

MEMORANDUM FOR: Robert C. Pierson, Chief
 Licensing Branch
 Division of Fuel Cycle Safety
 and Safeguards, NMSS

JAN 10 1994

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FROM: Marc Klasky
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SUBJECT: MEETING SUMMARY, CRITICALITY SAFETY DISCUSSIONS WITH
 COMBUSTION ENGINEERING, HEMATITE

On December 8, 1993, representatives from the Nuclear Regulatory Commission and Combustion Engineering, Inc. (CE) continued criticality safety discussions from the October 5, 1993, meeting (ref: trip report of November 22, 1993) pertaining to the renewal of License SNM-33. The December discussions focused on CE's plan to incorporate into Part I of the application additional information on criticality safety. At this juncture, CE representatives presented a plan for incorporating specific information on individual processes into Part I of the application. This information would include the process, the limits, and the controlled variable (e.g., mass, moderation, concentration, etc.) and a commitment to provide controls (the specific controls would not be delineated in Part I). Examples of this approach were presented for discussion. NRC expressed general agreement with the CE approach. However, it was noted by NRC that more detailed design criteria for controlled variables would need to be developed for NRC to have reasonable assurance that the specific controls utilized would meet some minimum standard. Discussions on the design criteria for the controls utilized to provide protection will be held in the next month.

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