

Water Pollution Control Department Monthly Informational Report

November 2012

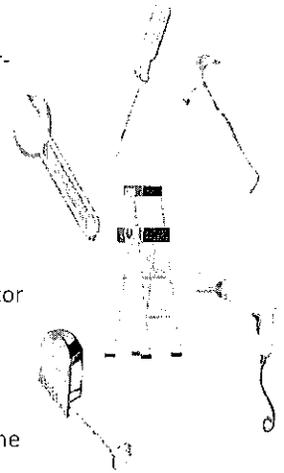


Maintenance

The following is a list of items performed for November:

Treatment Plant

- Plant and lift station preventative maintenance
- In the digester building, pulled 2A and 2B recirculation pumps to remove debris, replaced motor on 3B mixer and replaced the limit switch on the #1 and #3 boiler
- Replaced elements on the #1 fine screen in the headworks
- Replaced the impellers on the #9 and #10 final tanks pumps
- Finished the scum trough seal replacements
- Replaced the suction valve on the #2 grit pump
- Winterized the stand pipes on the storage tanks and bleach building
- Took #2 digester apart for painting



Lift Stations

- Cleaned all the scrap metal out of Romney Road
- Replaced the water pump on the generator at 550
- Pulled the #3 pump at McCarty Lane and 550
- Replaced the hoses on the #1 CSO screen at Pearl River
- Blew out the bubbler line at Waterstone

The following is a list of analyses performed in November:

Laboratory



- 402 Biochemical Demand (BOD) tests were run this month, which included Plant, River and Industrial samples
- 468 Total Suspended Solids and 459 Total Volatile Solids tests were conducted on Plant/River/Ditch samples
- 197 pH tests were run including the Influent and Effluent plant flow, digester samples, raw sludge and transported sludge
- 180 Settable solids and 21 respiration rate tests were run on the mixed liquor
- 88 Plant and River samples were tested for Ammonia
- 11 Ecoli analysis were performed for IDDE
- 123 Total Solids and Volatile Solids tests were run on the Raw Sludge, Digester samples, Transported Sludge and Storage Tank samples
- 13 industrial and 8 ditch samples were prepared for independent analysis
- 69 Waste hauler samples were collected and checked

November	2012	2011
Wastewater Treated (MG)	396.2	739.5
Average % Solids Removed	98.5%	96.5%
Biosolids Generated (MG)	1.9 MG	1.8 MG
BOD's % Removed	97.8%	95.6%
Biosolids Applied to Sites (MG)	3.0 MG	0
Average % Solids of Biosolids Applied	4.14%	0
Cubic Ft. of Methane Produced (Million cubic feet)	2.2 ft ³	2.6 ft ³
Ammonia Overall Treatment	99.6%	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 November:

- The disinfection facility was shut down and the entire system was winterized.
- The #2 digester was taken offline for cleaning and repair.
- Algae was hosed from all of our clarifiers.
- The #1 digester was put back in service after maintenance and repair.
- The fine screenings and grit dumpster areas were cleaned and disinfected.
- We have been dewatering our digested sludge storage tanks in to allow for our biosolids land application program and have assisted in loading the trucks.

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 November:

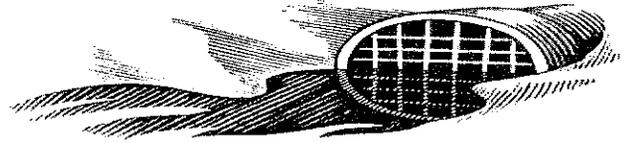
- Fall hot list flushing and root cutting
- Hand out preventative maintenance notices
- Checked snow plows and salt boxes
- Vinton Woods pond silt trap cleaned
- Sewer repair at 1215 King Street
- Replaced lateral at 1810 N 27th Street
- Opened drains at Columbian Park Zoo
- Installed 12" storm pipe at 3rd Street and Brown, North and Cincinnati Streets
- Holidays manhole checks and preventative maintenance



Sewers

MONTHLY NUMBERS

<u>NOVEMBER</u>	<u>2012</u>	<u>2011</u>
Backup Calls	21	23
City Blockages	1	4
Sanitary Calls	10	6
Odor Calls	13	2
Tap Inspections	35	56
Sewer Locates	635	645
Manhole Frames Raised	0	0
Manholes Repaired	0	0
Ft. of Sanitary Sewer Repaired	22	0
Ft. of Sewer Jetted	120,151	8,376
Ft. of Sewer Televised	2,676	5,667



Stormwater

The following list of items performed for November:

- Assisted Street Dept. with leaf pick-up
- Catch basin and sidewalk repair at 2001 Crowfoot Drive
- Blacktopped existing dig-ups
- Milling list—Jonathan Way, Pippen Lane, Pipers Glen Drive
- Distributed and educated departments in WPCD on spill kits
- Stock piled #8 stone
- Performed 99 erosion control inspections
- Worked on specs for new jet truck and sweeper trucks

MONTHLY NUMBERS

<u>NOVEMBER</u>	<u>2012</u>	<u>2011</u>
Catch Basin Calls	3	0
Ft. of Storm Sewer Repaired	0	0
Storm Manholes Raised	1	0



Surveillance was performed at the following Significant Industrial Contributors: Ice Cream Specialties, Cargill and Caterpillar. Surveillance was performed at the following General Industrial Contributors: Lafayette Sani-Wash and Carry Transit. We also completed an annual industrial inspection at Lafayette Sani-Wash.

The surveillance area inspected 28 interior grease traps, 37 exterior grease traps and 9 oil and grit separators.

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

- Industrial User Permit for Kelly Construction approved by the Board of Public Works and Safety.
- Local limits study continues with permitted industries.
- Soil sampling of permitted ground in our Biosolids Land Application Program was performed.
- Relocated rain gauge from McAllister Center to Facilities building.
- Hydrogen sulfide testing completed on influent at the Wastewater Treatment Plant.
- Creek and ditch and river sampling performed.
- Additional industrial local limits testing performed.
- New Industrial User Permits worked on.

Surveillance

Daily Plant Capacity—52 MGD

Storm Pumping Stations—2

Collection System Maintained—454 miles

Lift Stations—26