



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 27, 1995

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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

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RECIP.NAME RECIPIENT AFFILIATION
PIERSON, R. Licensing Branch

SUBJECT: Advises that author staff has reviewed CE Hematite evaporation ponds decommissioning plan & recommends groundwater impact evaluation & review of U solubility.

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