

Central file

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TECHNICAL SPECIFICATIONS - INDIAN POINT STATION UNIT 3

Enclosed is the proposed text for the sections of the Technical Specifications for the Indian Point Station Unit 3 on primary and secondary coolant activities reflecting our current position on this topic.

The enclosed Technical Specifications limit the primary coolant activity to 0.5 $\mu\text{Ci}/\text{gram}$ due to I-131 equivalent, and to $32/E$ $\mu\text{Ci}/\text{gram}$ due to all nuclides excluding tritium with half-lives of more than 10 minutes. The I-131 equivalent concentration in the secondary coolant is limited to 0.03 $\mu\text{Ci}/\text{gram}$.

The primary coolant iodine concentration limit has been reduced by a factor of three to account for the effects of a possible iodine spiking phenomenon as a result of the accident. This factor will be reduced or eliminated once sufficient data have been accumulated to demonstrate that this reduction is not required. A λ/Q value of $1.4 \times 10^{-3} \text{ sec}/\text{m}^3$ and a primary to secondary leakage of 1 gpm were used in these calculations.

This work was performed by H. M. Fontecilla of the Accident Analysis Branch.

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Brian Grimes, Chief
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Enclosure:
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Dummy T(rs)	Fontecilla	Grimes		
Ref-08 SURNAME	HFontecilla;rs	BGrimes		
1/6/73 DATE	11/9/73	11/9/73	11/9/73	

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