Q. Further to PR-PUB-NLH-066, describe the method used by Hydro to seal the exposed bottom parts on Holyrood breaker B1L17 left on site in the weather from rain and describe how the method used to seal the exposed breaker parts from the weather failed to prevent water from entering the breaker.

A. The bottom parts of Holyrood breaker B1L17 consists of each phase's receiver tank with a driving rod connected inside the tank extending up through the top opening of the receiver tank. Hydro was aware that it was important to ensure that no water from the weather (such as snow and rain) should be allowed to enter the tank. Accordingly, there was a waterproof cover placed and secured over the tank and the driving rod.

Once the parts were RTV coated and put back in place, the breaker was fully tested to ensure it operated as per specifications. When the breaker failed in January 2014, the investigation determined that the most probable cause of the failure was moisture in the "A" phase receiver tank. Although no moisture had been apparent prior to the January 2014 investigation, it appears that the moisture may have entered the tank during the period of the repairs. Hydro has been unable to definitively determine how moisture entered the tank, in light of the fact that it had been sealed at the time in a manner designed to prevent the ingress of moisture.