

Ladore Spillway Seismic Upgrade Project – Community Construction Report #3

July – August 2025

Prepared by Stephen Watson

Email: steve.watson@bchydro.com

Phone: 1-250-616-9888



Project status and schedule

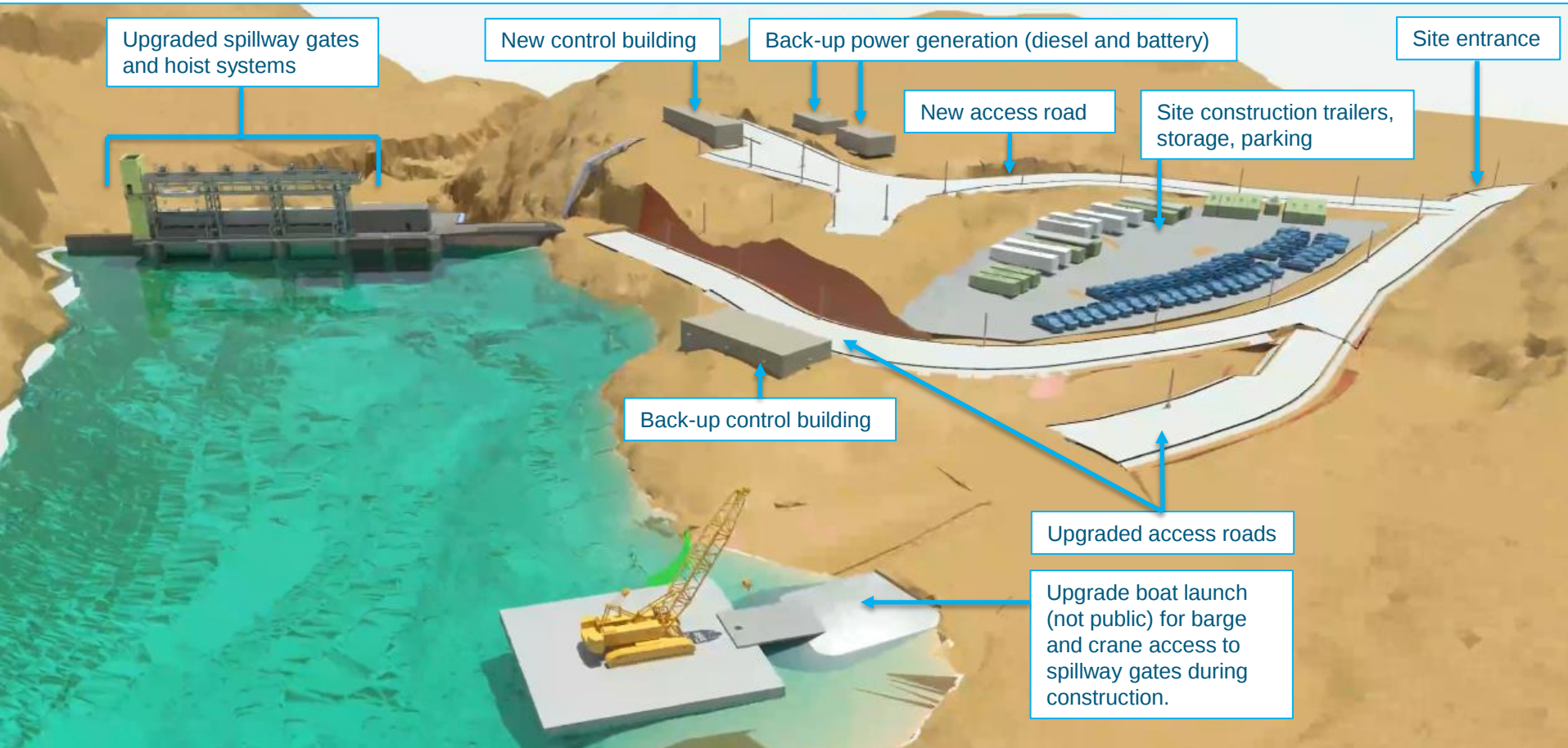
- As of July 31, our Aecon EBC Ladore General Partnership contractor has had 50,557 hours of work without a lost time accident.
- Ongoing site preparation work to prepare for the access roads, the two control buildings, and two back-up power supply buildings.
- Barge and crane mobilized to the upstream side of the Ladore Dam in mid-August 16. Upgrade work on spillway gate 3 begins to replace the spillway gate and hoist system in 2026.

