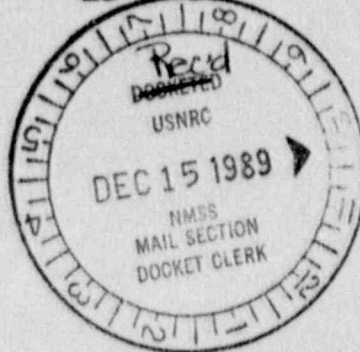


**COMBUSTION ENGINEERING**



December 11, 1989  
LD-89-138



Docket No. 70-~~396~~1100  
License No. SNM-1067

Mr. Leland C. Rouse, Chief  
Fuel Cycle Safety Branch  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material  
Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Log	Dec-89-2
Remitter	
Check No.	00507750
Amount	1.50
Fee Category	1A
Type of Fee	And
Date Check Rec'd.	12/16/89
Date Completed	12/27/89
By:	Mussie

Subject: Organization Amendment

Reference: Letter LD-89-129, A. E. Scherer (C-E) to  
D. A. McCaughey (NRC), dated November 22, 1989

Dear Mr. Rouse:

We recently advised the Nuclear Regulatory Commission (Reference) that our Vice President, Nuclear Fuel has elected to take early retirement and that Dr. S. T. Brewer has appointed Mr. C. R. Waterman to be acting Vice President, Nuclear Fuel.

As an interim step to re-organizing the Nuclear Fuel Department, we have elected to eliminate the position of Vice President and General Manager and re-create the more traditional position of Plant Manager. Furthermore, it is our intent to appoint Mr. R. E. Vaughan as acting Plant Manager. Mr. Vaughan will retain his concurrent designation as Emergency Director and will report to the Vice President, Nuclear Fuel. More details on the organization changes are provided in the Enclosures.

Combustion Engineering believes that these organizational changes will not degrade the Radiological Contingency Plan, the Fundamental Nuclear Material Control Plan, or our Physical Security Plan. The changes to these documents will be made within the time frames prescribed by regulations.

Power Systems  
Combustion Engineering, Inc.

1000 Prospect Hill Road  
Post Office Box 500  
Windsor, Connecticut 06095-0500

(203) 688-1911  
Telex: 99297

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PDR ADUCK 07001100  
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CONTROL NO. 26180

DATE OF DOC. Dec. 11, 1989

DATE RCVD. Dec. 15, 1989

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FCAF \_\_\_\_\_ LPDR \_\_\_\_\_

I & E REF.

SAFEGUARDS

FCTC \_\_\_\_\_ OTHER \_\_\_\_\_

DATE 12/15/89 INITIAL JAC

Mr. L. C. Rouse  
December 11, 1989

LD-89-138  
Page 2

Enclosure I provides a tabulation of affected pages. Enclosure II supplies the license amendment change pages, and Enclosure III is a check in the amount of \$150.00 to cover this license amendment request as required by 10CFR170.31. Ten (10) copies of Enclosures I and II are included for your use.

If I can be of any assistance in this matter, please do not hesitate to contact me or Mr. J. F. Conant of my staff at (203) 285-5002.

Very truly yours,

COMBUSTION ENGINEERING, INC.



A. E. Scherer  
Director  
Nuclear Licensing

AES:jeb

Enclosures: As Stated

cc: D. McCaughey (NRC)  
J. Roth (NRC - Region I)

ENCLOSURE I  
COMBUSTION ENGINEERING, INC.  
WINDSOR FUEL MANUFACTURING FACILITY  
REQUEST FOR LICENSE AMENDMENT  
LIST OF AFFECTED PAGES

DECEMBER, 1989

WINDSOR FUEL MANUFACTURING FACILITY  
REQUEST FOR LICENSE AMENDMENT

Combustion Engineering requests that the application for license (SNM-1067), for the Windsor Fuel Manufacturing Facility, be amended to reflect changes which have been made to the organization structure. Changes are denoted by a bar in the right hand margin of each affected page. The proposed change pages are provided in Enclosure II.

