

PHILADELPHIA ELECTRIC COMPANY

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JOHN S. KEMPER
SENIOR VICE-PRESIDENT - NUCLEAR

February 23, 1988

Mr. W. T. Russell, Administrator
United States Nuclear Regulatory Commission
Attention: Document Control Clerk
Washington, DC 20555

Subject: Limerick Generating Station, Unit 2
Significant Deficiency Report No. 221-2
Westinghouse D.C. Motor Control Centers
NRC Construction Permit No. CPPR-107

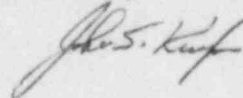
File: QUAL 2-10-2 SDR No. 221-2

Dear Mr. Russell:

In compliance with 10CFR50.55(e), we are submitting our final Significant Deficiency Report concerning the subject Westinghouse D.C. Motor Control Centers.

We trust that this satisfactorily resolves the item. If further information is required, please do not hesitate to contact us.

Sincerely,



JJM/kkf/021888802

Attachment

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NUCLEAR ENGINEERING DEPARTMENT
ENGINEERING DIVISION
N2-1 2301 Market Street

Significant Deficiency Report - SDR No. 221-2
Westinghouse D.C. Motor Control Centers
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Description of Deficiency

The internal control wiring on three (3) Westinghouse D.C. Motor Control Centers (MCC) did not agree with vendor supplied wiring or schematic drawings. PECO identified the deficiencies in MCC's 20D201, 20D202, and 20D203 during an internal wiring check of this equipment. The motor control centers were physically installed but had not been energized. Nonconformance Report No. 12622 reported the MCC 20D202 and 20D203 wiring deficiencies on 11/3/87. Nonconformance Report No. 12709 reported the MCC 20D201 wiring deficiencies on 11/24/87.

The wiring errors would have caused damage to equipment and the control circuits of equipment powered from the MCC's.

Corrective Action:

All deficient wiring in the 20D201, 20D202, and 20D203 D.C. motor control center compartments was reworked to the approved wiring drawings. The motor control center circuits have not been preoperational tested yet.

Safety Implications:

This problem represents a deficiency in the manufacture of the motor control center compartments. The Westinghouse Motor Control Centers were not built in accordance with the vendor supplied design drawings.

This problem has significant safety implications because the problem wiring could have prevented safety-related equipment from performing its intended safety function.