

TOWN OF LUNENBURG
DARES LAKE DAM & SPILLWAY UPGRADES
CONTRACT NO. TOL2025004
ADDENDUM NO. 2
March 18, 2025

The following is additional information related to the Project:

GENERAL INFORMATION

Existing dam structure information:

The Dares Lake Dam is an earthen embankment dam located at the northeast end of Dares Lake, the water supply for the Town of Lunenburg. The existing earthen embankment is approximately 1.2 m in height on the upstream side and 3.0 m on the down slope.

The lake elevation is regulated by a spillway structure constructed of granite block, which step up to the maximum high from each side of the embankment, and a reinforced concrete slab at the base. The spillway control structure opening is 0.96 m wide by 0.90 m high, with an overall length of 6.37 m. The water level of Dares Lake is controlled using two 38 x 229 mm stoplog boards placed in gains, which are removed during flood periods to increase the discharge capacity of the spillway.

An existing intake pipe system conveys water from the Dares Lake Dam to a pumping station situated approximately 160 metres east of the dam, which subsequently transmits the water to the Lunenburg Water Treatment Plant located further southeast down NS-324.