

1 Q. **Re: B-20, Upgrade Stack Breeching Unit 2 - \$1,505,100 in 2012**

2 In Volume II, Tab 7, page 6, Hydro states that: *"The exterior insulation on the*
3 *original stack breeching was prone to leaks that were difficult to locate."* What
4 assurance does Hydro have that the installation of exterior insulation will not be
5 subject to the same leaks, and what has Hydro done to mitigate this issue?

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8 A. The new exterior insulation system that is proposed for the stack breeching for Unit
9 2 will be covered with a watertight cladding. As well, ice shields will be installed
10 over top of the cladding to protect it from ice that falls from the plant's roof and
11 stacks in the vicinity of the breeching during the winter months. The watertight
12 cladding and ice shields will mitigate water ingress into the insulation system to the
13 greatest extent possible.

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15 The previous exterior insulation system installed on the stack breeching for Unit 2
16 was not protected with ice shields. Ice falling from the plant's roof and stacks was
17 able to impact the protective cladding. The impact from falling ice caused the
18 cladding to crack. These cracks allowed water to migrate into the insulation. This
19 created an environment in which accelerated corrosion could form on both the
20 exterior and interior faces of the breeching steel casing.