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Department of Nuclear Energy

March 5, 1980

Mr. Robert L. Ferguson  
Plant Systems Branch  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

RE: Calvert Cliffs, Fire Protection Review, Item 3.1.13

Dear Bob:

The attached additional information on item 3.1.13, Emergency Communi-  
cation, has been requested by Mr. Tim Lee.

This is the final Brookhaven National Laboratory input for the Calvert  
Cliffs plant at this time.

Respectfully yours,

*Robert E. Hall* *REH*  
Robert E. Hall, Group Leader  
Reactor Engineering Analysis

REH:EAM:sd  
attachment

cc.: W. Kato           wo/att.  
      T. Lee  
      M. Levine        wo/att  
      E. MacDougall  
      V. Panciera

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*AS, 11*

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CALVERT CLIFFS

Fire Protection Review

Item 3.1.13 - Emergency Communication (additional information)

The SER states that communication equipment will be provided which is capable of maintaining communication between the control room and all areas of the plant, including the interior of containment, considering possible damage due to a single fire.

The licensee responded on November 13, 1979 stating an additional communication system will be provided which will be capable of maintaining communications between the control room and all areas of the plant including the containment. They further stated that adequate separation between the new system and the existing systems will be provided so that a single fire at any location cannot disable both systems. On a later submittal (January 11, 1980) the licensee described the proposed new system and enclosed sketches that showed the proposed layout.

The new system provides an adequate extension of the existing sound powered system so that the containment, containment stairways and turbine building are better covered for communications. The containment penetration route shown on the sketch is satisfactory. However, the rest of the routing is not shown; we recommend that the separation of the sound powered wiring and the plant paging system be documented by the licensee and reviewed by the staff.

In addition, the licensee has not addressed the possibility of a fire destroying the cabinet in the control room and the conduits from the control room that are common to both the sound powered and the standard page/party systems.

We recommend that the staff keep this as an open item until the conditions of the SER are met.