



Bob Ferguson

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Department of Nuclear Energy

July 15, 1980

Mr. Robert L. Ferguson
Chemical Engineering
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Fire Protection Review, Peach Bottom, Item 3.1.1 Area 6.

Dear Bob:

Please refer to our letter to you dated June 20, 1980 on this subject. This letter amends area 6, the cable spreading room fire detection system.

Respectfully yours,

Robert E. Hall, Group Leader
Reactor Engineering Analysis

REH:EAM:sd
attachment

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Peach Bottom Nuclear Power Plant

Fire Protection Review

Item 3.1.1 - Fire Detection System
- Area 6, Cable Spreading Room (Amendment)

The SER item 3.1.1 states that the licensee proposes to install fire detectors in 10 areas. Area 6, the cable spreading room, is one of the areas.

The licensee's response dated February 1980 gave their design criteria for installing the detectors.

Our letter of June 20, 1980 recommended approval of the detector layout, but stated that the licensee's "selection of ionization type detectors is not fully acceptable." We felt that photoelectric detectors would be preferable due to their faster response to smokey cable fires as outlined in R. Bright's report NBS-NMAB-342, "The Detection of Fire Involving Electric Cable Materials," dated 1978.

However, after reviewing other fire protection data including other SERs, we have concluded that ionization detectors will also be satisfactory in the cable spreading room and recommend that they be accepted.

We feel that where new detectors are to be used in a cable spreading room, either photoelectric or ionization type detectors are satisfactory.