

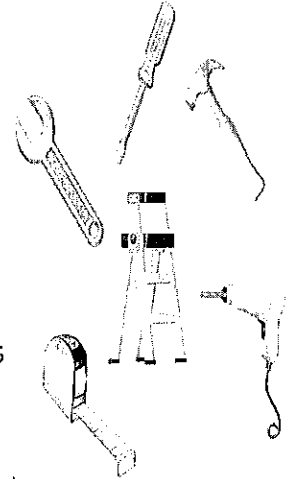
Water Pollution Control Department Monthly Informational Report August 2012

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Maintenance

The following is a list of items performed for August:



Treatment Plant

- Plant preventative maintenance
- Raised the pods in C pass of #5 aeration tank
- Put #4 digester back in service
- Cleaned #1 and #5 aeration tank
- Installed an electrical receptacle in the reference room for a copier
- Removed the #1 digester from service
- Assisted Beacon Academy with cleanup on the Wildcat Creek
- Repaired the drain for the headworks

Lift Station

- Lift station preventative maintenance
- Installed transducer in Prairie Oaks wet well
- Replaced the Omni-site at Golf Course

The following is a list of analyses performed in August:

Laboratory



- 434 Biochemical Demand (BOD) tests were run this month, which included Plant, River and Industrial samples
- 955 Total Suspended Solids and Total Volatile Solids tests were also completed this month
- 1804 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- 175 Settable solids and 68 respiration rate tests were run on the mixed liquor
- 82 Plant and River samples were tested for Ammonia
- 62 Ecoli analysis were performed
- 118 Chlorine/Bisulfite tests were performed
- 225 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
- 32 samples were prepared for independent analysis
- 72 Waste hauler samples were collected and checked

August	2012	2011
Wastewater Treated (MG)	467	476
Average % Solids Removed	98%	97.8%
Biosolids Generated (MG)	2.1 MG	1.4 MG
Bod's % Removed	95.9%	95.7%
Biosolids Applied to Sites (MG)	0	0
Average % Solids of Biosolids Applied	—	—
Cubic Ft. of Methane Produced (Million cubic feet)	2.6 ft ³	2.4 ft ³
Ammonia Overall Treatment	99%	98.8%

Operations

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 August:

- The #4 digester is back online after having it cleaned and sealed and the #1 digester is in the process of having the same performed.
- We assisted in dropping and cleaning the #1 and #5 aeration basins and acid washed the fine bubble diffusers.
- We have been pressure washing the outside concrete walls and walkways at our headworks 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 prepare for our biosolids land application program
- We painted sludge and gas lines on the #3 and the #4 digesters.

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

The following is a list of items performed for August:

- Smoke testing performed
- Overflow study for S 28th Street
- Catch basin repairs
- Black top sewer repairs
- Clean catch basin areas
- Clean and drag sewer on N 27th Street
- Locate laterals on North Street
- Performed sewer preventative maintenance



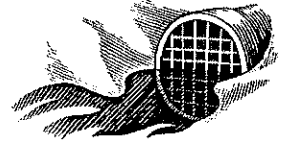
MONTHLY NUMBERS

<u>AUGUST</u>	<u>2012</u>	<u>2011</u>
Backup Calls	21	15
City Blockages	1	1
Sanitary Calls	8	13
Odor Calls	1	15
Tap Inspections	30	31
Sewer Locates	914	742
Manhole Frames Raised	1	15
Manholes Repaired	0	2
Ft. of Sanitary Sewer Repaired	5	36
Ft. of Sewer Jetted	23,017	13,679
Ft. of Sewer Televised	13,537	12,969

Stormwater

The following list of items performed for August:

- Street sweepers ran through daily routes
- Repaired outfall pipe on Brady Court
- Televised storm sewers on Earl Avenue
- Raised storm manholes
- Attended road safety training class
- Catch basin grate cleaning
- Repaired culvert pipe at Vinton Woods pond
- Familiarized storm crew with BMP locations
- CESSWI review and exam
- Performed dye tests for IDDE
- Bio-swale inspections performed
- Repaired 48" storm sewer on Concord Road
- Assisted sewers with smoke testing



MONTHLY NUMBERS

<u>AUGUST</u>	<u>2012</u>	<u>2011</u>
Catch Basin Calls	11	16
Ft. of Storm Sewer Repaired	6	20
Storm Manholes Raised	19	15

Surveillance was performed at the following Significant Industrial Contributors: Rea Magnet Wire, Fairfield Manufacturing, Caterpillar and TRW. Surveillance was performed at the following General Industrial Contributors: Lafayette Sani Wash and Carry Transit. We also completed an annual industrial inspection at Coleman Cable.

The surveillance area inspected 50 interior grease traps, 49 exterior grease traps and 55 oil and grit separators.

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

Dye testing continues for IDDE and river sampling was completed.

Surveillance personnel attended MS4/Rule 6 seminar and a pretreatment seminar regarding EPA Audits and Legal Authority.

We completed Total Dissolved Solids (TDS) study.

We continued investigation into oily residue coming into wastewater treatment plant.

Fact sheets for permitted industrial contributors were updated.

Personnel participated in the Wildcat Creek Clean-up project.

Hydrogen sulfide study continues at the wastewater treatment plant.

Land Application soil sampling chain of custodies ready for Fall sampling.

Surveillance

Daily Plant Capacity—52 MGD

Storm Pumping Stations—2

Collection System Maintained—454 miles

Lift Stations—26