



B&W FUEL COMPANY

An American Company with Worldwide Resources

70-1201

BW

P.O. Box 11546
Lynchburg, VA 24506-1546
Telephone: 804-522-6000

January 4, 1991

Mr. Charles Haughney
Uranium Fuel Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Safety, NMSS
Nuclear Regulatory Commission
Washington, D.C. 20555

REFERENCE: SNM-1168 License, Docket 70-1201

Dear Mr. Haughney:

B&W Fuel Company requested an amendment to the above referenced docket to support a new facility designated as SERF-3. Upon NRC review, B&W has been asked to address the fire protection program in sections 6.2 and 10.5 for the new facility. These changes have been included as requested and six copies of the affected license pages, 6-3 and 10-12, dated January 4, revision 1 are being submitted for your approval. The revisions are identifiable by a side bar.

If you should have any questions regarding this amendment, please feel free to call me at (804) 522-6202.

Sincerely,

B&W FUEL COMPANY
COMMERCIAL NUCLEAR FUEL PLANT

Kathryn S. Lester

Kathryn S. Lester
Manager, Safety & Licensing

9101140143 910104
PDR ADOCK 07001201
C PDR

1/1
NF12

6.2 Fire Protection

with operational requirements. Supervision is responsible for assuring that areas under their cognizance are maintained in accord with good housekeeping and fire prevention practice.

- 6.2.1 Flammable liquids shall be stored in approved containers.
- 6.2.2 Fire extinguishing systems compatible with area nuclear safety requirements shall be installed or provided in accord with insurance and federal regulations. The above systems shall include portable extinguishers of a type (pressurized water, CO₂ and dry chemical) and size based on the potential hazard. Agents such as "Metl-X" are available in areas where metal fires may occur. Sprinkler systems and other water-type extinguishing systems are not installed in moderation controlled areas.
- 6.2.3 As part of its emergency program, the CNFP organization shall include a "fire brigade" staffed by qualified personnel, familiar with basic fire fighting techniques, the equipment available for their immediate use onsite, and the nuclear safety and health physics considerations that are involved. Fire Brigade members shall be retrained at least annually.
- 6.2.4 Areas under moderation controls shall be prominently posted and approved fire fighting techniques defined. Deviations from the posted techniques can be approved only by one of the following members of the CNFP Emergency Team:
- Plant Manager, Emergency Officer, Health-Safety Officer
- During periods when the plant is not in operation, at least two tours per shift shall be made by a representative of the security force or a CNFP employee.
- 6.2.5 An early warning fire detection/alarm system shall be installed in the S-1 storage facility. The system shall alarm at the continuously manned guard house. Further precautions, detailed in 10.5 of this document, will also be implemented.
- 6.2.6 A sprinkler system shall be installed and maintained in the SERF-3 in accord with NFPA codes. Further precautions, outlined in 10.5 of this document, will also be implemented.

10.5 Fire Protection

10.5.4 Fire Brigade

As part of its fire protection program, the CNFP organization shall include a "fire brigade" staffed by qualified personnel, familiar with basic fire fighting techniques, the equipment available for their immediate use onsite, and the nuclear safety and health physics considerations that are involved. Fire Brigade members shall be retrained at least annually.

10.5.5 Offsite Support

Arrangements have been made for assistance from local area fire departments. They have been informed of B&W's operations, materials, and characteristics of potential fires and have toured the facilities.

10.5.6 S-1 Storage Facility

The storage of flammable, combustible, or reactive liquids in the S-1 building will be strictly prohibited. No burning, welding or other ignition will be permitted. If welding or such other hot working operations are mandated, a pre-operational evaluation shall be performed under the direction of the SRB chairman and shall be monitored for compliance until the operation has been officially terminated. Smoking will be prohibited at all times.

10.5.7 SERF-3

The building denoted as SERF-3 incorporates a sprinkler system installed throughout the facility to NFPA 13 code. The alarm for the sprinkler system is audible locally and at the guard house which is manned continuously.

Portable fire extinguishers are available throughout the building in accord with NFPA 10. Fire watches shall be conducted while performing hot working operations and controlled by the use of the local safety rules.

All systems shall be maintained in accord with NFPA codes.