The application pages affected by this amendment and their respective revision numbers are listed below:

<u>Deleted Page</u>		<u>Added Page</u>	
<u>Page No.</u>	<u>Rev.</u>	<u>Page No.</u>	<u>Rev.</u>
I.2-1	04	I.2-1	05
I.2-2	04	I.2-2	05
I.2-5	04	I.2-5	05
I.2-6	06	I.2-6	07
I.2-8	06	I.2-8	07
I.2-9	05	I.2-9	06
I.2-10	05	I.2-10	06
I.2-14	06	I.2-14	07
I.2-15	04	I.2-15	05
I.3-1	06	I.3-1	07
II.3-1	04	II.3-1	05
II.3-2	04	II.3-2	05
II.3-4	04	II.3-4	05
II.3-5	04	II.3-5	05
II.3-26	04	II.3-26	05

ENCLOSURE II  
COMBUSTION ENGINEERING, INC.  
WINDSOR FUEL FABRICATION FACILITY  
REQUEST FOR LICENSE AMENDMENT  
PROPOSED LICENSE APPLICATION PAGES

DECEMBER, 1989

## 2.0 Organization and Administration

The President, Nuclear Power Businesses has the ultimate responsibility for ensuring that corporate operations related to the Nuclear Power Businesses Division are conducted safely and in full compliance with applicable Federal, State and local regulations, licenses and certificates of compliance. The President has delegated the responsibility for nuclear fuel manufacturing and product development activities to the Vice President, Nuclear Fuel.

### 2.1 Organization Responsibilities and Authority for Key Positions Important to Safety

#### 2.1.1 Plant Manager

The Plant Manager, Windsor Nuclear Fuel Manufacturing reports to the Vice President, Nuclear Fuel. He or she has the overall responsibility for the safe operation of Combustion Engineering's nuclear fuel manufacturing facility located Windsor, Connecticut (SNM-1067). His or her responsibilities encompass the following functions: operations, accountability, security, training, criticality, radiological and industrial safety, environmental protection, transportation, materials handling and storage, licensing, process and equipment engineering and maintenance. These responsibilities are administered through the professional staff of both fuel manufacturing facilities and the technical staff of Combustion Engineering's Nuclear Power Businesses Division.

#### 2.1.2 Director, Product Development

The Director, Product Development reports to the Vice President, Nuclear Fuel and is responsible for the management of nuclear fuel product development laboratory activities (SNM-1067). This responsibility encompasses the following functions: operations, accountability, security, training, criticality, radiological and industrial safety, environmental protection, materials handling and storage, and licensing. The Director is supported in executing these responsibilities by a professional staff reporting directly to him, by members of the Windsor Nuclear Fuel Manufacturing facility staff and by other professionals within the Nuclear Power Businesses Division, as necessary.

### 2.1.3 Program Manager, Radiological and Industrial Safety

The Program Manager, Radiological and Industrial Safety reports to the Vice President, Nuclear Fuel and is responsible for defining programs and standards related to radiological, criticality and industrial safety, environmental protection and emergency planning for both the fuel manufacturing facility and the product development laboratories. The programs and standards address safety criteria, monitoring, procedures and training materials necessary to ensure the protection of employees, the public and the environment.

The Program Manager, Radiological and Industrial Safety has no production responsibility. He or she has the authority to halt any operation in the fuel manufacturing facility or product development laboratories that he or she believes presents a safety hazard to employees, the public or the environment. If any operation is halted for a safety reasons(s) it shall not be restarted without the concurrence of the Program Manager or his/her designee. A person with the credentials of the Senior Criticality Specialist will approve the execution of those aspects of the Program Manager's function which relate to criticality safety.

### 2.1.4 Senior Criticality Specialist

The Senior Criticality Specialist may be a member of the technical staff of the Nuclear Fuel organization or an outside consultant who reports in a functional manner to the Program Manager, Radiological and Industrial Safety. He or she provides assistance to the Program Manager in executing those aspects of the Program Manager's function which relate to criticality safety. The Senior Criticality Specialist also serves as the second reviewer for Criticality evaluations performed by the Nuclear Criticality Specialist (first reviewer).

