- * New grit washers were installed in the fine screen room
- * Pulled the effluent flow meter to be cleaned
- * Two flights and chains were replaced and cleaned for the #5 primary tank



MAINTENANCE

Work Performed at Lift Stations

- * Wet wells were cleaned at Ross Road and Prairie Oaks

Analyses Performed



LABORATORY

- * 441 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
- * 187 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 180 Settable solids and 24 respiration rate tests were run on the mixed liquors
- * 75 Plant and River samples were tested for Ammonia
- * 69 Ecoli analysis were performed on river samples
- * 150 Chlorine/Bisulfite tests were performed
- * 132 Total Solids and 127 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 93 industry and river samples were prepared for independent analysis
- * 71 Waste hauler samples were collected and checked
- * 60 samples were tested as part of phosphorus monitoring project.
- * DMRQA test data was compiled, verified and submitted to the test provider.

MONTHLY NUMBERS			Work Performed	
JUNE	2013	2012	*	
Erosion Control Inspections	238	—	*	Bank stabilization for erosion issues completed at 1221/1229 Creasy Lane
Catch Basin Calls	5	6	*	Street sweepers removed 155 tons of debris from roadways.
Catch Basin Repaired	6	—	*	Cleaned and repaired catch basins throughout the city
Ft. of Storm Sewer Jet Clean	70	—	*	Worked on a Stormwater pollution pamphlet
Storm Manholes Raised	0	0	*	Maintenance done on the Veterans Memorial Parkway bioswale
Ft. of Storm Sewer Installed	70	—	*	BMP manuals worked on
Ft. of Storm Sewer Repaired	0	2	*	Personnel attended invasive plant class and pre-con meetings for erosion control measures
			*	Mowed and trimmed weeds at the LUR ditch and the ditch in front of Eastland Drive
			*	Pot hole, jet and TV lines for Bowen Engineering on Durkee's Run Phase 2



STORMWATER

 SEWERS	MONTHLY NUMBERS		Work Performed
	JUNE	2013	
			* Black top dig-ups
			* Catch basins installed at Columbian Park
			* Sewer repairs performed at 1308 Winthrop Drive and 3859 Morris Drive
			* Manholes raised from work list
			* Cleanout lowered and manhole ring and lid installed at 1627 Tanglewood Drive
			* Catch basin lines repaired at N 10th Street and North Street
			* Pinch valves sealed at Williams Street regulator
			* Sewer at Street Department was cleaned
			* Trucks were cleaned, various catch basins were repaired and preventative maintenance was performed
	Backup Calls	17	10
	City Blockages	2	2
	Sanitary Calls	5	17
	Odor Calls	2	10
	Tap Inspections	67	31
	Manhole Frames Raised	10	0
	Manholes Repaired	1	0
	Ft. of Sanitary Sewer Repaired	6	0
	Ft. of Sewer Jet Cleaned	1,398	12,837
	Ft. of Sewer Jet Cleaned—PM	14,949	—
	Ft. of Sewer Televised	3,069	8,392

Annual Industrial Pretreatment Inspections

Caterpillar

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids

Grease Traps Inspected

Interior—5
 Exterior—15
 Oil/Grit—13

Other Work Performed

- * Meeting with Kelly Construction regarding permitted monitoring frequencies
- * Dye testing performed for water-only accounts
- * Maintenance performed on the Columbian Park rain gauge
- * Field checks performed for the Biosolids Land Application program
- * Local limits testing and phosphorus testing performed on permitted industries
- * Hydrogen sulfide testing performed at the treatment plant
- * Grease Interceptor Detail for the City Guidelines and Specifications was revised
- * Loaded sludge trucks for our land application program

Performed Surveillance

Significant Industrial Contributors

Rea Magnet
 Fairfield Manufacturing
 Lafayette Instrument
 TRW, Inc.

General Industrial Contributors

Transport Service, Inc.
 Coleman Cable
 Lafayette Sani-Wash
 Carry Transit

SURVEILLANCE

