

1 Q. Re: NLH CB 2018-D-15 – Operating the Overhead Crane from the Cab of the Crane  
2 Exposes the Operator to Unsafe Temperatures.

3 (a) How long has the Holyrood overhead crane operated and been exposed to  
4 unsafe temperatures? Please provide details.

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7 A. The overhead crane is original to the plant and has always been operated from the  
8 cab of the crane. The crane and its cab are located at the top of the turbine hall,  
9 where heat accumulates and is a high heat area. As stated in the proposal, it is  
10 necessary for the crane operator to stay in the crane for the duration of a lift, and  
11 lifts will be required for maintenance purposes throughout the Phase 3 operation of  
12 the facility. Long duration lifts in high heat conditions result in exceeding the safe  
13 limits for heat exposure management. In addition, as stated in Volume I, Section D,  
14 page D-14, emergency rescue personnel are required to stand by and monitor the  
15 operator, and perform rescue of the operator if required for any reason, including  
16 heat exposure. With the installation of the remote control, this safety risk to  
17 personnel would be eliminated, as well as the requirement to have high angle  
18 rescue personnel available at all times during crane operation.