August 21 view of the crane and barges moved into place at the Ladore Dam for the spillway gate work.



Construction schematic: site layout

The schematic below showing the site configuration near the end of construction in 2028.



Construction photos: site work

July 4 view of the Ladore Dam. The drilling and blasting work to widen the access road to the dam was completed, and this work shows the rock chipping and rock removal along the access road.



Construction photos: site work

July 4 view from the upper site of the Ladore Dam on the far right, and the widened access road and boat launch on the left.



Construction photos: site clearing work

July 4 view looking down on the widened access road, new foundation for the back-up control building, and crane and barges.



Construction photos: site work

July 4 view of the crane moved onto the barge. The smaller barge on the right is a service barge.



Construction photos: site work

July 4 view of the work for the foundation, and the removal of loose material with a large rubber tire, for the main control building.



Construction photos: site work

July 17 view of temporary control panels being built to allow for the spillway gate upgrade work and to maintain gate operations.



Construction photos: site work

July 17 view of temporary control panels in the background, with conduit to connect the panels to two of the three spillway gates.



Construction photos: spillway gates

July 17 view looking down one of the spillway gates with netting to prevent bird nesting.



Construction photos: spillway gates

July 17 view looking downstream of the dam of the 30 cubic metre per second water release down the canyon. The powerhouse was out of service for planned maintenance. The project team and the operations team are closely coordinated.



Construction photos: site work

July 17 view of the dam and on the left, drilling work to install one of six anchors along the shoreline to hold the barge in place.



Construction photos: site preparation

July 31 photo looking across the foundation for a back-up power supply to the placement of concrete for the control building.



Construction photos: site work

July 31 view of concrete placement for the foundation of the control building.



Construction photos: site preparation

July 31 photo of the work on the back-up control building foundation and the barge and crane in the background.



Construction photos: site preparation

August 13 view of the foundation formwork for the back-up control building, and the barge and crane in the background.



Construction photos: site work

August 13 view of the rebar work for the main control building.



Construction photos: site work

August 13 view of the dam and crane extension testing to reach spillway gate 3, on the far right, and assist with the upgrade work.



Construction photos: site work

August 21 picture looking across the reservoir to the anchored barge and crane that was moved into place in mid-August.



Construction photos: site work

August 21 picture from the deck of the dam of the spillway gate hoist system, with scaffolding starting, and the crane and barge.



Construction photos: site work

August 21 view of concrete placement for the foundation for the back-up control building.



Construction photos: site work

August 21 view near the water looking in the other direction over the back-up control building and the works on the upper site.



Construction photos: site work

August 21 view of the rebar work for the main control building.



People profile – Fred Stanley

About Fred

Background:

Fred has been a union carpenter for 40 years. He is an active member of Construction Maintenance and Allied Workers (CMAW) for the piledrivers and bridgeman and divers. He is also part of the International Alliance of Theatrical Stage Employees (IATSE), the film industry, and has worked on movie sets. He worked on the successful John Hart Generating Station Replacement Project. Fred's father was a carpenter on the original construction of the John Hart and Ladore hydroelectric facilities. He has been able to learn and build in many geographical places and styles.

Home:

Fred was born and raised in Campbell River.

Hobbies:

He enjoys athletics, the back country, hiking and walking.

Project Responsibility:

A carpenter for the Aecon EBC Ladore General Partnership and is building and erecting formwork.

“It feels good to be able to work on a project like this in my hometown. It's an interesting and important project for Campbell River, and I'm pleased to be able to help out where I can.”

