

SIMILAR COMPLETED PROJECTS ATTACHMENT 3

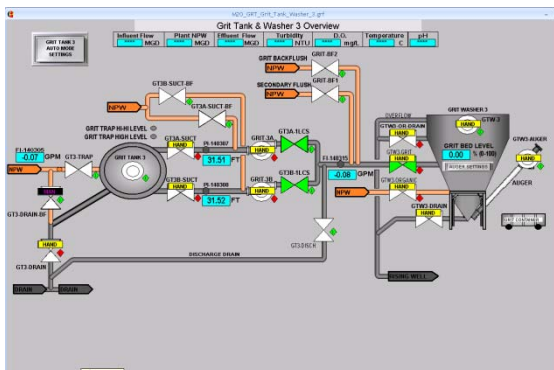
MSDGC Mill Creek WWTP Preliminary/Primary Treatment Improvements

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



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 programming, systems commissioning, checkout and startup services.* ASE also provided coordination with contractors and equipment vendor's 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 detailed 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 Ribway and they were pleased with the services we provided.

