



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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Dalwyn R. Davidson
VICE PRESIDENT
SYSTEM ENGINEERING AND CONSTRUCTION

May 28, 1982

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RE: Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Improper Coils Installed in
D.C. Motor Control Centers
[RDC 54(82)]

Dear Mr. Keppler:

This letter serves as a final report pursuant to 10CFR50.55(e) concerning a deficiency in two D.C. Motor Control Centers (MCC) supplied by Eaton Corporation Cutler-Hammer. Initial notification that this problem was being evaluated by The Cleveland Electric Illuminating Company (CEI) was made to your office on April 30, 1982, by Mr. E. Riley of CEI.

This report includes a description of the deficiency, an analysis of safety implications and the planned corrective action.

Description of Deficiency

During an inspection by Cutler-Hammer service personnel, it was discovered that a total of 8 units contain "R" type coils on the "M" relay. This relay requires an "L" type coil for proper operation.

Analysis of Safety Implications

The function of the coil serves to provide overcurrent protection for the relay. Use of the "R" type coil could result in burnout of the relay during overload conditions, and thus loss of safety-related D.C. loads affecting the Reactor Core Isolation Cooling System. This failure would also represent a potential fire hazard which may undermine function of additional MCC's.

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Planned Corrective Action

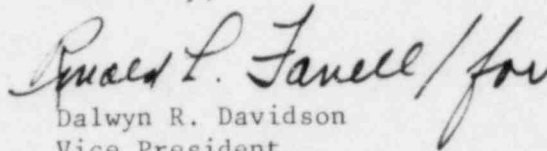
Cutler-Hammer personnel conducted a 100% inspection of all D.C. Motor Control Centers, resulting in the identification of eight (8) relays with the improper "R" type coil. There are approximately 30 "R" type coils involved in total. Cutler-Hammer will supply the proper coils to the Perry Project to be installed by site personnel.

In addition to the investigation performed by Cutler-Hammer, the Perry Project will conduct an independent investigation of other safety-related Motor Control Centers for this deficiency.

The date for completion of this corrective action is November 1, 1982.

If any changes result from the Perry Project investigation, a revision to this report will be issued.

Sincerely,



Dalwyn R. Davidson
Vice President
System Engineering and Construction

DRD/llp

cc: Mr. M. L. Gildner
NRC Site Office

Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
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