The Senior Criticality Specialist has no production responsibilities. The Senior Criticality Specialist has the authority to halt any operation in the fuel manufacturing facility or product development laboratories that he or she believes to represent an unsafe criticality condition. If an operation is halted for a criticality safety reason(s) it shall not be restarted without the concurrence of the Program Manager, Radiological and Industrial Safety or his/her designee.

### 2.1.5 The Manager, Radiological Protection and Industrial Safety

The Manager, Radiological Protection and Industrial Safety reports to the Plant Manager. The



#### 2.1.10 Radiological Protection and Industrial Safety Technicians

The Radiological Protection and Industrial Safety Technicians report to the Supervisor, Radiological Protection and Industrial Safety. The Technicians are responsible for the day-to-day monitoring of operations at the fuel manufacturing facility and the product development laboratories. Monitoring is accomplished through the collection of data which allows the effectiveness of radiological, criticality and industrial safety, environmental protection and emergency planning programs to be assessed. Technicians also monitor the proper implementation of Radiation Work Permits. The Radiological Protection and Industrial Safety Technicians have no production responsibilities.

#### 2.1.11 Manager, Production

The Manager of Production reports to the Plant Manager. He or she is responsible for the planning, scheduling and control of the production process for the fabrication of fuel assemblies and their subsequent shipment to meet customer needs. Facility process/equipment operators are under the cognizance of the Production Manager. He or she is responsible for ensuring the proper training of personnel and that procedures and safety limits are followed. The Production Manager also oversees material and equipment purchasing, receiving, warehousing and inventory control.

#### 2.1.12 Manager, Manufacturing Engineering

The Manager of Manufacturing Engineering reports to the Plant Manager. Engineering activities related to facility equipment, process, methods and construction, whether new or a modification are directed by the Manager of Manufacturing Engineering. As part of this responsibility he or she assures that ALARA is considered as part of the design process. The Manager is also responsible for equipment maintenance at the fuel manufacturing facility. Through the appropriate engineering design, he or she ensures that radiological, criticality and industrial safety as well as environmental protection requirements are satisfied. He or she is also responsible for the preparation of procedures and training materials concerning facility equipment and the manufacturing process.

### 2.1.13 Emergency Director

The Emergency Director reports to the Vice President, Nuclear Fuel. In this capacity he or she coordinates the actions of the emergency response team members (for both on- and off-site support). The Emergency Director shall remain in control of emergency operations until the situation is stabilized or terminated depending on the severity of the incident. The Emergency Director has authority to direct recovery operations for any emergency condition which may arise in the Nuclear Fuel Manufacturing facility or Product Development laboratories. The Emergency Director may designate qualified alternates.

## 2.2 Personnel Education and Experience Requirements for Key Positions Important to Safety

### 2.2.1 Plant Manager

The minimum qualifications for this position are a bachelor's degree in one of the sciences or engineering, with ten (10) years experience, including at least five (5) years in management positions in the nuclear industry.

### 2.2.2 Director, Product Development

The minimum qualifications for this position are a bachelor's degree in one of the sciences or engineering, with ten (10) years experience, including at least five (5) years in management positions relating to product development activities in the nuclear industry.

### 2.2.3 Program Manager, Radiological and Industrial Safety

The minimum qualifications for this position are a bachelor's degree in one of the sciences or engineering, with four (4) years experience in health physics, including two (2) years in operational health physics with uranium bioassay techniques, internal exposure controls and radiation measurement techniques.

### 2.2.4 Senior Criticality Specialist

The minimum qualifications for this position shall be a bachelor's degree in one of the sciences or engineering, with two (2) years experience performing the duties of a Nuclear Criticality Specialist.

2.2.10 Radiological Protection and Industrial Safety Technicians

The minimum qualifications for this position are a high school diploma with one (1) year of experience in at least one of the safety related areas within his or her cognizance. Technicians shall also complete a facility specific training program(s) in safety related areas within their area(s) of cognizance.

2.2.11 Manager, Production

The minimum qualifications for this position are a high school diploma with five (5) years experience in the nuclear industry. At least three (3) years of experience shall be in production coordination positions.

