



Water Pollution Control Department Monthly Informational Report

July 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

- * Nine West Tech mixer frames on the anaerobic digesters were painted
- * Dropped and cleaned six of the 70' final clarifiers
- * Performing a phosphorus removal test on two of the primary clarifiers
- * Landscaping around new Stormwater building performed
- * Raw sewage wet wells pumped down to remove grit buildup
- * Digested 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

JULY	2013	2012
Wastewater Treated (MG)	458.4	420.6
Average % Solids Removed	97.7%	98.1%
Biosolids Generated (MG)	1.2 MG	1.6 MG
BOD % Removed	96.5%	96.3%
Biosolids Applied to Sites (MG)	--	--
Average % Solids of Biosolids Applied	--	--
Cubic Ft. of Methane Produced (Million cubic feet)	2.1 ft ³	2.1 ft ³
Ammonia Overall Treatment	99.0%	99.1%

Work Performed at the Treatment Plant

- * Repaired flights and chain in the #5 primary tank
- * Sludge loading station platform repaired
- * Gas valve replaced on the #2 boiler and installed last of the new mixers in 2B in the digester building
- * 240-watt power supply in the boiler PLC panel replaced
- * Removed all old chain from the #1 primary to be replaced
- * Updated the Firmware on all plant PLC's
- * Installed new spray water pumps and lines on the #7, #8, #9 and #10 final tanks
- * Replaced the operator on the #1 storage tank top slip tube
- * Attended MSA meter training

Work Performed at Lift Stations

- * The #1 pump at Pearl River pulled to be repaired
- * Replaced the #1 motor starter and the #1 pump and cleaned the force main and wet well at Masons Ridge



MAINTENANCE

Analyses Performed

- * 493 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 542 Total Suspended Solids and 532 Total Volatile Solids tests were completed
- * 185 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- * 186 Settleable solids and 24 respiration rate tests were run on the mixed liquors
- * 77 Plant and River samples were tested for Ammonia
- * 70 Ecoli analysis were performed on river samples
- * 177 Chlorine/Bisulfite tests were performed
- * 124 Total Solids and 124 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 79 Industry and River samples were prepared for independent analysis
- * 78 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
JULY	2013	2012	* Completed Stormwater Pollution educational pamphlet
Erosion Control Inspections	217	--	* Street sweepers removed 193 tons of debris from roadways.
Catch Basin Calls	6	5	* Performed maintenance on Veterans Memorial Parkway bio-swale
Catch Basin Repaired	8	--	* Mowed drainage ditch on SR 26 from Eastland Drive to I-65
Ft. of Storm Sewer Jet Clean	0	--	* Pot hole, jet and TV lines on Durkee's Run Phase 2 for utility locations
Storm Manholes Raised	0	1	* Attended pre-con meetings for erosion control measures
Ft. of Storm Sewer Installed	0	--	* New hire training
Ft. of Storm Sewer Repaired	0	16	* Performed special events cleaning for Dancing in the Streets, July 4th and Zoo Run
			* Worked on BMP's manuals
			* Performed preventative maintenance in Area 1 and repaired catch basins throughout the city



STORMWATER

<u>Work Performed</u>			MONTHLY NUMBERS		
 <p>SEWERS</p>	* Storm sewer at N 11th and Cincinnati Streets repaired		JULY	2013	2012
	* Replaced catch basin line at 1720 Melbourne Drive		Backup Calls	13	4
	* Fiber optics removed from sewer at N 24th and Cason Streets		City Blockages	0	1
	* Various manholes were repaired		Sanitary Calls	9	14
	* At 2612 Summerfield Drive, sealed old lift station and poured driveway		Odor Calls	2	6
	* Pot hole Main Street and Earl Avenue for utility locations		Tap Inspections	99	21
	* Preventative maintenance on sewers and catch basin areas cleaned		Manhole Frames Raised	18	3
			Manholes Repaired	0	0
			Ft. of Sanitary Sewer Repaired	2	6
			Ft. of Sewer Jet Cleaned	960	2,967
			Ft. of Sewer Jet Cleaned—PM	19,611	--
			Ft. of Sewer Televised	3,334	10,527

Annual Industrial Pretreatment Inspections
Transport Service Co.

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

Grease Traps Inspected
Interior—68
Exterior—90
Oil/Grit—42

Performed Surveillance

Significant Industrial Contributors
Rea Magnet
Fairfield Manufacturing
Wabash National
Tate & Lyle North
Industrial Plating, Inc.
Tate & Lyle South

Other Work Performed

- * Dye testing performed for water-only accounts for billing verification
- * Read industrial meters for the Utility Billing Office
- * Created a Standard Operating Procedure for rain gauges — Preventative Maintenance
- * Sampling performed for River, Creek and Ditch
- * Continued Local Limits technical review

SURVEILLANCE

