



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

January 27, 1995

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

FROM: John Glenn, Chief *John F. Glenn*  
Low-Level Waste and Decommissioning  
Projects Branch  
Division of Waste Management, NMSS

SUBJECT: TECHNICAL ASSISTANCE REQUEST - COMBUSTION ENGINEERING (CE),  
HEMATITE EVAPORATION PONDS

My staff has reviewed CE's Hematite Evaporation Ponds Decommissioning Plan. A groundwater impact evaluation and a review of uranium solubility is recommended.

If the licensee intends to use the option 2 concentration limits from NRC's Branch Technical Position entitled "Disposal or Onsite Storage of Residual Thorium or Uranium From Past Operations" for the decommissioning of the evaporation ponds, then a groundwater evaluation needs to be submitted. This evaluation needs to demonstrate that groundwater impact would not result in an unacceptable dose to the maximally exposed individual under a 1000 year unrestricted use scenario.

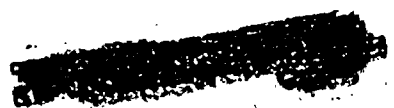
The methods used and results from the tests conducted to determine the solubility class of the residual uranium in the ponds should be submitted to NRC for review.

Contact: Jack D. Parrott, NMSS  
415-6700

~~27 Feb 95~~  
S. Soong ✓  
M. Adams ✓

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*John*  
*let's discuss*  
*mt*

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