

Docket No. 70-36
License No. SNM-33

DEC 13 1990

Combustion Engineering, Inc.
ATTN: Mr. J. A. Rode, Plant Manager
Hematite Nuclear Fuel Manufacturing
P.O. Box 107
Hematite, MO 63047

Gentlemen:

This refers to your application dated November 14, 1989, and supplement dated December 20, 1989, requesting an amendment to Materials License SNM-33 to incorporate organizational changes.

Our review of your application has identified additional information that is needed before final action can be taken on your request. The additional information specified in the enclosure should be provided as revised pages within 30 days of the date of this letter.

Please note that we have initiated our review of your application for license renewal. Revised pages reflecting this amendment request and other amendments should be forwarded under separate cover within 30 days.

If you have any questions regarding this matter, please contact Dr. Sean Soong of my staff at (301) 492-0604.

Sincerely,

Original Signed By

George H. Bidinger, Section Leader
Uranium Fuel Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure: As stated

cc: Mr. J. F. Conant, Manager
Nuclear Materials Licensing

Mr. H. E. Eskridge, Manager
Nuclear Licensing, Safety
and Accountability

Mr. C. R. Waterman, Vice President
Nuclear Fuel

Mr. A. E. Scherer, Vice President
Nuclear Quality

Distribution w/encl.

Docket No. 70-36	PDR	NRC File Center	NMSS R/F
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Request for Additional Information
Application Dated November 14 and Supplement Dated December 20, 1989
Combustion Engineering, Inc.
Hematite, Missouri
Docket No. 70-36

<u>Page</u>	<u>Comment</u>
I. 2-1	<p>In Section 2.0, a full-time professional health physicist position within the safety organization should be established. The section should include such a position, position responsibilities and minimum qualifications. The minimum acceptable qualifications for a health physicist are a bachelor's degree in science or engineering and 2 years of applied health physics experience dealing with radiation safety problems similar to those which may be found in the program to be handled.</p>
I. 2-1	<p>In Section 2.1.1, the Plant Manager should have the overall responsibility for safe operations.</p>
I. 2-4	<p>Notwithstanding Table I. 2-1, Section 2.2, of the application, the Production Superintendent must have, as a minimum, a bachelor's degree in science or engineering, with 3 years' experience in the nuclear fuel industry.</p>
I. 2-4	<p>In addition to the review in Section 2.3 of the application, the Hematite Plant Safety Committee should review, at least annually, the following:</p> <ul style="list-style-type: none">- Practices and trends for environmental protection and radiological, criticality, and industrial safety.- The adequacy of emergency planning tests and drills.- Effectiveness of the ALARA program.- Internal inspection and audit reports.- Abnormal occurrences and accidents, including recommendations to prevent recurrence. <p>The Committee's findings and recommendations for corrective actions must be reported to the Plant Manager.</p> <p>The qualifications for the Chairman and the engineering and production representatives on the Hematite Plant Safety Committee must meet the following requirements:</p> <p>The Chairman should have, as a minimum, a bachelor's degree in science or engineering, with 5 years' experience in a nuclear manufacturing management position.</p>

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- The engineering safety member must have as a minimum, a bachelor's degree in engineering, with 5 years' experience in engineering designs for process systems.
- The production safety member should have the same qualifications as the Production Superintendent.
- I. 2-5 In Section 2.5, the health physics staff must receive professional retraining at least biennially.
- This section should state that all operations which involve licensed material shall be conducted in accordance with approved written procedures.
- I. 2-6 In Section 2.6, the licensee should conduct health physics activities in accordance with approved written procedures. The procedures must be approved by the Manager, NLS&A, and reviewed and updated every 2 years.
- Any individual designated responsibility for approving operating procedures must have the same qualifications as the cognizant manager.
- I. 2-8 Notwithstanding Section 2.6b of the application, the initial nuclear criticality safety evaluation must be independently reviewed by a second individual who, as a minimum, has 2 years' experience as a Nuclear Criticality Specialist.
- I. 2-9 In Section 2.7, the radiation specialist who conducts the annual team audit must have, as a minimum, a bachelor's degree in science or engineering, with 2 years' experience in applied health physics, including uranium bioassay techniques, internal exposure controls, and radiation measurement techniques.
- Quarterly inspections as described in Section 2.7 of the application must be preplanned and must be documented. Such documentation shall be kept for 2 years.