2.2.12 Manager, Manufacturing Engineering

The minimum qualifications for this position are a bachelor's degree in one of the sciences or engineering, with three (3) years experience in the nuclear industry.

2.2.13 Emergency Director

The Emergency Director shall be a member of the Nuclear Fuel management team and shall be familiar with the Nuclear Fuel Manufacturing and Product Development processes and facilities. He or she shall be familiar with the emergency plan and the implementing procedures for the Nuclear Fuel Manufacturing facility and Product Development laboratories.

Alternate Emergency Director designees shall be selected from the Nuclear Fuel Manufacturing or Product Development supervisory levels or above. Alternates shall also be familiar with the emergency plan and the implementing procedures for the Nuclear Fuel Manufacturing facility and Product Development laboratories.

2.3 Facility Review Group

The Nuclear Fuel Manufacturing facility and Product Development laboratory operations are monitored by a Facility Review Group. The Facility Review Group reports to the Vice President, Nuclear Fuel and is responsible for oversight of safety related operations.

The Facility Review Group is composed of senior personnel from the technical staff of Combustion Engineering's Nuclear Power Businesses organization that have at least five (5) years experience in the nuclear industry. The overall function of the Facility Review Group is to review operations on a regular basis. In order to execute this responsibility, the Group will meet at least quarterly to review operations and more often if deemed necessary by the Chairperson.

As a minimum, the Group shall perform the following specific functions:

- Review environmental protection practices and trends.
- Review radiological safety practices and trends.
- Review criticality safety practices and trends.
- Review industrial safety practices and trends.
- Review the adequacy of emergency planning tests and drills.
- Review effectiveness of the ALARA program.
- Review internal inspection and audit reports.
- Review abnormal occurrences and accidents, including recommendations to prevent recurrence.
- Review physical facility changes in the Pellet Shop and changes to operations involving radiation and/or nuclear criticality safety.

The Chairperson of the Facility Review Group or the Vice President, Nuclear Fuel may request the Group to examine other areas deemed appropriate.

The Group may establish subcommittees and/or use consultants, as necessary, to carry out its various responsibilities. Findings, however, shall be those of the Group and not just that of the subcommittees or consultants. If there are dissenting opinions, they shall be incorporated in the Group report. It is the responsibility of the Line Managers in the fuel manufacturing facility and the Director of Product Development to ensure that deficiencies identified by the Group, in their area of cognizance, are addressed.

As a minimum, the Group shall also prepare a quarterly report summarizing the facility operations with emphasis on compliance with the various safety programs and standards which form the basis for the detailed facility operating procedures and safety limits. The reports shall also address the effectiveness of the ALARA program.

Findings and recommendations (if any) of the Group shall be reported to the Plant Manager and the

Director of Product Development with copies to Line Managers, the Vice President, Nuclear Fuel and the President of Nuclear Power Businesses. Records of the Groups findings shall be retained for a period of three (3) years from the date of issue or until closure of issues is obtained, whichever is later.

#### 2.4 Approval Authority for Personnel Selection

The Plant Manager and each of his direct reports, which are in key positions important to safety, shall be approved by the next two (2) levels of management above the position to be filled. Other staff positions are filled following the normal administrative practices of Combustion Engineering, Inc.

The Director, Product Development and each of his direct reports, which are in key positions important to safety and are involved in activities within the scope of this application, shall be approved by the next two (2) levels of management above the position to be filled. Other staff positions are filled following the normal administrative practices of Combustion Engineering, Inc.

Chairmanship of, and membership on, the Facility Review Group shall be by appointment of the Vice President, Nuclear Fuel.

#### 2.5 Training

In addition to on-the-job training and training in special operational skills, employees and visitors to the Windsor Nuclear Fuel Manufacturing facility or the Product Development laboratories participate in formal (classroom) training programs to ensure a basic understanding of facility operations and safety requirements. The degree of training an individual receives is commensurate with the extent to which he or she will require unescorted access to these facilities or will come into contact with nuclear materials or other hazardous materials or operations that are a part of the manufacturing process or product development activities. Escorted visitors do not require any training. Guidelines shall be established which denote the various types of training conducted and classifications for employees and visitors with respect to what training/refresher training is required. All safety related training shall be conducted by an individual well versed with the specific training subject matter.

