

1 Q. **C-9; Volume I, Tab 4: Rehabilitate Salmon River Spillway – Bay d’Espoir**

2 How does Hydro intend to address the recommendation on page A25 of the Hatch
3 report concerning investigation of the requirement to install gate heating systems
4 on Spillway gates 1 and 3?

5

6

7 A. Hydro has investigated the requirement to install gate heating systems on Spillway
8 Gates 1 and 3 by consulting with other Canadian utilities and the dyke board of
9 consultants (a group of senior dam design engineers). The conclusion from this
10 investigation is that, typically, three-gate-structures such as Salmon River Spillway
11 have one gate containing a downstream skin (i.e. closed back) which is heated, and
12 two gates that do not have downstream skins, and which are unheated. This is the
13 original design of this structure and is typical of similar spillway structures in
14 Canada. Based on this, Hydro does not intend to provide gate heating for Gates 1
15 and 3 at Salmon River Spillway.

16

17 Please note that gate heating and gain heating are separate heating systems to
18 prevent icing in different areas of the gated structure.