

Neighbours

Smoky Falls Dam
Safety Project



(Above) Smoky Falls gated spillway under construction with the downstream water retaining structure in place.

Smoky Falls Under Construction



The spillways and sluiceway of Smoky Falls were originally built by the Spruce Falls Pulp and Paper Company and commissioned in 1929. At the time, it was the only structure located on this area of the Lower Mattagami River, and was designed to pass full river flows.

In the 1960s Ontario Hydro (OPG) constructed Little Long, Harmon and Kipling Generating Stations (GS) along with a diversion structure at Adam Creek, in order to bypass the flood flows around the plants, including Smoky Falls. This mostly eliminated the need for a spillway at Smoky Falls.

The Smoky Falls spillway consists of three structures: The West Overflow Spillway with 11 overflow bays; the East Overflow Spillway with 14 overflow bays; and located at the mid-section, a gated sluiceway that has 10 gated sluice bays.

The Smoky Falls Dam Safety Project will plug the overflow spillways and surplus 8 sluice bays and provide two new operational sluiceways to:

- Strengthen the sluiceway and overflow spillways including the old Smoky Falls Powerhouse to meet dam safety regulatory requirements related to stability

- Improve the reliability and maintainability of the existing infrastructure including a new sluiceway deck to meet safe load carrying capacity
- Ensure the sluiceway can safely discharge full station flow should a load rejection, or maintenance outage be required at the Smoky Falls Generating Station

The Project will provide a new gate superstructure, and associated electrical and mechanical equipment, including backup emergency power supplies. The design will incorporate current standards to ensure the gates are able to operate reliably, and can be safely maintained during severe winter conditions. These measures include enclosed hoisting motors, insulated gates, and a gain heating system, just to name a few. The existing East and West overflow spillway sections and 8 redundant sluice gates that are not required to meet the discharge capacity of the facility will be permanently decommissioned.

Kiewit has been awarded as the Design-Build Contractor and is currently executing the project through the completion of engineering, procurement, construction, and commissioning. For employment and contracting opportunities, please contact Kiewit.

Smoky Falls / Little Long Back Run Event



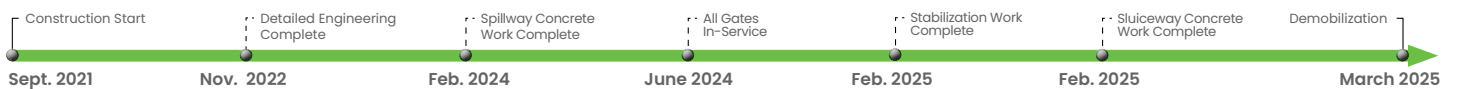
The goal was set to raise at least \$1K in donations for the 101 Moment of Wonder Organization in support of the Kapuskasing Indian Friendship Centre. Funds are used to provide retreats to the parents of First Nation communities struggling with mental health issues.

In May, Smoky Falls Dam Safety (SFDS) Field Engineer, Lucylle Jumetz, saw an opportunity to inspire the project teams at OPG, Kiewit, WSP, and KGS by participating in a walk/run fundraiser along the path that connects both the Little Long Dam Safety (LLDS) project and SFDS project.

On May 18, 2022, more than 50 people came out to participate in the 5-kilometre challenge/charity fundraiser. The team surpassed their financial goal, raising a total of \$5,600 in donations for a worthy cause.



(Above) Participants gather for a group photo prior to the 5-kilometer challenge/charity fundraiser.



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