Docket File

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THRU: H. R. Denton, Assistant Director for Site Safety, L

TECHNICAL SPECIFICATIONS - THREE MILE ISLAND NUCLEAR GENERATING STATION - UNIT 1

Enclosed is the proposed text for the sections of the Technical Specifications for the Three Mile Island Nuclear Generating Station - Unit 1 on primary and secondary coolant activities.

The enclosed Technical Specifications limit the primary coolant activity to 0.5 μCi/gram due to I-131 equivalent, and to $\frac{36}{\bar{E}}$ μCi/gram due to all nuclides excluding tritium with half-lives of more than 20 minutes. The I-131 equivalent concentration in the secondary coolant is limited to 0.01 μCi/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 χ/Q value of 9.0×10^{-4} sec/m^3 and a primary to secondary leakage of 1 gpm were used in these calculations.

This work was performed by W. F. Pasedag and H. M. Fontecilla of the Accident Analysis Branch.

Original Signed by
Brian K. Grimes

Brian Grimes, Chief
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Enclosure:
As Stated

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