

Illinois Power Company

U-0651
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500 SOUTH 27TH STREET, P. O. BOX 511, DECATUR, ILLINOIS 62525-1805

Docket No. 50-461

July 14, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Schwencer:

Subject: Clinton Power Station, Unit 1
Safe Shutdown Analysis for Fire Protection

Reference: IP letter 12/16/82, (U-0586), G. E. Wuller to
A. Schwencer, NRC.

The referenced letter provided an updating of the Clinton Safe Shutdown Analysis for Fire Protection and requested some exemptions to Appendix R of 10CFR50.

This letter provides some clarifying information on certain fire zones. The information is in response to questions raised by Mr. John F. Stang, Jr., NRC Chemical Engineering Branch in the telephone conference on June 28.

1. Fire Zone D.3.2

Request: Verify that combustibles will not be present in this area to create a potential fire hazard between the Division I and Division II cable runs which were rerouted to meet the minimum separation criteria of Appendix R.

Response: The Clinton Power Station Operating Staff has issued for implementation the following procedures to provide control of combustibles and assure good housekeeping practices.

<u>Procedure No.</u>	<u>Title</u>
OAP1019.015	Housekeeping
OAP1019.025	Cleanliness
OAP1893.025	Fire Prevention Control of Ignition Sources
OAP1893.035	Control of Flammable and Combustible Materials and Liquids

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Implementation of the above procedures will ensure that Fire Zone D.3.2 will be maintained free of combustibles.

2. Fire Zone D.3.6

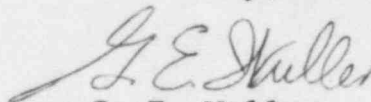
Request: Explain why this zone needs an exemption from Appendix R requirements.

Response: The Safe Shutdown Analysis Report concludes that Zone D.3.6 has safety-related Division II electrical cables and Division I HVAC dampers. The fire zone writeup states that the electrical cables are in conduit. If a fire occurred in the area, the integrity of the cables would be preserved by the conduit. If a short in the cables were to ignite the insulation it will not affect the integrity of the Division I fire dampers. Thus, at least one method for safe shutdown will be available following a fire in zone D.3.6.

Subsequent to our request for an exemption from Appendix R requirements (referenced letter), it was decided to embed the two cable conduits in concrete to provide an equivalent 3-hr. fire barrier for the Division I HVAC equipment (fire dampers). It is therefore concluded that an exemption from Appendix R requirements for Fire Zone D.3.6 is not needed.

Please contact me if you have any questions on this material.

Sincerely,



G. E. Wuller
Supervisor-Licensing
Nuclear Station Engineering

GEW/jmm

cc: Dr. H. Abelson, NRC Clinton Licensing Project Manager
Mr. J. F. Stang, Jr., NRC CHEB
Mr. H. H. Livermore, NRC Senior Resident Inspector
Illinois Department of Nuclear Safety