



Water Pollution Control Department Monthly Informational Report

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CINDY MURRAY

The Operations Department submitted the following monthly reports to the Indiana Department of Environmental Management: Report of Operation, Discharge Monitoring Report and Combined Sewer Overflow Report.

Daily equipment rotations continue. Our record keeping and proper sampling procedures required by our NPDES permit continue. The following items were also completed by the Operations Department in June:

- We dropped and cleaned all five of our primary clarifiers
- We continue to maintain the outside grounds maintenance
- We did a complete cleaning in the blower building on both levels
- We have been preparing our other building floors for paint
- We have been loading sludge trucks for our land application program

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

Operations

June	2011	2010
Wastewater Treated (MG)	577.8	678.2
Average % Solids Removed	96.8%	97.8%
Biosolids Generated (MG)	1.8	2.1
Bod's % Removed	95.1%	95.6%
Biosolids Applied to Sites (MG)	2.33	—
Average % Solids of Biosolids Applied	7.23%	—
Cubic Ft. of Methane Produced (Million cubic feet)	2.3 ft ³	3.0 ft ³
Ammonia Overall Treatment	98.4%	99%

Surveillance was performed at the following Significant Industrial Contributors: Fairfield Manufacturing, Rea Magnet Wire Co., Cargill, and Lafayette Instrument Co. We also completed an annual industrial inspection at Tate & Lyle (South Plant).

The surveillance area inspected 52 interior grease traps, 69 exterior grease traps and 29 oil and grit separators.

The following reports were submitted to the Indiana Department of Environmental Management: Land Application of Biosolids Report for May.

Dye testing was performed in the S 10th Street area for the IDDE program.

Apollo's Water Significant Industrial User permit was approved by the Board of Public Works and Safety.

An environmental audit of the City was done by Cargill, Inc.

Industrial dye testing was performed by Surveillance personnel.

Crop verification of land in the Biosolids Land Application permit was performed.

MS4 Audit by the Tippecanoe County Partners for Water Quality representative was performed.

Surveillance

Daily Plant Capacity—52 MGD

Storm Pumping Stations—2

Collection System Maintained—454 miles

Lift Stations—26

Laboratory



The following is a list of analyses performed in June:

- 334 Biochemical Demand (BOD) tests were run this month, which included Plant, River and Industrial samples
- 1049 Total Suspended Solids and Total Volatile Solids tests were also completed this month
- 186 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- 180 Settable solids and 72 respiration rate tests were run on the mixed liquor
- 72 Plant and River samples were tested for Ammonia
- 39 Ecoli analysis were performed
- 120 Chlorine/Bisulfite tests were performed
- 240 Total Solids and Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- 6 Alkalinity and 6 Volatile Acid tests were performed
- 49 samples were prepared for independent analysis
- 85 Waste hauler samples were collected and checked

The following is a list of items performed for June:

- Performed blacktop dig ups
- Repaired sewer at 614 S 16th Street
- Televised storm line on S 10th Street
- Cleaned catch basin areas
- Repaired sewer at Earl Avenue and Main Street
- Connected storm sewer at Great Skates on Earl Avenue
- Vac'd media from gas scrubber
- Started cleaning ditches



Sewers

MONTHLY NUMBERS

<u>JUNE</u>	<u>2011</u>	<u>2010</u>
Backup Calls	26	104
City Blockages	0	1
Sanitary Calls	4	17
Odor Calls	0	2
Catch Basin Calls	32	28
Tap Inspections	31	9
Sewer Locates	719	751
Manhole Frames Raised	3	12
Manholes Repaired	2	0
Ft. of Sanitary Sewer Repaired	34	5
Ft. of Storm Sewer Repaired	20	0
Ft. of Sewer Jetted	3,142	1,091
Ft. of Sewer Televised	9,776	1,250

The following is a list of items performed for June:

- Plant and lift station preventative maintenance.
- Cleaned the check valves on the polymer pumps in the thickener building
- Replaced the check valve on the #2 pump at Waterstone lift station
- Pulled the #1 pump at Rome Drive lift station
- Replaced the drive chains on the primary tanks
- Pulled 2B and 1B pumps in the digester building
- Replaced the alternator and time delay relay at Hickory Hills lift station
- Replaced the sump pump in the blower building
- Removed all the old fence from Pearl River lift station
- Installed the #4 pump at Prairie Oaks lift station
- Replaced the pin in the #7 final tank drain valve
- Pulled the #2 pump at Golf Course lift station

Maintenance

