



February 16, 1994
ML-94-009

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: **Amendment Application for SNM-1067**

Reference: (A) Letter, E. Q. TenEyck (NRC) to R. E. Sheeran (C-E), dated
January 25, 1994
(B) Letter, J. F. Conant (C-E) to C. J. Haughney (NRC), dated June 27,
1991

Dear Mr. Pierson:

10 CFR 70.22(i)(1) identifies the conditions that define the requirements for a Nuclear Regulatory Commission approved Emergency Plan as part of License No. SNM-1067. Reference (A) removed the requirement for a criticality alarm system, and in this letter the proposed limit on uranium hexafluoride eliminates the remaining applicable condition. Combustion Engineering requests that our approved Radiological Contingency Plan (Emergency Plan) be eliminated as a requirement in SNM-1067.

Simultaneous with Nuclear Regulatory Commission approval of this amendment request, Combustion Engineering withdraws its outstanding amendment application to the Emergency Plan that was submitted by Reference B.

Enclosure I provides a tabulation of affected pages and their respective revision numbers and page dates. Enclosure II provides the affected pages; changes are indicated by a bar in the right-hand margin. Six (6) copies of this letter are enclosed herewith for your use.

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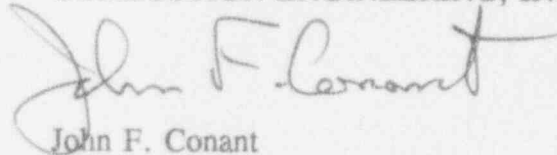
Mr. Robert C. Pierson
February 16, 1994

ML-94-009
Page 2

If there are questions or comments regarding this matter, please feel free to contact me or Mr. Reid Wolf of my staff at (203) 285-9679.

Very truly yours,

COMBUSTION ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "John F. Conant". The signature is fluid and cursive, with a long horizontal stroke at the end.

John F. Conant
Manager
Nuclear Materials Licensing

JFC:bf

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

COMBUSTION ENGINEERING, INC.

WINDSOR NUCLEAR FUEL MANUFACTURING FACILITY

LIST OF AFFECTED PAGES

Combustion Engineering, Inc. is updating Part I of its license application for the Windsor Nuclear Fuel Manufacturing Facility (License No. SNM-1067) to remove the requirement for a Radiological Contingency Plan (Emergency Plan) since there is no longer a requirement for a criticality alarm system in Buildings 6, 17, and 21 and a limit has been placed on the quantity of uranium hexafluoride that can be possessed. The affected pages are provided in Enclosure II.

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>
1	4	9/15/89	1	5	2/16/94
I.1-2	8	12/16/93*	I.1-2	9	2/16/94
I.6-1	5	4/8/92	I.6-1	6	2/16/94

* As requested in amendment application provided in Letter, J. F. Conant (C-E) to R. C. Pierson (NRC), dated December 16, 1993.

Enclosure II to
ML-94-009

COMBUSTION ENGINEERING, INC.
WINDSOR NUCLEAR FUEL MANUFACTURING FACILITY
APPLICATION CHANGE PAGES

FEBRUARY 1994

TABLE OF CONTENTS

PART I LICENSE CONDITIONS

SECTION

- 1.0 Standard Conditions and Special Authorizations
- 1.1 Name
- 1.2 Location
- 1.3 License Number
- 1.4 Possession Limits and Location
- 1.5 Section Deleted
- 1.6 Authorized Activities
- 1.7 Exemptions and Special Authorizations

- 2.0 Organization and Administration
- 2.1 Organization Responsibilities and Authority for Key Positions Important to Safety
- 2.2 Personnel Education and Experience Requirements for Key Positions Important to Safety
- 2.3 Facility Review group
- 2.4 Approval Authority for Personnel Selection
- 2.5 Training
- 2.6 Operating Procedures
- 2.7 Internal Inspections and Audits
- 2.8 Investigations and Reporting
- 2.9 Records

- 3.0 Radiation Protection
- 3.1 Special Administrative Requirements
- 3.2 Technical Requirements

- 4.0 Nuclear Criticality Safety
- 4.1 Administrative Requirements
- 4.2 Technical Requirements
- 4.3 Specific Criticality Safety Criteria

- 5.0 Environment Protection
- 5.1 Effluent Control System Commitments
- 5.2 Environmental Monitoring Program

- 6.0 Industrial Safety

- 7.0 Decommissioning Plan

- 8.0 Section Deleted

- 9.0 Fundamental Nuclear Material Control Plan (FNMCP)

1.3 License Number

Activities are covered by the License SNM-1067; Docket 70-1100.

1.4 Possession Limits & Location

Combustion Engineering, Inc., requests authorization at its Windsor site for the following quantities of radioactive materials.

	<u>Material</u>	<u>Form</u>	<u>Quantity</u>	<u>Location</u>
1)	Enriched Uranium	Any	<350 gms U ²³⁵ including that contained in <5 KG UF ₆ (NOTE 1)	Bldg. 1, 1A, 2, 2A, 3, 3A, 5, 6, 16 and 18.
2)	(DELETED)			
3)	Natural and/or Depleted Uranium	Any	10,000 KgU including that contained in <5 KG UF ₆	Bldg. 1, 1A, 2, 2A, 3, 3A, 5, 6, 16, and 18
4)	Pu238	Sealed Neutron Sources	4 sources, each containing less than 2.0 gm Pu238	Building #17
5)	Pu	Any Form	160 micrograms as analytical samples (NOTE 1)	Bldg. 1, 1A, 2, 2A, 3, 3A, 5, 6, 16, and 18
6)	U ₃ O ₈	Fission Chambers	20 chambers, each containing 1.7 gm U235 (NOTE 1)	Bldgs. 5 and 16
7)	Uranium enriched to greater than 5.0 weight percent U235	Residue	1000 gms U235	Windsor Site
8)	Uranium enriched to ≤ 5.0 weight percent U-235	Residual Uranium Oxides	700 gms U-235	Bldgs. 17 and 21

NOTE 1: The total special nuclear material of Items 1), 5), and 6) will not exceed the limitation of $\frac{\text{gms U-235}}{350} + \frac{\text{gms Pu}}{200} < 1$.

6.0

INDUSTRIAL SAFETY

The Manager, Radiological Protection and Industrial Safety shall be responsible for defining all programs and standards related to Industrial Safety, including OSHA regulations, for all activities in the Nuclear Fuel Manufacturing Facility. The Industrial Safety Specialist, reporting to the Manager, Radiological Protection and Industrial Safety, is responsible for implementing those programs and standards. The Radiological Protection and Industrial Safety Technicians monitor the day-to-day compliance. The Director, Product Development shall be responsible for ensuring compliance with all applicable industrial safety (OSHA) regulations for all activities conducted in the Product Development Laboratories under License SNM-1067. This function is satisfied by the same personnel described above for the Nuclear Fuel Manufacturing Facility. These individuals provide like services in a support role to the Product Development area.

7.0

DECOMMISSIONING PLAN

Combustion Engineering's Decommissioning Plan dated January 15, 1979 was submitted previously and is included as Appendix A to this license.

8.0

(Section deleted.)

9.0

FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN (FNMCP)

Combustion Engineering's FNMCP dated February 1980 was submitted June 11, 1980 and should be considered part of this license.