

1 Q. **Tab 6; Volume II: Install Remote Operation of Salmon River Spillway**

2 What impact does the installation of remote control have on the risk profile with
3 respect to the possible compromise of the Salmon River Spillway?
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6 A. The Salmon River Spillway is the only way to release water from the Long Pond
7 Reservoir and is the farthest downstream spillway in the Bay d’Espoir reservoir
8 system.
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10 The installation of remote control for the Salmon River Spillway will improve the
11 risk profile for Salmon River Spillway and the whole of the Long Pond reservoir.
12 During future severe weather events, remote control will remove the risk that the
13 spillway gates cannot be operated due to road washouts or the inability to fly in
14 poor weather. Currently, if water must be released from the reservoir when travel
15 is not possible, water could rise to such critical levels that it could expose the
16 various structures in the Long Pond Reservoir to overtopping¹. Hydro acknowledges
17 that an overtopping failure is an extreme case, but a case for which Hydro must
18 mitigate the risk given the consequences of a failed control structure that maintains
19 the reservoir.

¹ Overtopping is when the water level in a reservoir is higher than the top of the dam resulting in water flowing over the top of the dam. For earth dams, water flowing over the top causes the earth material to wash away and leads to failure of the structure.