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SUBJECT: Provides response to 931216 RAI re Reactor Protection Sys Upgrade Project.

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AEP:NRC:1159E

Donald C. Cook Nuclear Plant Units 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
RESPONSE TO DECEMBER 16, 1993
REQUEST FOR ADDITIONAL INFORMATION
RELATED TO REACTOR PROTECTION SYSTEM UPGRADE PROJECT

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Attn: T. E. Murley

December 22, 1993

Dear Dr. Murley:

This letter provides a response to a Request for Additional Information (RAI) associated with our Reactor Protection System Upgrade Project. The RAI was dated December 16, 1993, and was the subject of a meeting held with your staff on December 20, 1993. The information requested is contained in the attachment to this letter.

Sincerely,

E. E. Fitzpatrick
Vice President

dr

Attachment

cc: A. A. Blind
G. Charnoff
J. B. Martin - Region III
NFEM Section Chief
NRC Resident Inspector
J. R. Padgett

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ATTACHMENT TO AEP:NRC:1159E

RESPONSE TO NRC REQUEST
FOR ADDITIONAL INFORMATION
DATED DECEMBER 16, 1993

Attachment to AEP:NRC:1159E

RESPONSE TO RAI ITEM 1

This item requested a defense-in-depth analysis for the Reactor Protection System (RPS) upgrade. An executive summary of the analysis we performed for the upgrade was originally submitted in our letter AEP:NRC:1159C dated December 16, 1993, and is repeated in this letter. The evaluation addressed the consequences of a postulated common mode failure of the Foxboro Spec 200 equipment. As requested by your staff during the December 20, 1993, meeting, we have attached the tables showing the specific analysis results for the loss of flow and locked rotor events. These are included in Appendix B.