



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

OCT 1 1980

MEMORANDUM FOR: W. T. Crow, Section Leader
Uranium Process Licensing Section
Uranium Fuel Licensing Branch

FROM: N. Ketzlach
Uranium Fuel Licensing Branch

SUBJECT: MEETING IN SILVER SPRING TO DISCUSS PLANNED
LICENSE AMENDMENT REQUEST

Purpose

Discuss proposed request for amendment to Combustion Engineering (CE) License No. SNM-1067 for the possession and packaging of uranium and thorium waste discovered in a wooded area on the CE site in Windsor, Connecticut.

Place and Date

NMSS office in Silver Spring, Maryland; September 25, 1980.

Attendees

Combustion Engineering --

P. R. Rosenthal, Manager, Health Physics

U.S. Nuclear Regulatory Commission --

N. Ketzlach, NMSS
E. Y. Shum, NMSS
A. L. Soong, NMSS
W. T. Crow, NMSS
J. Roth, IE Region I

Discussion

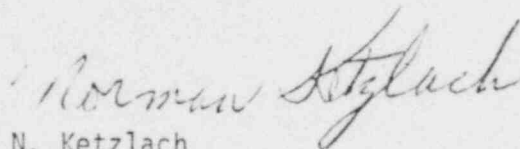
The uranium and thorium wastes were discovered in December 1979 in 168 55-gallon drums and in loose piles located in an unrestricted area of the Windsor site. The material was part of a former program for the fabrication of naval fuels and was apparently in place for approximately 20 years. The uranium enrichment varies from approximately 1% ^{235}U to 80-90% ^{235}U . A license amendment is required to possess fuel of the indicated enrichment range and to package the material for offsite burial in a licensed burial facility. The waste materials contain approximately 2.0 kg total uranium

(860 g ^{235}U) and 7.3 kg thorium. The discussion included proposed methods for packaging and criteria to meet environmental protection, radiation and nuclear criticality safety and licensing requirements. The license amendment requirements include a request for a change in authorized possession limits (enrichment and ^{235}U content), fuel handling areas, and additional environmental protection, radiation, and nuclear criticality safety criteria. A sampling plan before, during and after completion of the packaging will be described. The requested authorization will be for a specified time. The application will be divided into two parts: a license conditions (criteria) section and a demonstration section.

CE desires to complete the proposed activities before winter sets in.

Conclusion

An early submittal of a complete amendment request is necessary. The discussion and comments of NMSS personnel at the meeting should be helpful to CE in the preparation of the application.



N. Ketzlach
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Division of Fuel Cycle and
Material Safety