## 2.7.2 Audits

Audits are performed by individuals independent of day-to-day operating activities being audited at the Nuclear Fuel Manufacturing facility or Product Development laboratories to verify that operations are being conducted according to established criteria. Audits are conducted in accordance with a written plan. A report documenting audit results is prepared and distributed to the Plant Manager and the Director Product Development, with copies to Nuclear Fuel Manufacturing facility Line Managers and the Chairperson of the Facility Review Group.

The Program Manager, Radiological and Industrial Safety shall ensure the conduct of quarterly audits of the Radiation Protection, Criticality Safety, Fire Safety, Hazardous Material (non-radioactive) Safety, and Environmental Protection Programs in use at the Nuclear Fuel Manufacturing facility and Product Development laboratories. These audits shall be conducted by the Program Manager, members of his/her staff or consultants. The purpose of the audit is to verify the adequacy of program implementation and that designated limits and controls are being properly followed. Individual(s) conducting audits in either the areas of radiological or criticality safety shall meet the qualification requirements of the Program Manager, Radiological and Industrial Safety or the Senior Criticality Specialist, respectively.

Records of audit reports shall be retained for a period of three (3) years from the date of issue or until closure of findings is obtained, whichever is later.

### 2.7.2.1 Safety Committee Oversight

An independent safety committee shall conduct an annual audit of nuclear fuel manufacturing and product development operations involving licensed material covered by this application. The safety committee shall be appointed by and report to the President, Nuclear Power Businesses and be comprised of senior engineers and scientists from within the Nuclear Power Businesses technical community. The Committee may establish subcommittees and/or use consultants, as necessary, to carry out its responsibilities. Written audit findings shall be provided to the President, Nuclear Power Businesses; Vice President, Nuclear Fuel; Plant Manager; Director, Product Development; and the Chairperson of the Facility Review Group.

Audit findings, as well as documentation of corrective actions shall be retained for a period of three (3) years

from the date of issue or until closure of findings is obtained, whichever is later.

## 2.8 Investigations and Reporting

Abnormal occurrences are investigated in accordance with written procedures and are reported to the Plant Manager, Windsor Nuclear Fuel Manufacturing or the Director, Product Development, as appropriate. Reports to the Nuclear Regulatory Commission are made in accordance with specific conditions of this application and/or the applicable Federal Regulations. Regulatory Guide 10.1, Compilation of Reporting Requirements for Persons Subject to NRC Regulations, is used as a guide in identifying applicable reporting requirements. The level of investigation and the need for corrective action are determined based on the severity of the incident. The severity of an incident is based on the levels of uranium released and/or the degree of potential for exposure to workers or the public. An Abnormal Occurrence Review Committee is charged with the responsibility for investigating abnormal occurrences and recommending corrective action(s), as appropriate. The Committee is comprised of Line Managers from the Nuclear Fuel Manufacturing organization.

Records of investigations of abnormal occurrences reported to the Nuclear Regulatory Commission are retained for a period of three (3) years after closure of the investigation.

## 2.9 Records

Records pertaining to health and safety, facility modifications, abnormal occurrences, criticality analyses, inspections, audits, instrument calibrations, ALARA findings, employee training and refresher training, personnel exposures, routine radiation and contamination surveys and environmental surveys are retained to demonstrate compliance with the conditions of this application and the applicable Federal, State and local regulations. Records are retained for the periods specified in this application or the governing regulations, whichever is longer.

