

1 Q. **Re: HRD - Install Operator Training Simulator (Tab 5)**

2 At page 6, Hydro outlines that the current testing and training takes place over a
3 period of two years, but with the training simulator, training time will be reduced to
4 6 months. Has any research been completed into the quality of the training that a
5 candidate will receive given the significant decrease in actual training time?

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8 A. While detailed research has not been conducted into this matter, the reduction in
9 training time is based on the operator having the opportunity to perform more
10 tasks in a shorter period of time without reducing the quality of training. The
11 anticipated reduction in training time is based on the fact that an operator can
12 perform training on a simulator in a concentrated and consistent manner without
13 impacting the operation of a live generator. Hydro conducted a site visit at SRP
14 Navajo, a 2250 MW coal-fired generating station in Arizona that indicated a
15 reduction in their operator training program from two years to three to six months
16 through the use of an operator training simulator. Hydro estimated a similar
17 reduction to its operator training plan on the basis of the SRP Navajo plant having
18 similar operating equipment.

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20 An operator can complete many tasks over a shorter time frame on a simulator
21 whereas performing the same tasks on a live unit control board is subject to the
22 availability of a particular board, whether or not a unit is online and if certain tasks
23 can be performed at that time. The simulator also exposes operators to situations
24 that would not normally arise, or would take some time to arise. This provides
25 operators with the opportunity to accumulate a great range of experiences over
26 shorter periods of time. Considering the availability of a simulator in comparison to
27 that of a unit control board, operators can practice scenarios more frequently

1 thereby using less time to complete training while at the same time providing a
2 higher quality of training in light of the varied situations that can be modelled on a
3 simulator.