

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

Docket No. 50-461

April 4, 1986

Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Director
BWR Project Directorate No. 4
Division of BWR Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Clinton Power Station
Safe Shutdown Analysis

Dear Dr. Butler:

Figure 4.2.3.1.10-3 of the Clinton Safe Shutdown Analysis (SSA) shows two cables, 1LD58A and 1LD65A, routed from the west side of the containment to equipment on the east side of the containment. These cables are in the vicinity of equipment from another division so a member of the NRC Staff has requested a clarification on the acceptability of the cable routing. The purpose of this letter is to provide that clarification.

The two cables are identified as follows:

Cable Number	Beginning Equipment No.	Ending Equipment No.	Associated Equipment No.
1LD58A	1H22-P015	1EE33E	1E51-F063 1E51-F076
1LD65A	1H22-P015	1EE33E	1E51-F063 1E51-F076 1E51-F078

The equipment associated with these two Division 2 instrument cables consists of Method 1 safe shutdown components (see Table 1.8-2 of the SSA). Failure of these cables will cause the associated equipment (valves) to close which will make Method 1 safe shutdown unavailable. As a result, a fire in the vicinity of these cables on the east side of the containment will make Method 1 safe shutdown unavailable. These cables do not affect any Method 2/Division 2 safe shutdown components. Therefore, the plant can be safely shutdown by Method 2.

In the vicinity of these cables on the west side of the containment, there is Method 2 equipment. A fire in this area would thus cause Method 1 and Method 2 shutdown to be unavailable. However, no Method 3 equipment is affected by a fire in this area, and the plant can be safely shutdown by Method 3.

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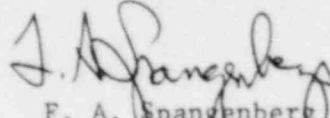
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Since one train of safe shutdown equipment will always be free from fire damage and available, no additional actions are required for separation or protection measures.

If you have any further question on this, please contact me.

Sincerely yours,


F. A. Spangenberg

DWW/ckc

cc: B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety