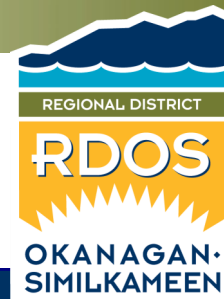


Regional District of Okanagan-Similkameen

Chain Lake Dam Upgrade

Summer 2025



Keeping the Community Informed

The issue

The Chain Lake Dam requires upgrading due to aging and deterioration. The RDOS together with the contracted consultant Ecora, have completed a design and implementation work plan for the specified dam upgrades. The upgrades will include a new Low Level Outlet (LLO), along with a new concrete spillway structure and outlet. All required Provincial and Federal permits for the works are completed and are ready for construction.



Submission of plans to Province

The RDOS submitted a documentation package to the Province for review and approval has been received from the dam authority. The data package included the following:

- 100% design drawings; comprising of all the features and details of the dam
- Upgrade Plan Submission Report
- Dam Emergency Plan
- Operations, Maintenance and Surveillance Plan, and
- Environmental Management Plan

Project Costs

The project cost is estimated to be \$1.75 M based on the May 2025 construction cost proposal.

- Estimated funds available from Area “H” Growing Community Fund—\$498K
- Estimated grant funds being secured—\$550 K
- Estimated maximum funds to be borrowed—\$1.25 M. (\$700 K after grant inclusion)

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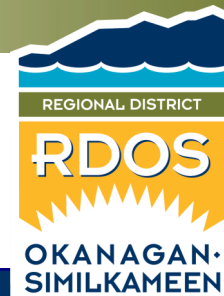
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Next Steps

- Revise Engineering drawing package to remove spillway bridge.
- Resubmit engineering package to province for review and re-approval.
- Finalize Statutory Right of Ways
- Borrowing Bylaw to RDOS Board for approval.
- Petition process
 - Petitions will be sent out via direct mail to each property owner within the service area.
 - Assess property owners petition response.
- Complete Archaeological Impact Assessment
- Construction RFP/Tender

IF Petition passes

- Award Construction Contract
- Commence construction in 2026

IF Petition rejected

- Secure services of qualified professional
 - Develop dam decommissioning plans and applications
 - Submit plans to province for approval
- Estimated dam decommissioning cost is \$380K (March 2025 estimate)

If the dam is decommissioned, what happens to the lake?

Although a detailed engineering analysis of the decommissioned design has not been completed, conceptually, the lake level is estimated to drop by 1.45m. This is partially due to the requirement to return to native channel elevation. The performance of the lake/reservoir would decrease during storm events and increase the risk of flooding to properties around the lake/reservoir.

Stay informed by visiting
rdosregionalconnections.ca/chain-lake-dam-upgrade

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