- 3.0        Radiation Protection
- 3.1        Special Administrative Requirements
- 3.1.1     ALARA Commitment

It is the policy of Combustion Engineering to conduct its business in a manner which assures that its Nuclear Fuel Manufacturing Facilities and Product Development Laboratories are in compliance with radiation protection and other applicable regulations, and that the operation of these facilities will not be detrimental to the environment. In implementing this policy, Combustion Engineering shall assure that radiation exposure to personnel (both in-plant and off-site) is maintained As Low As Reasonably Achievable (ALARA). In providing this assurance, conditions of applicable NRC and state licenses and other regulatory permits or licenses shall be complied with and regard shall be given to applicable NRC regulatory guides and industry standards. For activities carried out within the scope of this application, responsibility for establishing and ensuring adherence to this policy shall rest with the Plant Manager, Windsor Nuclear Fuel Manufacturing and the Director, Product Development. This policy shall be implemented through appropriate delegations to the Program Manager, Radiological and Industrial Safety, the applicable Line Managers, and the Facility Review Group.

- 3.1.2     Radiation Work Permit Procedures

All work with radioactive materials in the Product Development Laboratories and, all non-routine maintenance or repair operations on equipment involved with handling radioactive material within



### 3.0 Organization and Personnel

Functions of key positions important to safety, specifics on education and experience required for key positions important to safety, operating procedures, and training are described in Part I, Chapter 2.0 - Organization and Administration. The Windsor Nuclear Fuel Manufacturing facility and Product Development organization structure is depicted in Figure 3.1.1.

### 3.1 Functions of Key Personnel

The function, responsibilities and authorities, of key personnel important to safety are described in Part I, Section 2.1 of this application. This section provides similar information for the remaining personnel holding key line management positions.

#### 3.1.1 Manager, Nuclear Materials Licensing

The Manager, Nuclear Materials Licensing reports to the Director, Nuclear Licensing, who reports functionally to the Vice President, Nuclear Fuel and has responsibility for licensing of Combustion Engineering's Nuclear Fuel Manufacturing and Product Development activities. This responsibility is executed by identifying applicable NRC regulations and ensuring that they are appropriately addressed in applicable licenses and certificates of compliance, as necessary.

#### 3.1.2 Manager, Nuclear Materials

The Manager of Nuclear Materials reports to the Vice President, Nuclear Fuel. Nuclear materials control relating to the receipt, storage, use and transfer of special nuclear material (SNM); the accounting and locating of SNM; preparation/revision/submittal of the Fundamental Nuclear Material Control Plan; quantity accountability and maintenance of records relating to the operating, receipt and storage of SNM are directed by the Nuclear Materials Manager. In order to execute these functions, he defines the Materials Control and Accountability Program used by the Windsor Nuclear Fuel Manufacturing facility.

The Manager of Nuclear Materials has no production responsibility and he has no hands on responsibility for nuclear materials. He or she also provides an audit function for Combustion Engineering's nuclear fuel manufacturing facilities to ensure compliance of operations personnel with the requirements of the Materials Control and Accountability Program.

### 3.1.3 Manager, Quality Assurance

The Manager of Quality Assurance reports to the Vice President, Nuclear Fuel. Quality control and quality assurance functions are under the direction of the Quality Assurance Manager. He or she is responsible for establishing quality control inspection procedures to ensure that manufacturing operations produce a product that meets or exceeds customer specifications. He or she also prepares and implements the Quality Assurance Manual for the Windsor Nuclear Fuel Manufacturing facility.

The Manager, Quality Assurance has no production responsibility. He has the authority to shutdown operations which inspection reveals are not producing a product consistent with customer specifications.

### 3.1.4 Manager, Accountability and Security

The Manager of Accountability and Security reports to the Plant Manager. The implementation of the Fundamental Nuclear Material Control Plan, maintaining custodial control of nuclear materials, warehousing when not under the control of the Production Manager and management of radioactive waste are the responsibility of the Manager of Accountability and Security. He or she maintains nuclear materials measurement control systems and records of nuclear materials in the production process. He or she is also responsible for the preparation and implementation of the Physical Security Plan and oversight of the security force for the Windsor Nuclear Fuel Manufacturing facility.

