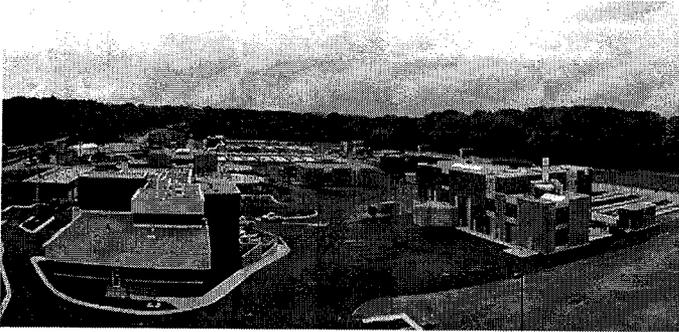


# Water Pollution Control Department Monthly Informational Report July 2012



The following is a list of analyses performed in July:

- 496 Biochemical Oxygen Demand (BOD) tests were run this month, which included Plant, River and Industrial samples
- 668 Total Suspended Solids and Total Volatile Solids tests were also completed this month
- 176 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- 159 Settable solids and 75 respiration rate tests were run on the mixed liquor
- 75 Plant and River samples were tested for Ammonia
- 79 Ecoli analysis were performed
- 93 Chlorine/Bisulfite tests were performed
- 116 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
- 74 samples were prepared for independent analysis
- 46 Waste hauler samples were collected and checked
- DMRQA testing completed and submitted to IDEM

## Laboratory



## Maintenance

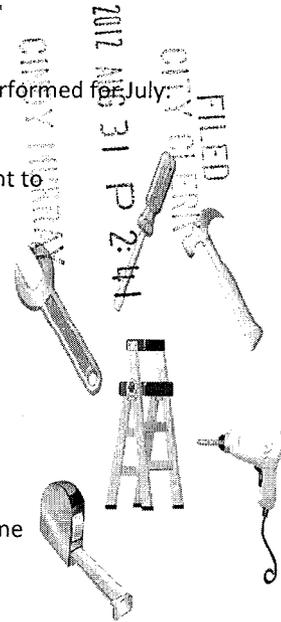
The following is a list of items performed for July

### Treatment Plant

- Worked with Sewer Department to find and repair the leak on the 4C digester mixer
- Repaired primary tanks
- Repaired polymer pumps in the thickener building
- Repaired the #2 hypo tank in the bleach building
- Replaced the chain on the fine screen dumpster vaylor in the fine screen room
- Performed plant preventative maintenance

### Lift Stations

- Replaced the multi-rod and pulled the #1 pump at Cracker Barrel
- Cleaned the wet wells and removed oil from the stator housing on the #1 pump at Ross Road
- Performed lift station preventative maintenance



July	2012	2011
Wastewater Treated (MG)	420.6	502.9
Average % Solids Removed	98.1%	98.2%
Biosolids Generated (MG)	1.6 MG	1.5 MG
BOD's % Removed	96.3%	96.9%
Biosolids Applied to Sites (MG)	—	—
Average % Solids of Biosolids Applied	—	—
Cubic Ft. of Methane Produced (Million cubic feet)	2.1 ft <sup>3</sup>	2.3 ft <sup>3</sup>
Ammonia Overall Treatment	99.1%	98.7%

## 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 July:

- Finished painting the gravity belt and the thickener building floor with the two-part epoxy paint
- Dropped all five of the primary clarifiers for cleaning and inspecting
- Dropped the #5 aeration basin for cleaning and repair
- Put the repaired #4 digester back online and pumped empty the #1 digester for repair
- Continued to dewater our digested sludge storage tanks to allow for our biosolids land application program
- Continued to do the necessary grounds maintenance on a daily basis

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 July:

- Preventative maintenance
- Checked & chalked overflows on S 28th Street
- Performed smoke testing
- Repaired #4 digester tank
- Replaced pothole utilities on South Street sewer
- Cleaned silt trap at Vinton Woods pond
- Repaired sewer at Kossuth Street and Lingle Avenue
- Cleaned Ross Road lift station wet wells
- Worked on smoke test repairs



**Sewers**

**MONTHLY NUMBERS**

<u>JULY</u>	<u>2012</u>	<u>2011</u>
Backup Calls	4	19
City Blockages	1	2
Sanitary Calls	14	2
Odor Calls	6	4
Tap Inspections	21	31
Sewer Locates	930	669
Manhole Frames Raised	3	2
Manholes Repaired	0	0
Ft. of Sanitary Sewer Repaired	6	0
Ft. of Sewer Jetted	2,967	2,197
Ft. of Sewer Televised	10,527	6,989

**Stormwater**



The following list of items performed for July:

- Replaced broken storm pipe, formed & poured concrete driveway & sidewalk and landscaped at 2704 South Street
- Storm pipe repair at S 21st Street & Virginia Street
- Catch basin repair at 803 Havelka Drive and at Scholer Drive & Old 231
- Landscape dig-up at 3813 Rome Drive
- Cleaned lines and structures to verify tie-in locations at N 12th Street & Salem Street and at S 16th Street & Center Street
- Worked with Surveillance dye testing and tving for IDDE
- Assisted with smoke testing
- Performed bio-swailes inspections
- Cleaned catch basin grates in various locations
- Vac cleaned catch basins in Area #1
- Attended training for use of backhoe
- Raised manholes
- Cleaned debris out of Elliott Ditch behind 3819 Old Farm Rd
- Recalibrated BW gas meters
- Street sweepers ran through routes and random call-ins
- Took pictures of rain barrels for WREC

**MONTHLY NUMBERS**

<u>JULY</u>	<u>2012</u>	<u>2011</u>
Catch Basin Calls	5	7
Ft. of Storm Sewer Repaired	16	0
Storm Manholes Raised	1	0

Surveillance was performed at the following Significant Industrial Contributors: Apollos Water, Cargill, Tate & Lyle North, Ice Cream Specialties, and Wabash National. Surveillance was performed at the following General Industrial Contributor: Transport Service. We completed an annual inspection at Transport Service Company.

The surveillance area inspected 19 interior grease traps, 39 exterior grease traps and 5 oil and grit separators.

The following reports were submitted to the Indiana Department of Environmental Management: Land Application of Biosolids Report for June and Quarterly Industrial Violations.

- Dye testing continues for IDDE
- Monthly river sampling was completed
- Surveillance personnel were cross-trained in the laboratory and assisted the Sewer department with smoke testing
- Started Total Dissolved Solids study
- Ongoing investigation into the source of oily residue entering the wastewater treatment plant
- IDDE follow-up with dye testing and televising sewers in the following areas: Coldbrook/Brady Court, 11th/12th Street (Norma Jean addition), Canterbury

**Surveillance**

Daily Plant Capacity—52 MGD	Storm Pumping Stations—2
Collection System Maintained—454 miles	Lift Stations—26