

WWTP IMPROVEMENTS

Waste Water Treatment Plant Mason City, IA (2008)

Objective

Provide electrical and mechanical engineering services for plant expansion / upgrade.

Project Description

Mason City began the construction of their Waste Water Treatment Plant (WWTP) improvements in 2008. The project involved increasing plant capacity in response to projected growth of the Mason City area.

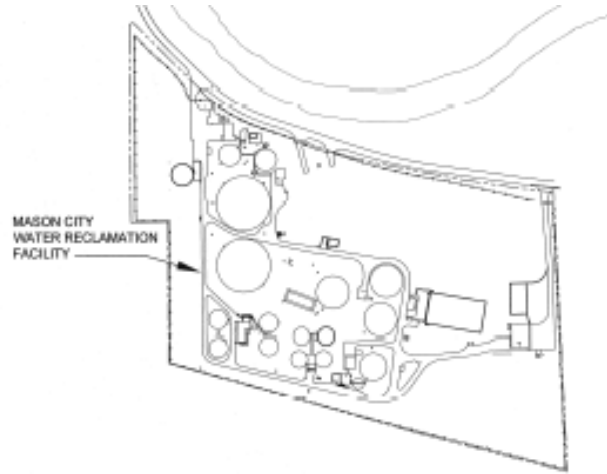
In addition to increased process capacity, the project involved installation of a new medium voltage electrical distribution system and the expansion / remodeling of the existing administration facilities.

Project Summary

ITE provided electrical and mechanical engineering services for this project, responsibilities included:

- Electrical engineering analysis
- Design of new service sized for future expansion
- Transferring loads between new and existing service
- Electrical and control system development for upgraded emergency power system
- Mechanical design for expansion of administration facilities

Along with the expansion of the plant ITE provided engineering services in a separate project for the Monroe Street lift station which services the Mason City plant.



The **City of Mason City, Iowa** relied on **Integrated Technology** throughout the project for mechanical and electrical engineering, and control system development.