### 3.1.5 Operations Supervisors

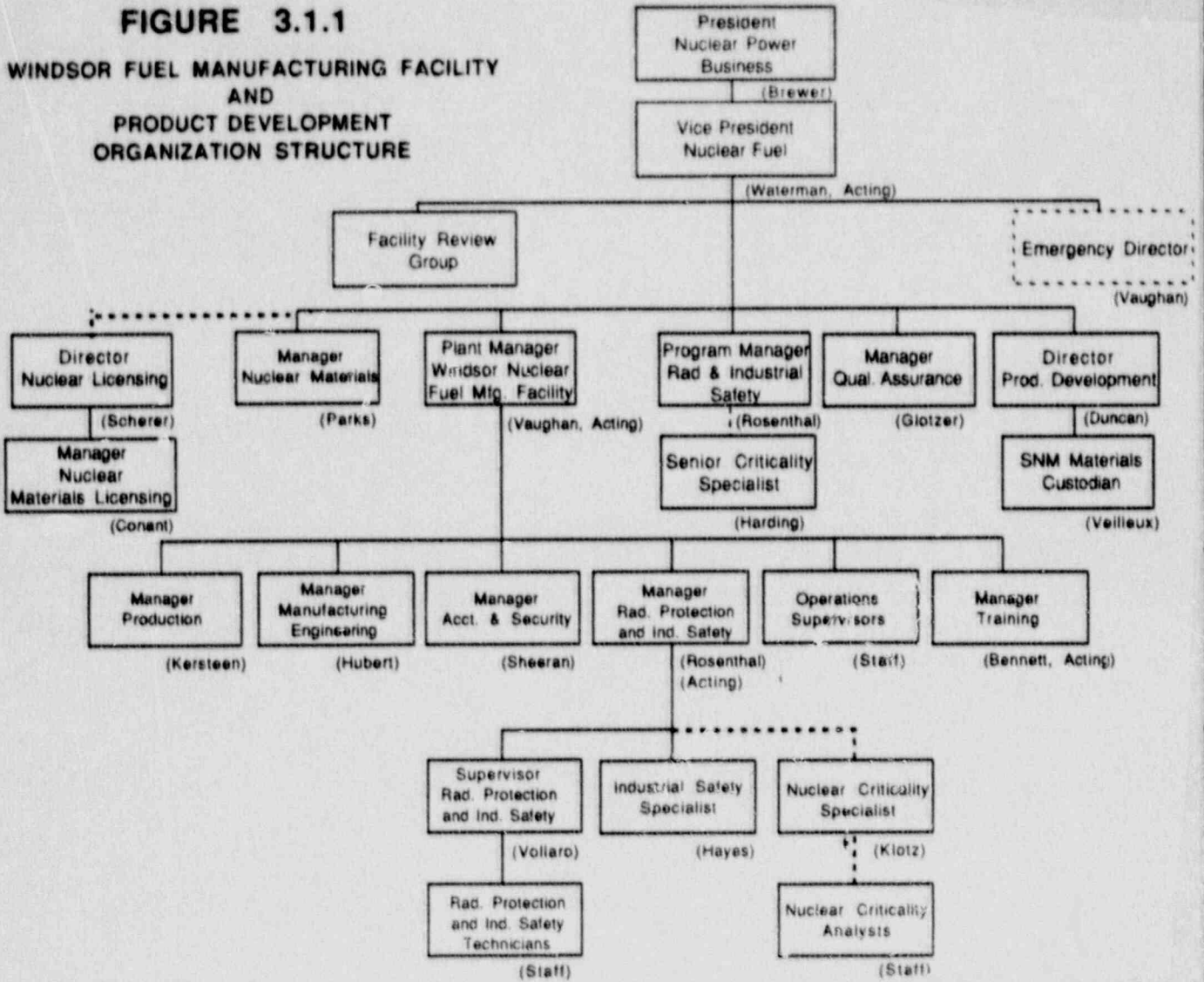
The Operations Supervisors report to the Plant Manager. They are responsible for the coordination of activities amongst Line Managers to ensure that the facility production goals are satisfied within the limits imposed by Federal, State and local regulations, this license application, certificates of compliance and other permits, as applicable.

