

JAN 09 1989

Docket No. 70-36

Combustion Engineering, Inc.  
ATTN: Dr. P. L. McGill  
Vice President  
Manufacturing  
Nuclear Power Systems  
Windsor, CT 06095

Gentlemen:

This refers to the routine safety inspection conducted by Ms. M. J. Smith of this office on December 13-16, 1988, of activities at your Hematite facility authorized by NRC Special Nuclear Material License No. SNM-33, and to the discussion of our findings with Mr. J. A. Rode and others at the conclusion of the inspection.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

No violations of NRC requirements were identified during the course of this inspection.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,



L. Robert Greger, Chief  
Reactor Programs Branch

Enclosure: Inspection Report  
No. 70-36/88004(DRSS)

cc w/enclosure:  
J. A. Rode, Plant Manager  
DCD/DCB (RIDS)  
George France, RIII

RIII.  
Hys  
Smith/lms  
yes

yes  
RIII  
WGS  
Sneil  
1/5/89

yes  
RIII  
Srenawski  
1/1/89

RIII  
Greger  
1/9

L-33  
F35  
1/1

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 70-36/88004(DRSS)

Docket No. 70-36

License No. SNM-33

Licensee: Combustion Engineering, Inc.  
Nuclear Power Systems  
Windsor, CT 06095

Facility Name: Hematite

Inspection At: Hematite, Missouri

Inspection Conducted: December 13-16, 1988

Inspector: *M. J. Smith*  
M. J. Smith

*1/4/89*  
Date

Approved By: *W. Snell*  
W. Snell, Chief  
Emergency Preparedness  
and Effluents Section

*1/5/89*  
Date

Inspection Summary

Inspection on December 13-16, 1988 (Report No. 70-36/88004(DRSS))

Areas Inspected: Special inspection of the Combustion Engineering Hematite facility emergency preparedness program in the following areas: radiological contingency plan, procedures, facilities and equipment, coordination with offsite support agencies, tests and drills, and fire protection (IP 88050). The inspection involved one NRC inspector.

Results: No violations, deficiencies, or deviations were identified. The overall emergency preparedness program meets present contingency plan and license requirements. Two Open Items regarding offsite agency training and drill coordination were identified.



## DETAILS

### 1. Persons Contacted

#### Combustion Engineering, Hematite

\*J. Rode, Plant Manager

\*H. Eskridge, Nuclear Licensing, Safety and Accountability Supervisor  
G. Boyer, HP Technician

\*Key personnel who attended the exit interview on December 16, 1988.

### 2. Licensee Actions on Previously Identified Items

#### a. (Closed) Open Item No. 70-36/86003-01

Three changes needed to be incorporated into the 1987 edition of the contingency plan. Section 5.7 of the plan was changed to include the upgraded facilities at Barnes Hospital; Section 5.5.2 of the plan was changed to reflect the responsibility of the paramedic to decide the necessity of patient transfer to Jefferson Memorial Hospital; and Section 4.3 of the plan was changed to add Jefferson Memorial Hospital as an offsite assistance facility. This item is closed.

#### b. (Closed) Open Item No. 70-36/86003-02

Written Letters of Agreement with offsite support agencies were not on file. Written Letters of Agreement with offsite support agencies have been obtained and are on file. These letters have been in effect since 1987 and are reviewed biannually. This item is closed.

#### c. (Closed) Open Item No. 70-36/86003-03

The Emergency Procedures Manual should be improved to include such things as equipment locations and offsite assistance agencies information. The 1987 plan review included the addition of this information. Procedures were being reviewed and upgraded at the time of this inspection. This item is closed.

### 3. Offsite Support Agencies (IP 88050)

Discussion with responsible licensee management confirmed that offsite support agencies identified in the contingency plan had current letters of agreement on file. These letters are reviewed biannually and were due for review in the next year. Records documenting training of offsite support agencies were not available, however the licensee representative indicated that plant tours and a discussion of radiological problems were conducted for several of the offsite support groups.

The licensee's contingency plan stipulated annual drills would be conducted with offsite participation at the notification and communication level as a minimum. Drill and exercise records indicated that drill participation by offsite groups had only occurred at the minimum level of notification and communication during the last two years. Telephone interviews with three of the five major support facilities indicated an awareness of their function and responsibilities, however, they had never practiced with the licensee. During the exit meeting, this minimal amount of training with offsite groups was discussed and the licensee indicated the exercise in 1989 will involve offsite support group participation. This will be tracked as Open Item No. 70-36/88004-01.

With the exception of one Open Item, this portion of the licensee's program was acceptable.

4. Emergency Plans, Procedures, Facilities, and Equipment (IP 88050)

Emergency Plans and Procedures

The licensee was in the process of completing the annual contingency plan review at the time of this inspection. The inspector had determined that the 1987 plan revision did not downgrade the effectiveness of the licensee's ability to protect worker and public health and safety. Plan changes were reviewed and approved by the Plant Manager.

Emergency Kits, Communications, Rendezvous Facilities, and Onsite Medical Facilities

Equipment tests were conducted and adequately documented per requirements of the radiological contingency plan. The inspector inventoried the equipment storage packages located in the Emergency Assembly Area and found them complete and containing the required functional equipment. A tag on the outside of the storage package indicated the date of the last inventory and initials of responsible personnel.

The emergency call list was updated quarterly and posted at all designated areas. The call list specified personnel in order of importance. During a plant tour, the inspector found facilities readily accessible and contained emergency response and first aid equipment as indicated in the contingency plan. Procedures for employee accountability were examined and found adequate. Fire extinguishers were examined and functional tags indicated testing and replacement had been conducted at required intervals.

Based on the above review, this portion of the licensee's program is adequate.

5. Tests and Drills (IP 88050)

Implementation of Tests and Conduct of Drills

Records reviewed indicated site emergency evacuation drills were conducted on a semiannual basis, however the annual emergency exercise was not conducted separately. The drills were unannounced and conducted for

all three shifts. The drills did not include offsite notification and communication, or any offsite participation. The licensee indicated that an annual exercise will occur during the first half of 1989 and that an effort would be made to include offsite participation. Drills conducted since the last inspection in 1986 were critiqued and documented by NLS&A Supervisor. Documentation on the evaluation of plan effectiveness and required corrective actions on weak areas was not performed. The licensee was encouraged to develop a method of drill evaluation and documentation. Overall improvement of the exercise and drill program will be tracked as Open Item No. 70-36/8804-02.

6. Fire Protection (IP 88050)

Fire fighting procedures remained the same since the last inspection. A review of fire fighting procedures indicated that procedures were adequate. The licensee was in the process of changing from training several plant personnel in fire fighting techniques to appointing fire brigades for each shift and training them in fire fighting procedures. Training of fire brigade members will be conducted by offsite fire support groups.

Based on the above review, this portion of the licensee's program is adequate.

7. Exit Interview

The inspector conducted an exit interview on December 16, 1988, with several licensee representatives. The inspector discussed the scope and findings of the inspection. Emphasis was placed on offsite support participation in an annual exercise and adequate documentation of drill and exercise evaluations. The licensee was encouraged to offer training to offsite support groups and to better document all offsite coordination. The licensee indicated that none of the information discussed during the interview was proprietary.