

1    Q.    **Re: Project B-12 Upgrade Unit 2 Stack Breeching**

2            What measures is Hydro intending to take in relation to Hydro's preferred option  
3            for refurbishment of Unit 2 to prevent the proposed exterior insulation again  
4            becoming prone to leaks, per page 6 of the July 2011 report in support of this  
5            Project?  
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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.