

SIMILAR COMPLETED PROJECTS ATTACHMENT 3

MSDGC Mill Creek WWTP Secondary Upgrade/Rehabilitation

ASE teamed with Jacobs Engineering to provide SCADA Systems Programming and Integration services for the Metropolitan Sewer District of Greater Cincinnati (MSDGC) Mill Creek WWTP Secondary Upgrade/Rehabilitation Project. The project included the complete upgrade of the Secondary Treatment process, including all new electrical and instrumentation systems.



The capital cost for the project was approximately \$50M, which demonstrates the depth of services that ASE can provide for large-scale capital projects.

Services by ASE

ASE provided the SCADA Systems Programming and Integration for the project. The project utilized Rockwell ControlLogix PLCs and GE Proficy/iFIX SCADA systems. During the construction phase, *ASE provided SCADA system commissioning, checkout and startup services.* ASE also provided construction administration assistance and coordination with contractors and equipment vendors to ensure that the systems complied with MSDGC's SCADA Programming Standards.



The greatest challenge on this project was the fact that ASE was not involved during the detailed design phase. There were several issues that ASE discovered, once we were brought onto the team to do the programming, which could have been avoided had we been included during the design phase. *ASE was able to assist MSDGC and Jacobs by working with the contractor to resolve the issues, so that the final solution complied with MSDGC's SCADA Standards.*

All of the systems have been successfully checked out and the construction is now substantially complete. This was the first major project that ASE performed for Jacobs and they were pleased with the services ASE provided.

Jacobs provided a letter of reference, specifically listing the Secondary Project, along with other key projects for which ASE has teamed with them. The reference letter is included in the Attachment 1 for the Statement of Qualifications.

