



Water Pollution Control Department Monthly Informational Report

April 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

- * Painted sludge piping on all four anaerobic digesters, along with the methane gas lines
- * Hosed algae from the weir boards of six of the final clarifiers
- * The inside walls and troughs of two 90' final clarifiers not in service were pressure washed
- * All lawn equipment was serviced and ground maintenance 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

April	2013	2012
Wastewater Treated (MG)	797.4	496.0
Average % Solids Removed	94.6%	97.4%
Biosolids Generated (MG)	1.9 MG	1.7 MG
BOD % Removed	94.6%	95.6%
Biosolids Applied to Sites (MG)	0	1.01
Average % Solids of Biosolids Applied	0	4.49
Cubic Ft. of Methane Produced (Million cubic feet)	2.7 ft ³	2.3 ft ³
Ammonia Overall Treatment	97.9%	98.8%

Work Performed at the Treatment Plant

- * New mixers on the #1 digester tank were installed
- * Replaced the glycol in the boiler system loop
- * The primary scum pump was replaced
- * Replaced the coupling on the air conditioner pumps for the administration building
- * The coil on the 4160 volt contactor in MCC-11 was replaced
- * Pumped out the pond by Meijer on SR 26

Work Performed at Lift Stations

- * Installed new volute and impellor on the #3 pump at Prairie Oaks
- * At Pearl River, the water hydrant and the grinders were repaired
- * Rome Drive was bypassed while the force main was repaired



MAINTENANCE

Analyses Performed

- * 498 Biochemical Demand (BOD) tests were run which included Plant, River and Industrial samples
- * 555 Total Suspended Solids and 551 Total Volatile Solids tests were completed
- * 175 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
- * 85 Plant and River samples were tested for Ammonia
- * 36 Ecoli analysis were performed on river samples
- * 120 Chlorine/Bisulfite tests were performed
- * 121 Total Solids and 115 Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- * 4 samples of Evonik BFS and 3 samples from the #3 digester were evaluated separately
- * 8 Alkalinity and Volatile Acid tests were performed
- * 54 industry and river samples were prepared for independent analysis
- * 82 Waste hauler samples were collected and checked



LABORATORY

MONTHLY NUMBERS			Work Performed
APRIL	2013	2012	
Erosion Control Inspections	197	--	* Personnel attended a pesticide application training course, a chainsaw safety course and a supervisor training course
Catch Basin Calls	50	6	* Washout of bio-swale at S 18th & Veterans Memorial Parkway repaired
Catch Basin Repaired	7	--	* Removed debris from ditches at Mary Hill and Valley Street
Ft. of Storm Sewer Jet Clean	162	--	* Grass mowing brochures were delivered to local businesses
Storm Manholes Raised	0	14	* Spillways at Heron Bay ponds were worked on
Ft. of Storm Sewer Installed	0	--	* Worked on rain gardens at the courthouse
Ft. of Storm Sewer Repaired	0	0	* Street sweepers removed 160 tons of debris from roadways.
			* Cleaned and repaired catch basins throughout the city



STORMWATER

	MONTHLY NUMBERS		
	APRIL	2013	2012
<p>SEWERS</p> <p><u>Work Performed</u></p> <ul style="list-style-type: none"> * Cleanout repaired at #7 Fire Station * Personnel attended CDL training, blood-borne pathogen training and bleach training * Storm sewer installed on Hart Street * Plant outfall pipe was repaired * Replaced manhole at SR 26 E and Creasy Lane * Cleaned and removed salt boxes and plows from trucks * Stock piled 100 ton of #8 fill 	Backup Calls	52	17
	City Blockages	13	1
	Sanitary Calls	101	13
	Odor Calls	3	5
	Tap Inspections	30	49
	Manhole Frames Raised	0	10
	Manholes Repaired	1	0
	Ft. of Sanitary Sewer Repaired	4	5
	Ft. of Sewer Jet Cleaned	450	3,757
	Ft. of Sewer Jet Cleaned—PM	29,349	--
	Ft. of Sewer Televised	573	3,924

Annual Industrial Pretreatment Inspections

Tate & Lyle North
SIA

Submitted Reports to Indiana Department of Environmental Management

Land Application of Biosolids
Significant Industrial User Quarterly Noncompliance Report

Grease Traps Inspected

Interior—35
Exterior—51
Oil/Grit—36

Other Work Performed

- * Completed and passed the WET (Whole Effluent Toxicity) Test
- * Continued Local Limits testing on permitted industries
- * Soil sampling continued on ground permitted with our Biosolids Land Application program
- * Monthly river sampling was conducted
- * Apollos Waters Significant Industrial User Permit was closed
- * Personnel attended blood-borne pathogen training and bleach training
- * Investigated illicit discharge

Performed Surveillance

Significant Industrial Contributors

Industrial Plating
Tate & Lyle North
Kelly Construction
Caterpillar
Ice Cream Specialties
Wabash National
Tate & Lyle South

General Industrial Contributors

Beutler Meats

SURVEILLANCE

