

1-11-89

Docket No: 070-0036

JAN 11 1989

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MEMORANDUM FOR: Leland C. Rouse, Chief, Fuel Cycle Safety Branch, NMSS

FROM: Bruce S. Mallett, Chief, Nuclear Materials Safety Branch,
Region III

SUBJECT: REQUEST FOR TECHNICAL ASSISTANCE

Attached please find a task description for the use of Oak Ridge Associated Universities' (ORAU) staff to perform confirmatory surveys at the Combustion Engineering, Inc. Hematite facility in Hematite, Missouri. We have tentatively scheduled with ORAU to perform the survey the week of January 22, 1989.

If you have any questions, please contact me or Donald Sreniawski of my staff.

Bruce S. Mallett
 Bruce S. Mallett, Chief
 Nuclear Materials Safety Branch

Attachment: As stated

cc w/attachment:
 D. A. McCaughey, NMSS
 C. E. Norelius, RIII

RIII
France/jl
 France/jl
 01/10/89

(yes)
 RIII
WJS
 Sreniawski
 01/11/89

yes
 RIII
 Mallett
 01/11/89

L-34

TASK DESCRIPTION

1. Facility: Combustion Engineering, Inc.
Post Office Box 107
Highway P
Hematite, Missouri 63047

License No.: SNM-33
Docket No.: 07000036

2. Contacts: Dave A. McCaughey, NMSS
Bruce S. Mallett, RIII
Donald J. Sreniawski, RIII
George M. France, III, RIII

3. Site Identification:

The Combustion Engineering, Inc., Hematite (CE Hematite) site Highway P, is located in Jefferson County, Missouri. This area is predominantly rural and characterized by rolling hills and woodland tracts.

CE Hematite is licensed by the NRC to produce low enriched (less than 5.0% U-235) ceramic fuel for light water reactors. All manufacturing operations are conducted within a fenced area of about 5 acres. The remainder of the site consists of 136 acres of woodlands, streams and open tracts.

4. General Work Requirements:

The Radiological Site Assessment Program of Oak Ridge Associated Universities (ORAU) will conduct a radiological assessment and confirmatory survey of the land area designated as part of GE Hematite's plant expansion. The confirmatory is required to assure that CE has complied with the conditions as stated in the letter (NMSS to CE) dated October 31, 1988. This letter indicated that NRC would confirm the soil survey results, prior to the concrete floor being constructed. CE Hematite plans to construct an additional 23,000 square feet of manufacturing and warehouse space in order to make provisions for two new uranium oxide pellet lines.

The survey should include:

- a. Area exposure readings and an assessment of the levels of contamination in the soil located in the area designated for the new building.

- b. Core sampling and radiometric analysis (isotopic determination) of soil in the area designated for expansion.
- c. An assessment of the contamination in the soil surrounding the sewer and/or drain lines. The old system has been abandoned and will not be used as drainage for the new building.

5. Responsibility/Schedule/Costs

- a. Work described in this task order shall be performed on the supervision of or delegated by Dr. James Berger, ORAU.
- b. See attached Technical Assistance Request form for schedule and estimated cost.

Attachment: Technical
Assistance Request Form

REQUEST FOR TECHNICAL ASSISTANCE (RFTA)

INSPECTOR'S NAME George M. France DATE OF REQUEST 01/10/89
REGION III BRANCH NMS ASSISTANCE COMPLETION DATE 01/27/89
LICENSEE Combustion Engineering, Inc. LOCATION Hematite, Missouri
DOCKET NO. 07000036/SNM-33

NATURE AND EXTENT OF ASSISTANCE:

Request is for professional assistance by Oak Ridge Associated Universities to perform a radiological assessment and confirmatory survey of an area designated for plant expansion at Combustion Engineering, Inc.'s Hematite facility. The work is scheduled to commence during the week of January 22, 1989.

JUSTIFICATION:

I&E 0312/FIN No: B0296-9 FY89

ESTIMATES OF TIME: 3 person/days AND COST: \$8,000.00

IF ASSISTANCE RESULTS ARE PROPRIETARY, STATE WHY:

AUTHORIZATION:

James S. Mallett
Regional Branch Chief

1/10/89
Date

APPROVED:

IE Project Officer

Date

COMMENTS: