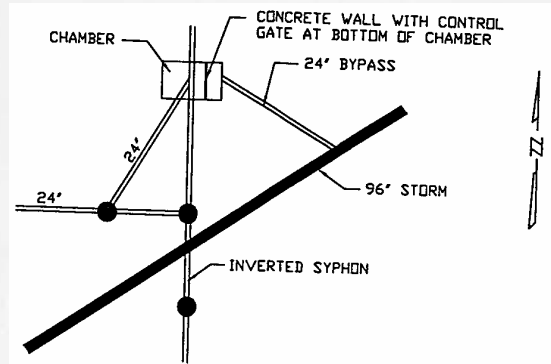


Hinsdale NPDES Permitting Process

Approximately 75 percent of the sanitary sewer system in the Village of Hinsdale is classified as a combined sewer system. Within that system, there are 4 combined sewer overflows (CSOs) that discharge to Flagg Creek, each requiring a National Pollutant Discharge Elimination System (NPDES) Permit.



A number of conditions must be met to obtain a NPDES Permit:

- Documentation that no dry-weather overflows exist
- Documentation that 2.5 times dry-weather flow, including first flush of storm flows, are conveyed to the wastewater treatment plant
- Documentation that none of the CSO's discharge to sensitive areas
- Development of a Pollution Prevention Plan focusing on source control activities
- Development and implementation of a CSO O&M Plan
- Demonstration that the CSO's do not cause use impairment of the receiving waters
- Certification and modification of the Sewer Use Ordinance to contain 5 specific provisions to control inflow sources to the combined sewer system
- Monthly monitoring reports

The Village retained RJN Group, Inc. to prepare the NPDES Permit Application and the various documentation and plans required by the permit conditions.

Included was a first flush analysis performed on the combined system to evaluate the capacity required to transport peak dry-weather flow. Flagg Creek flows into a



96-inch storm sewer on the west limits of Hinsdale and flows out of the 96-inch storm sewer at the east limit of the Village. All of the CSO's discharge to Flagg Creek in the 96-inch sewer. The first flush analysis included wastewater sampling and testing at each CSO immediately following rainfall events, rainfall data recording, flow monitoring conducted at six locations, and hydraulic analysis.