



Dam projects are large and complex, and with several dam projects running concurrently, the contractor appreciated Dayton Superior's focus on providing the materials they needed, when they needed them...



Construction of the Smoky Falls Intake occurring in November 2011

Dayton Superior Product Expertise is a Powerful Solution

Summary

Ontario Power Generation (OPG), the leading generator and seller of electrical power in Ontario, has embarked on the construction of the north's largest hydroelectric generating project in 40 years. The \$2.6 billion Lower Mattagami Project is slated to increase the supply of clean, renewable power to Ontario by approximately 440 megawatts, providing enough electrical power to serve between 330,000 to 440,000 homes. In addition, the project will bring hundreds of jobs to the area.

Kiewit-Alarie, A Partnership (KAP) was awarded the design and construction contract by OPG and will lead the four-part project. KAP is a partnership between Peter Kiewit & Sons Co. and Leo Alarie and Sons Construction Ltd.. The project includes the addition of generating units at the Little Long, Harmon and Kipling stations and replacing the generating station at Smoky Falls with a three-unit station on the current site.

Throughout the course of the project (which is expected to last through 2015), Dayton Superior will be providing a significant amount of forming hardware along with concrete curing and sealing chemical products.

Customer

Ontario Power Generation

Contractor – Kiewit-Alarie, A Partnership (KAP)

Project

Lower Mattagami Project – Ontario Canada

Project Type – Utility (Hydroelectric)

Challenge

The high-profile Lower Mattagami project is one of significant size and scope where considerable engineering support was necessary in determining the forming and chemical

needs of the project. In addition, the project requires precise and timely coordination of product delivery to the job site. It is imperative to the project that KAP be able to rely on their suppliers for high-quality products as well as product availability.

Solution

Dayton Superior worked diligently with the project's engineering team and draftsmen in Quebec to determine the forming and chemical product solutions for the project. KAP recognized the value of Dayton Superior's technical expertise and their reliable service in having those product solutions available when they were needed on the job.

"We appreciate the responsiveness we have received from Dayton Superior in working with the project engineers to determine the appropriate product solutions for this extensive project and having those products available to us when they are needed," said Dominic Jolicoeur, Professional Engineer and Fab Shop Manager.

Results

- KAP turned to Dayton Superior's expertise to provide innovative forming and chemical product solutions
- Dayton Superior's team of professionals worked closely with the projects engineers to understand the project's needs
- Dayton Superior's reliable product availability saved the contractor from costly work delays



The intake pier nose utilized Dayton Superior products.



A closer view of the Smokey Falls Intake jobsite.

Resources

Additional forming and chemical product information is available online at www.daytonsuperior.com. Contact your Dayton Superior representative at 888-977-9600, or send an email to info@daytonsuperior.com to discuss how these or other innovative systems can make your construction projects more productive.