



Wastewater Treatment Plant Project Summary

City of Sioux City, IA Wastewater Treatment Plant Renovation

Contract Value: \$44.1 Million

Duration: July, 2006 – December, 2008

Location: Sioux City, IA

**OWNER:**

City of Sioux City, IA
City Hall, 405 Sixth Street
Sioux City, IA 51102

ENGINEER:

Camp Dresser McKee, Inc.
9200 Ward Parkway, Suite 500
Kansas City, MO 64114

GENERAL CONTRACTOR:

Foley Company
7501 E Front Street
Kansas City, MO 64120

PROJECT SUMMARY:

Project was a multi-phased renovation and improvement to an existing municipal wastewater treatment plant.

Phase 1 consisted of construction of a new headworks building, new process train, chemical building, auger cast piles, belt filter presses, polymer injection, odor control system, clarifiers and clarifier covers, remediation of existing lagoons, new wildlife/park area and modifications to existing administration building. Precast concrete arch pipe, measuring 6', was tied into the existing influent, routed to the new headworks building and then tied into the existing clarifier system. Over 1000 feet of yard piping required deep excavations (in excess of 15 feet) and extensive coordination to avoid existing utilities. Work needed to be completed while maintaining operation of existing plant.

Phase 2 consisted of complete renovation of (4) existing sludge digester tanks. Work included installation of new digester covers, removal of existing gallery piping, new piping, new digester gas heat exchangers, and modifications to boilers for use of digester gas, odor control and miscellaneous general construction.