

SIMILAR COMPLETED PROJECTS ATTACHMENT 3

MSDGC Mill Creek Chemical Disinfection Improvements

ASE teamed with Brown & Caldwell to provide detailed engineering and PLC and SCADA systems configuration services for the Metropolitan Sewer District of Greater Cincinnati (MSDGC) Mill Creek WWTP Chemical Disinfection Project. The project included the complete upgrade of the Disinfection Systems at MSDGC's Mill Creek WWTP, including all new electrical, instrumentation and control systems.



Services by ASE

ASE provided the detailed electrical, instrumentation and controls design for the project. The project utilized four new Rockwell ControlLogix PLCs, one new CompactLogix PLC and GE Proficy/iFIX SCADA systems. Ethernet communications were utilized for the control system network and ControlNet was used for the PLC remote I/O racks.

During the construction phase, *ASE provided PLC and SCADA Systems configuration for several of the older PLCs that were replaced as part of the project.* ASE helped to lead the systems commissioning, checkout and startup services. *Construction Administration activities related to the electrical and I&C upgrades were provided by ASE.*



A new electrical room was constructed in the Disinfection Storage Building for the new Motor Control Center (MCC), the new PLC panel, and associated electrical equipment. A new PLC panel was installed along with all new instrumentation and field controls. All electrical and I&C components in the building were replaced.

The construction was completed in 2010. ASE has continued to team with Brown & Caldwell on many other projects at MSDGC.

Brown & Caldwell provided a letter of reference for ASE, based on the success of over 18 projects for which ASE has teamed with them over the last 7 years. The reference letter is included in Attachment 1 for the Statement of Qualifications.

