

September 20, 1982

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T.F. B 7.1.2

United States Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Ms. Janis B. Kerrigan, Acting Chief  
Licensing Branch 3  
Division of Licensing

References: (a) Construction Permit CPPR-135 and CPPR-136, Docket  
Nos. 50-443 and 50-444  
(b) PSNH Letter, dated April 1, 1982, "Seabrook Station Fire  
Protection Program", J. DeVincentis to F. J. Miraglia

Subject: Fire Protection System

Dear Ms. Kerrigan:

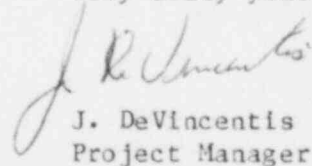
Based on discussions with the Staff, we wish to make the following revisions to "Seabrook Station Fire Protection Program Evaluation and Comparison to BTP APCS 9.5-1, Appendix A, Revision 1, April 1982", submitted via Reference (b).

First, Section B, Table 1 lists the fire detection and suppression methods by fire area and fire zone. We wish to supplement that table with the attached information which lists those safety-related areas where we will not provide detection and provides justification for that decision.

Second, we will agree to the placement of a curb in the doorway between the Train A and Train B Switchgear Rooms and in the doorway between the Train A Switchgear Room and the non-essential Switchgear Room. If it is necessary to use water in one of the rooms to suppress a fire, the curb will prevent the water from flowing into the other room.

We trust that the information adequately responds to the concerns expressed by the Staff during their review of the Seabrook Station Fire Protection Systems.

Very truly yours,

  
J. DeVincentis  
Project Manager

8002

JDV/ba  
Attachment

Identification of areas/zones which contain safety related equipment and/or equipment required for safe shutdown where fire detection will not be installed.

The attached table lists those safety-related areas where we do not feel that installation of fire detection is necessary. The justification for those areas is contained here.

1. CONTAINMENT

C-F-3-Z, Containment Floor

The Containment Operating Floor has very little equipment and cables that are safety-related. Recirc Fans 3A and 3B, together with their supply cables, are the only pieces of equipment. Detection has been installed in other areas of the containment where there are concentrations of combustibles. We feel that, because of the lack of combustibles in this area, there is no need for detection; and we do not intend to furnish any.

2. MAINSTEAM AND FEEDWATER PIPE ENCLOSURES

MS-F - 1A-Z, 1B-Z, 2A-Z, 2B-Z, 3A-Z, 3B-Z, 5A-Z

All these enclosures were previously addressed in the Seabrook Appendix R Comparison document. They all contain some safety-related equipment, i.e. pipes, valves, instrument racks, and a minimum amount of cabling. Because of the low level of combustibles in these zones, we feel there is no need for detection; and do not intend to furnish any.

3. CONTROL BUILDING

CB-F-2B-A and 2C-A

These rooms each contain two fans and a small amount of cabling. Additionally, they are separated from adjoining areas by 3-hour fire barriers. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

CB-F-3B-A

This area contains the air conditioning for the Control Room. It is listed as safety-related, but is not necessary to safely shutdown the plant in case of fire. The amount of cabling is limited, and the room is cut off from adjoining areas by 3-hour walls. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

4. DIESEL GENERATOR BUILDING

DG-F-3E-A, 3F-A

The only safety-related equipment in these two areas are the air intake filters and the exhaust silencers for their respective diesels. The area is cut off from adjoining areas by 3-hour fire barriers. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

5. PRIMARY AUXILIARY BUILDING

PAB-F-2A-Z, 2B-Z

The major pieces of equipment in these two areas are the Resin Fill Tank (2A-Z) and the Boric Acid Tank (2B-Z). In addition, there is some piping and valves, and a small amount of cable. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

PAB-F-3A-Z

The only safety-related equipment in this zone is piping and valves, along with some cabling. Other equipment consists of various tanks and heat exchangers. Because the fire load is small, we feel that no detection is necessary; and do not intend to furnish any.

PAB-F-4-Z

The only equipment in this area classed as safety-related is the Plant Vent Stack Radiation Monitor. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

PAB-F-1J-Z

The only equipment in this area is piping and valves, some cabling, and a number of small tanks and heat exchangers. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

PAB-F-1K-Z

This is the RCA walkway and Non-Radioactive Pipe Tunnel zone. The only equipment in this zone is piping and valves. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

6. FUEL STORAGE BUILDING

FSB-F-1-A

The Fuel Storage Building is a locked, limited access area. The fire load is very low. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

7. SERVICE WATER COOLING TOWER

CT-F-3-0

This is the top of the cooling tower, open to the elements. There are no combustibles there with the exception of the enclosed fan motors. Because of this, we feel that no detection is necessary; and do not intend to furnish any.

8. TURBINE BUILDING

TB-F-1A-Z, TB-F-2-Z

These areas are supplied with automatic sprinklers. The equipment is Class 1E, but is not required to safely shut down the plant. There is no need for further detection.

9. WASTE PROCESSING BUILDING

W-F-ZA-7, W-F-2B-Z

These areas contain safety class 3 equipment associated with the Waste Gas System. All electrical equipment in this system is non-Class 1E. There are no active safety-related components in the System. Because of this, we feel that no detection is necessary; and do not intend to furnish any.