

COOK LEGACY CASE STUDY

Jacquelyn Coated Pipe

Industry	Power Generation
Problem	A new intake system was being built in an area infested with zebra mussels. The system had no tolerance for diminished flow so they had to ensure that the intake pipes remained free of zebra mussels.
Solution	The ID of the piping was coated with Jacquelyn™ Coating. This was significantly less expensive than using pipe built of an antifouling material.
Result	Reduction of capital, operating, and maintenance cost for the facility.

Jacquelyn™ Coated Intake Pipe

A power plant was retrofitting its cooling water intake system to comply with EPA Regulation 316(b). The engineers were concerned because the water body they were drawing from was infested with zebra mussels. In addition, the flow rate through the system was going to be decreased to a flow rate which is optimal for zebra mussel growth. The facility needed to maintain ample cooling water to avoid costly thermal discharge penalties or even a system outage. Cook Legacy used Jacquelyn™ Coating to address these concerns. Using our ASME Certified fabricators we built the pipe and applied Jacquelyn™ Coating to the ID of the intake pipe array. This application led to a significant reduction in capital cost over the use of exotic material such as 90-10 CuNi for the piping.