

Storm Water Sampling/Monitoring Program

To improve the quality of water that enters the Rock River the City of Rockford has a sampling program in place to monitor storm water and to determine areas where added storm water protection efforts are needed.

Areas around the City have been selected and samples are taken, tested and reviewed for pollutant loads. The sampling locations are from creeks as well as within the storm sewer pipes. These test result can be used to determine if contaminants have been dumped into the storm sewer, which does not get treated and discharges directly into the river.



"In-Pipe" Sampler



"In Creek" Sampling

Types of pollutants tested for depends on the type of sample. They include:

pH
Temperature
Cyanide
Total Suspended Solids
Total Dissolved Solids
Biochemical Oxygen Demand
Fecal Coliform
Fecal Streptococcus
Total Phenol
Residual Chlorine
Volatile Organic Chemicals

Chemical Oxygen Demand
Fats, Oil, Grease
Ammonia
Nitrate+Nitrite
Total Kjeldahl Nitrogen
Total Nitrogen
Total Phosphorous
Copper
Zinc
Lead
Hardness

In addition, two monitoring locations have been established for removal of floatable materials in discharges to or from the MS4. These locations are monitors at least twice yearly and cleaned as needed.



All data collected is summarized in the City of Rockford's Annual Report submitted to the Illinois Environmental Protection Agency.