

Q. Re Rattling Brook Dam Refurbishment, Tab 1.3

At page 1 of the report it indicates that uncertainty around the requirements for fish passage delayed work on the Rattling Brook spillway. On what basis did NP decide that the work on the spillway could reasonably be deferred pending the outcome of discussions with DFO?

A. Newfoundland Power has been able to defer the work at Rattling Lake spillway by limiting the reservoir operating elevations to avoid the worst-case structural loading on the spillway.

Structural analysis of the Rattling Lake spillway was completed for the worst-case loading scenario. The worst-case structural loading would occur when the reservoir is at or near the full supply level during winter conditions when ice is present against the structure.

To ensure this worst-case loading does not occur, the plant operating procedure requires the reservoir elevation must be kept at 112.2 meters or lower during winter months to keep ice from rafting up on the flashboards. The concrete sill at the base of the spillway is at an elevation of 112.78 metres.