

SIMSA MEMBER SPOTLIGHT:

Park Derochie Coatings



SIMSA Member

Park Derochie Coatings - a Saskatchewan-based supplier and one of North America's premier industrial contractors - specializes in a broad range of coatings and blasting, fireproofing, mechanical insulation, scaffolding and containment services.

The Client

SaskPower

“Park Derochie was professional and very well prepared, with a sound plan on how to handle the project. They did the job to our specifications and met the timelines we agreed to. The project went very smoothly.”

- Kirk Tapp,
SaskPower engineer.

The Challenge

Find a cost-effective way to repair and restore the structural integrity of a 1900-foot long underground section of pipe that provides necessary cooling water to the client's Boundary Dam Power Station.



The Story

The #1 CW (cooling water) supply line at SaskPower's Boundary Dam Power Station draws water from its lake to reduce heat within the dam workings to within safe operating limits; without this cooling water, the station cannot operate, resulting in costly and far-reaching power provision problems. The CW supply line, a 6-foot diameter pipe, was deteriorating - a problem that reduced working pressures within the line to unacceptably low levels.

SaskPower engineers determined that refurbishing rather than replacing the pipe was the best solution to the problem, and that using carbon fibre coating products would be needed to complete the work. The utility brought in Park Derochie to complete the highly specialized work of applying the carbon fibre coating to the underground pipe.

required specially trained teams working 24/7 for 47 days to complete. Logistics played a major role in the project, which included excavation work to unearth the pipe, robotic cleaning of the internal lines, pipe surface blasting, and application of the fiber-reinforced polymer liner.

Working 20 feet underground, certified Park Derochie teams sandblasted the pipe before applying the carbon fibre liner. Safety was the #1 priority throughout the process, with crews developing and adhering to strict confined space and emergency evacuation protocols. Rigid humidity and temperature conditions were also kept to ensure proper application of the coating.

All work was completed on time and on budget, with zero recordable safety incidents.

Project Details

A complex and work-intensive undertaking, the Boundary Dam project

See what SIMSA members can do for your business.

Contact us today to learn more: eric.anderson@simsa.ca