### 3.1.6 Manager, Training

The Manager of Training reports to the Plant Manager. He or she is responsible for the training program for facility personnel as well as other Combustion Engineering employees or visitors that require unescorted access to the facility. The Manager assures that

**FIGURE 3.1.1**

**WINDSOR FUEL MANUFACTURING FACILITY  
AND  
PRODUCT DEVELOPMENT  
ORGANIZATION STRUCTURE**



**CHARLES R. WATERMAN - Vice President, Nuclear Fuel (Acting)**

EDUCATION

B. S. Electrical Engineering, Tri-State College, 1957

EXPERIENCE

COMBUSTION ENGINEERING, INC.  
Windsor, Connecticut

Vice President and General Manager, Jan. 1989 to Present  
Nuclear Fuel Manufacturing

Overall responsibility for the safe operation of Combustion Engineering's nuclear fuel manufacturing facilities located in Hematite, Missouri and in Windsor, Connecticut. Continuing responsibility as the Plant Manager for the Windsor Nuclear Fuel Manufacturing facility.

Plant Manager, 1988 to Jan. 1989  
Windsor Nuclear Fuel Manufacturing

Responsible for day-to-day manufacturing operations, accountability, security, nuclear criticality safety and radiological safety related to all special nuclear and source material received by Windsor Nuclear Fuel Manufacturing and used in any manufacturing process. Assured compliance with Federal and State and local regulations and the requirements and limitations set forth in facility license SNM-1067.

Director, Outage Services 1986 to 1988

Responsible for management of outage services, for development test and application of maintenance and inspection services provided to nuclear utilities. These services included integrated refueling and maintenance outages, fuel services, major plant retrofits, full steam generator services using advanced remote controlled devices designed and built by outage services. Responsible for all aspects of compliance with Windsor facility NRC by-product license.

Responsible for the operation of Amdata, Inc., a wholly owned subsidiary of CE. Amdata designs and manufactures advanced ultrasonic imaging equipment and inspection services for the Nuclear, Oil and Gas and Aerospace industries.

President/General Manager 1985 to 1986  
CE/Delas Weir, Inc.

Responsible for strategic direction of this joint venture company as well as day-to-day operations. CE/Delas Weir

**RAYMOND E. VAUGHAN** - Plant Manager, Windsor Nuclear Fuel  
Manufacturing (Acting) & Emergency  
Director

EDUCATION

M. S., Systems Management, University of Southern California,  
1975

B. S., Marine Engineering, U.S. Naval Academy, 1963

Supplemental Education:

Naval Submarine Prospective Commanding Officer School, 1978

Naval Submarine and Nuclear Power School, 1965

EXPERIENCE

COMBUSTION ENGINEERING, INC.

Manager, Operation - Windsor Nuclear Fuel 1989 to Present  
Manufacturing Facility

Responsible for overall coordination of activities amongst all Line Managers to ensure that the facility production goals are satisfied within the limits imposed by Federal, State and local regulations. Also serve as Emergency Director for nuclear fuel manufacturing facility and product development laboratories emergency response team.

Nuclear Fuels Independent Task Force Aug 1988 to 1989

Assigned to an eleven-member Independent Task Force established to conduct an audit of C-E's Windsor Nuclear Fuel Manufacturing Facility. Audit results determined the status of compliance with applicable license conditions and regulatory requirements. Areas of review included; manufacturing operations, nuclear criticality safety, radiological controls, health physics, industrial and environmental safety, maintenance, licensing, training, emergency preparedness, and organizational and management effectiveness.

Manager, Nuclear Startup 1983 to 1988

Responsible for the organization and direction of a multi-disciplinary engineering staff providing a wide range of engineering services at nuclear power plants. Directed the establishment and administration of the C-E Site Startup offices at projects in which the Nuclear Steam Supply System was provided by C-E.

Docket No. 70-1100  
License No. SNM-1107

ENCLOSURE III

COMBUSTION ENGINEERING, INC.  
WINDSOR FUEL FABRICATION FACILITY  
REQUEST FOR LICENSE AMENDMENT  
\$150.00 CHECK FOR APPLICATION FEE

DECEMBER, 1989