



May 27, 1994  
ML-94-015

Docket No. 70-1100  
License No. SNM-1067

Mr. Robert C. Pierson, Chief  
Licensing Branch  
Division of Fuel Cycle Safety and Safeguards  
Office of Nuclear Materials Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington D.C. 20555

Subject: **Criticality Alarm Exemption**

- References: (A) Letter, R. C. Pierson (NRC) to G. C. Kersteen (C-E), dated October 29, 1993
- (B) Letter, E. Q. TenEyck (NRC) to R. E. Sheeran (C-E), dated December 6, 1993

Dear Mr. Pierson:

Reference (A) provided Nuclear Regulatory Commission approval of the reduced possession limits in License No. SNM-1067. Reference (B) authorized the removal of the requirement for a criticality alarm system in Buildings 6, 17 and 21. This letter provides an amendment request to SNM-1067 for an exemption as allowed in 10 CFR 70.24(d) regarding a criticality alarm system for residue at the Windsor site.

Item 7) of Part I Section 1.4 of the license application allows up to 1,000 grams U-235 at the Windsor site as residue. However, Part I Section 1.6, and License Condition S-12, specify that no more than 350 grams U-235 residue are allowed in any one location. We believe that exemption from the provisions of 10 CFR 70.24(a) for a criticality alarm is justified for the residue since no more than 350 grams U-235 are allowed in any one area.

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Mr. Robert C. Pierson  
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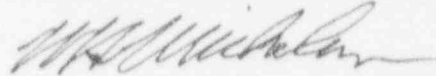
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Enclosure I identifies the affected page in the license application. Enclosure II provides the affected page; changes are indicated by a bar in the right hand margin. Six (6) copies of this letter are provided herewith for your use.

If there are questions or comments concerning this request, please feel free to call me at (203) 285-9679.

Very truly yours,

COMBUSTION ENGINEERING, INC.



Mark A. Michelsen  
Licensing Engineer

Enclosures: As Stated

cc: J. Noggle (NRC - Region I)  
S. Soong (NRC)

Enclosure I to  
ML-94-015

COMBUSTION ENGINEERING, INC.  
WINDSOR NUCLEAR FUEL MANUFACTURING FACILITY  
LIST OF AFFECTED PAGES

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**COMBUSTION ENGINEERING, INC.  
WINDSOR NUCLEAR FUEL MANUFACTURING FACILITY  
LIST OF AFFECTED PAGES**

Combustion Engineering, Inc. is updating Part I, Licensing Conditions, of its license application information concerning exemption for criticality alarms, as discussed in the accompanying transmittal letter.

The license application pages affected are as follows:

List of Affected Pages

<u>Delete Page</u>			<u>Add Page</u>		
<u>Page No.</u>	<u>Rev.</u>	<u>Date</u>	<u>Page No.</u>	<u>Rev.</u>	<u>Date</u>
I.1-4	6	1/7/94	I.1-4	7	5/27/94

Enclosure II to  
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COMBUSTION ENGINEERING, INC.  
WINDSOR NUCLEAR FUEL MANUFACTURING FACILITY  
AFFECTED PAGES

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be of a product development nature and the material may ultimately be returned to the Nuclear Fuel Manufacturing facility. These transfers shall not require the issuance of applicable NRC transfer documents, but shall be transferred in accordance with the provisions of this license, and shall be handled as a departmental transfer and shall be controlled by the Fundamental Nuclear Material Control Plan (FNMC) referenced in Section 9.0 of this application.

Buildings 1, 1A, 2, 2A, 3, 3A, 5, 6, 16, 17, 18, 21 and the Windsor site (item 7) of Section 1.4) shall be exempt from the requirement of a criticality monitoring system as specified in 10CFR70.24(a)(1). The above buildings and residues at the Windsor site are not required to have a criticality monitoring system because of the exemptions allowed in 10CFR70.24(d).

In each area where labelling of all containers is not in accordance with 10CFR20.203(f), all personnel ingress locations shall be posted with a sign stating that "Every container or vessel in this area, unless otherwise identified, may contain radioactive material."