

SIMILAR COMPLETED PROJECTS ATTACHMENT 3

MSDGC Muddy Creek WWTP Blower Energy Efficiency Upgrades

ASE teamed with Brown & Caldwell to provide engineering services for the Metropolitan Sewer District of Greater Cincinnati (MSDGC) Muddy Creek WWTP Blower Energy Efficiency Upgrades Project. The project included the complete replacement of the existing blowers with four (4) new 250HP turbo blowers, including all new electrical, instrumentation and controls.



Services by ASE

ASE provided the detailed electrical, instrumentation and controls design for the project. The control systems were comprised of Rockwell ControlLogix PLCs and GE Proficy/iFIX SCADA systems, based on MSDGC's standards.



ASE provided coordination with the Muddy Creek Electrical Upgrades Project, for which ASE was the lead design firm. The new Blower System PLC panel was installed in the existing control room, which was converted to a new electrical room under the Electrical Upgrades Project. All new instrumentation and field controls for the Aeration System were also installed as part of the Blower Upgrades Project.

During the construction phase, *ASE assisted with the Construction Administration activities related to the electrical and I&C upgrades.* ASE provided coordination with the contractor and commissioning, checkout and startup support services.

All of the systems have been successfully checked out and the construction is now substantially complete.

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.

