



Water Pollution Control Department Monthly Informational Report

October 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

- * The floor and equipment in the fine screen room pressure washed
- * Blower building, chemical building, and electrical building have been winterized
- * One of the aeration basins was taken out of service for repair of a broken air line
- * An out-of-service aeration basin was reseeded and put back in service after repairs were made
- * The four blowers in the blower building were serviced and rotated
- * 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

OCTOBER	2013	2012
Wastewater Treated (MG)	418.6	508.5
Average % Solids Removed	98.1%	97.9%
Biosolids Generated (MG)	1.6 MG	1.6 MG
BOD % Removed	96.4%	96.6%
Biosolids Applied to Sites (MG)	--	--
Average % Solids of Biosolids Applied	--	--
Cubic Ft. of Methane Produced (Million cubic feet)	1.9 ft ³	2.6 ft ³
Ammonia Overall Treatment	99.3%	98.5%

Work Performed at the Treatment Plant

- * Replaced the output card in the Programmable Logic Control and repaired the #1 gas booster in the digester building
- * The #2 sump pump and the floats in the sump pit were replaced and a new fan for the wetwell was installed at the headworks building
- * Replaced the checkball for the #20 Return Activated Sludge pump at the secondary building
- * The gaskets on the Gravity Belt Thickeners in the thickener building were replaced
- * In the Admin building, the pump for the Lab heat was replaced and a tankless water heater was installed; also the air bleed valve in the Chief of Surveillance office was replaced
- * A glycol leak in the tunnel was repaired

Work Performed at Lift Stations

- * Installed a transformer on the rain gauge and replaced the fuse on the level indicators for the #1, #2, and #3 pumps for Pearl River
- * The block heater on the generator at Rome Drive was replaced
- * Replaced the starter on the generator at Wabash Storm



MAINTENANCE

Analyses Performed

- * 498 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 537 Total Suspended Solids and 533 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 Settleable solids and 12 respiration rate tests were run on the mixed liquors
- * 83 Plant and River samples were tested for Ammonia
- * 70 Ecoli analysis were performed on river samples
- * 176 Chlorine/Bisulfite tests were performed
- * 126 Total Solids and 126 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 84 Industry and River samples were prepared for independent analysis
- * 30 Phosphorous tests conducted on Influent, Effluent, and River/Ditch samples
- * 20 Conductivity tests were run in support of Whole Effluent Toxicity (WET) testing
- * 78 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			<u>Work Performed</u>
OCTOBER	2013	2012	
Erosion Control Inspections	258	--	* Street sweepers removed 147 tons of debris from roadways.
Catch Basin Calls	5	19	* Pre-con meetings attended for erosion control measures
Catch Basin Repaired	11	6	* Bio-swale maintenance on Veteran's Memorial Parkway
Ft. of Storm Sewer Jet Clean	0	--	* Detention area at Mary Hill Road and Valley Street cleaned of debris
Storm Manholes Raised	1	0	* Concrete washout installed at the plant turnaround
Ft. of Storm Sewer Installed	12	--	* Worked on drainage issues from 3281 S 9th Street to 3301 S 9th Street
Ft. of Storm Sewer Repaired	0	62	* Catch basin and 13 ' of new storm pipe installed at Roselawn Street and Rainbow Lane
			* Investigated bank erosion concerns at Tate & Lyle North plant
			* Worked on Illicit Discharge Detection and Elimination (IDDE) program



STORMWATER



SEWERS

<u>Work Performed</u>			MONTHLY NUMBERS		
	2013	2012	OCTOBER	2013	2012
* Televised sewer at Loeb Stadium			Backup Calls	10	18
* Black topped sewer repairs			City Blockages	0	0
* Inspected salt boxes and plows for upcoming winter season			Sanitary Calls	9	17
* Sewer repair at Holly Drive and Rochelle Drive			Odor Calls	8	4
* Catch basins repaired			Tap Inspections	31	38
* Fall hot list preventative maintenance completed			Manhole Frames Raised	4	23
* Regulators inspected			Manholes Repaired	0	0
* Performed line verifications for Durkees Run Phase 2 project			Ft. of Sanitary Sewer Repaired	17	2
			Ft. of Sewer Jet Cleaned	6,657	115,011
			Ft. of Sewer Jet Cleaned—PM	36,106	--
			Ft. of Sewer Televised	5,331	5,208

Performed Surveillance

Significant Industrial Contributors
 Subaru of Indiana Automotive
 Nanshan
 Wabash National
 Tate & Lyle North
 Tate & Lyle South

General Industrial Contributors
 none

Other Work Performed

- * Phosphorus testing continues
- * Meeting with American Structurepoint regarding Phosphorus removal
- * Nanshan placed in significant non-compliance for Technical Review Criteria (TRC) for Zinc
- * Investigate report of illegal dumping
- * Research done regarding Earl Avenue project for Wabash National's discharge point
- * WET test was performed with passing results
- * Soil sampling performed on property permitted with our Biosolids Land Application Program
- * Industrial meters read for billing purposes

Annual Industrial Pretreatment Inspections
 Beutler Meats
 Ice Cream Specialties
 Carry Transit

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

Grease Traps Inspected
 Interior—9
 Exterior—20
 Oil/Grit—11

SURVEILLANCE

