



Water Conveyance

Client

Metropolitan Sewer District of
Greater Cincinnati

Location

Cincinnati, OH, USA

Capacity Assurance Program Plan Project

Project Highlights

- Providing adequate capacity in all separate sewers
- Meeting community and regulatory expectations for service under wet weather conditions
- Developing protocols and guidelines for to efficiently and consistently evaluate the sewer capacity needs and alternatives
- Facilitating project comparison and prioritization

Project Description

The Capacity Assurance Program Plan (CAPP) Project will develop plans to provide adequate capacity in all separate sewers throughout the Metropolitan Sewer District of Greater Cincinnati. These plans will meet the requirements set forth in the Interim and Global Consent Decree between the District and the USEPA regarding assurance of capacity to control Sanitary Sewer Overflows (SSOs). CH2M HILL is the lead consultant coordinating six inter-related subprojects required to complete the CAPP. A year into the project, CH2M HILL's coordination roll was expanded to include all subprojects in the District's wet weather. The coordination effort involved getting staff from several consulting firms and from the District to follow consistent protocols to analyze and document projects necessary to meet community and regulatory expectations for sewerage service under wet weather conditions.

Each consultant initially applied previously developed sewer models to identify sewer and treatment capacity improvement needs. The consultants sized improvements and estimated costs to provide capacity for each of four pre-defined storm conditions. CH2M HILL is responsible for developing protocols and guidelines that allow the multiple consultants and the MSDGC to efficiently and consistently evaluate the capacity needs and alternatives throughout the various watersheds in a manner that facilitates comparison and prioritization between watersheds and between the combined sewer long term control plan. CH2M HILL is also doing the analysis and planning for three of the basins, and coordinating preparation of the 22 volume documentation of the multi-project Wet Weather Program.