

project brief

TYPE OF FACILITY:
Power Plant



Wisconsin Energy Elm Road Station

■ Milwaukee, Wisconsin, United States

The Wisconsin Energy Elm Road Station was constructed to meet the ever-increasing demand for electric power in the United States. Upon completion, this twin 650MW power plant will be the second largest power plant in North America. Due to the skilled craft labor shortage as well as the ease and speed of installation of the Victaulic grooved pipe joining methods, the engineer chose Victaulic for the cooling, service and make-up water, as well as the demineralization and fire protection systems.

Victaulic Construction Piping Services (CPS) drawing review services were utilized to ensure that the plans were drawn to proper Victaulic dimensions and Vic-Stix prefabricated segments were delivered directly to the jobsite to decrease material handling. Victaulic Style 07 rigid and Style 77 flexible couplings were used on all systems including fire protection, in conjunction with the Vic-300 Masterseal, and Series 706 and 709 butterfly valves and Series 779 and 705W check valves, eliminating the need for on-site welding.

SPECIFICATIONS:

SERVICES:	PIPE MATERIALS:	PIPE SIZE RANGE:
Cooling Water	Grooved Carbon Steel	2½ – 24"/65 – 600 mm
Service Water	Grooved Carbon Steel	2½ – 12"/65 – 300 mm
Make-up Water	Grooved Carbon Steel	2½ – 12"/65 – 300 mm
Demineralization	Grooved Stainless Steel	2½ – 6"/65 – 150 mm
Fire Protection	Grooved Carbon Steel	2½ – 12"/65 – 300 mm

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MARKET:

Power
Industrial
Fire Protection

VICTAULIC SOLUTIONS:

Compressed Schedule
Construction Piping Services
Ease of installation
Installation time savings
Prefabrication

OWNER:

Wisconsin Energy

CONTRACTOR:

Bechtel

ENGINEER/CONSULTANT:

Bechtel

COMPLETED DATE:

August 2009



WCAS-7LPMPK

