Q. **Re: p. B-15** What steps has Hydro taken and what steps are planned to reduce or eliminate the collection of brake dust and oil mist on the rotors and stators?

A. Maintaining the cleanliness of unit rotors and stators at Hydro's generation facilities has always been a part of each unit's annual maintenance program. The unit rotor and stator are subjected to three main sources of contamination. They are (1) brush gear dust, (2) rotor brake dust and (3) bearing oil mist. The cost associated with implementing a solution to significantly reduce each of these contaminates is quite costly and in the order of $100,000 per unit. However, even with such systems, there will always be a need to clean the rotor and stator albeit at a reduced frequency.

In the construction of the Granite Canal Project, the generator design assembly incorporated dust collection and oil mist reduction features. Based upon its performance to date, a similar design change could be implemented elsewhere at the cost stated above. However, this does not completely eliminate the cleaning requirement for the rotor and stator; therefore, retrofitting is not considered viable at this time.