

Project Summary

Project : Water Treatment Plant, River Intake, SCADA System

Client : Mifflintown Municipal Authority, Mifflin County, PA



Four primary issues confronted Uni-Tec and the client. Inadequate raw water supply, insufficient treatment capacity, power loss interruptions, and limited water transmission capacity were solved with conventional engineering technologies. The means and methods in which they were implemented were the primary reasons for the project's success.



The treatment plant renovations were designed to accommodate construction of the new facilities while concurrently providing for complete operation of the existing facilities. This allowed the Authority to continue to meet the needs of the community throughout the entire duration of construction with only minimal disruptions. In order to minimize the costs of the project, many of the existing architectural facilities were reutilized and renovated rather than demolished and rebuilt. This kept construction costs to a minimum and prevented large amounts of debris from being generated as waste.



The result is a fully refurbished and expanded water treatment plant. A system wide SCADA control system now monitors and manages not only plant operations, but operation of remote pumping stations and storage facilities. Water shortage issues have been solved with the addition of a new Juniata River intake and pumping system, resulting in doubling the client water producing capacity.