

Water Pollution Control Department
Monthly Informational Report
 September 2011 FILED
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2012 OCT 26 P 2:40

Maintenance
 CINDY MURRAY

The following is a list of items performed for September:

The following is a list of analyses performed in September:

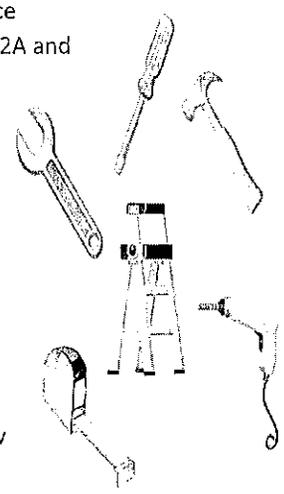
- 419 Biochemical Demand (BOD) tests were run this month, which included 335 Plant, River and 84 Industrial samples
- 451 Total Suspended Solids and 445 Total Volatile Solids tests were completed on Plant/River samples
- 160 pH tests were conducted on the Plant Influent and Effluent, and digester, raw and transported sludge samples
- 175 Settable solids and 68 respiration rate tests were conducted on the mixed liquor
- 81 Ammonia tests were conducted on Plant/River samples
- 75 Ecoli analyses were performed
- 148 Chlorine/Bisulfite tests were performed
- 100 Total Solids and 100 Volatile Solids tests were conducted on the Raw, Digester, Transported and Storage Tank sludges
- No Alkalinity or Volatile Acid tests were performed
- 21 samples were prepared for independent analyses
- 111 Waste hauler samples were collected and checked

Laboratory



Treatment Plant

- Plant preventative maintenance
- In the digester building pulled 2A and 2B recirculation pumps to remove debris, cleaned the #1 boiler and replaced seals in 2B recirculation pump
- Replaced the motor on the tunnel exhaust fan
- Started cleaning the #2 aeration tank
- Cleaned the #4 digester and removed all the lids and gas relief assembly
- Installed a new light in the new conference room



Lift Station

- Lift station preventative maintenance
- Installed the rebuilt #1 pump at Pearl River
- Pulled the #2 pump to remove debris from wear ring at 550 and Rome Drive
- Replaced the #2 pump at Golf Course
- Replaced the multi-trode at Cracker Barrel

September	2012	2011
Wastewater Treated (MG)	465.5	458.5
Average % Solids Removed	98.1%	96%
Biosolids Generated (MG)	2.1 MG	1.2 MG
Bod's % Removed	97.9%	95.8%
Biosolids Applied to Sites (MG)	0	0
Average % Solids of Biosolids Applied	—	—
Cubic Ft. of Methane Produced (Million cubic feet)	2.2 ft ³	1.7 ft ³
Ammonia Overall Treatment	97.8%	99.2%

Operations

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 September:

- Assisted in dropping and cleaning our #1 aeration basin.
- Painted the airlines and valves to our coarse air diffusers on the primary clarifiers.
- Washed outside windows of the Administration building.
- We continue to do the necessary ground maintenance such as mowing, weed whipping, weed spraying, etc.
- We have been dewatering our digested sludge storage tanks to allow for our biosolids land application program.

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

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.

The following is a list of items performed for September:

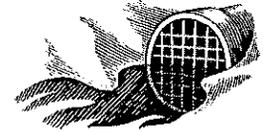
- Cleaned catch basin areas
- Performed smoke testing
- Cleaned and televised N 27th Street
- Repaired the air release valve on Ross Road force main
- Performed sewer preventative maintenance which included raising manholes
- Repaired three separate sewer issues and the #4 mixer leak



MONTHLY NUMBERS

<u>SEPTEMBER</u>	<u>2012</u>	<u>2011</u>
Backup Calls	13	6
City Blockages	0	1
Sanitary Calls	35	12
Odor Calls	6	2
Tap Inspections	42	34
Sewer Locates	817	609
Manhole Frames Raised	27	2
Manholes Repaired	0	0
Ft. of Sanitary Sewer Repaired	6	0
Ft. of Sewer Jetted	94,691	21,052
Ft. of Sewer Televised	2,563	17,482

Stormwater



The following is a list of items performed for September:

- Street sweepers removed 237 tons of debris from city roads
- Assisted sewers with smoke testing
- Televised and jet cleaned Earl Avenue storm sewers
- Raised storm manholes and lowered three manholes in sidewalk on McCarty Lane
- Attended DOT training
- Vac cleaned catch basins and performed grate cleaning
- Worked on spill kits
- Patched storm line at 3605 E Thornhill Circle
- Checked cross connections
- Participated in Wabash River Sampling Blitz

MONTHLY NUMBERS

<u>SEPTEMBER</u>	<u>2012</u>	<u>2011</u>
Catch Basin Calls	6	4
Ft. of Storm Sewer Repaired	0	0
Storm Manholes Raised	1	23



Surveillance was performed at the following Significant Industrial Contributors: Lafayette Instrument, Industrial Plating, Subaru of Indiana Automotive and Tate & Lyle South. Surveillance was performed at the following General Industrial Contributors: Coleman Cable. We also completed an annual industrial inspection at Fairfield Manufacturing and Beutler Meats.

The surveillance area inspected 38 interior grease traps, 49 exterior grease traps and 16 oil and grit separators.

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

- A representative from the department attended Substance Abuse Training.
- Creek, ditch and river sampling was completed.
- Monitoring was conducted at the 28th Street overflow.
- Permitted ground in our Biosolids Land Application Program were soil sampled.
- Industrial user surveys were sent to non-permitted industries.
- An Industrial permitting webcast was performed.
- Department personnel participated in the Wabash River Sampling Blitz.
- In-house training on soil sampling procedures was conducted.
- Research continues on oily discharge coming into the wastewater treatment plant.
- Monitoring of hydrogen sulfide continues at the headworks at the wastewater treatment plant.
- Research was conducted of local limits of commercial and residential monitoring sites.

Surveillance

Daily Plant Capacity--52 MGD
 ing Stations--2

Storm Pump-