

THE CINCINNATI GAS & ELECTRIC COMPANY



E. A. BORGMANN
SENIOR VICE PRESIDENT

March 21, 1983
LOZ-83-0001

Docket No. 50-358

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Attention: Mr. J.G. Keppler
Regional Administrator

Gentlemen:

RE: WM. H. ZIMMER NUCLEAR POWER STATION - UNIT 1
10CFR50.55(e) - ITEM E-40 - GE HMA RELAYS
W.O. 57300, JOB E-5590, FILE 256C, E-40

This letter constitutes an interim report concerning the subject conditions initially reported to the NRC on February 25, 1983 as a potentially reportable deficiency under the requirements of 10CFR50.55(e).

General Electric has identified two potential deficiencies in HMA relays.

1. Some HMA relays manufactured in 1974 have insufficient clearance between the armature tail piece and the molded posts on either side of the tail piece. If this condition exists, twisting of the armature may cause binding of the armature tail piece when the armature is energized and prevent opening of the armature when it is de-energized.
2. HMA relays manufactured from 1976 through June of 1981 also have a potential deficiency. The uninsulated flexible leads to the moveable contacts are excessive in length and could come in contact with the coil circuit terminals.

A review of the safety related systems indicates that 196 HMA relays are used at Zimmer. A preliminary survey reveals that many of the relays were manufactured during the time periods discussed above.

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The corrective actions for the above deficiencies are described below.

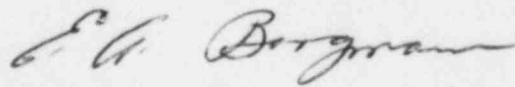
1. HMA relays manufactured during the 1974 time period which are subject to binding will be inspected for a minimum of 0.005 inch clearance between the armature tail piece and the posts. If less than a 0.005 inch clearance exists, the relay will either be replaced or repaired. Repairing the deficiency will involve increasing the gap between the posts and the tail piece by removing material from the posts.
2. HMA relays manufactured from 1976 through June, 1981 which have the potential for excessive lead lengths will be inspected to determine if this condition exists. Unacceptable relays will be repaired by applying a short length of heat shrink tubing to the leads to insulate them from the coil terminals.

A Construction Work Authorization Request (CWAR) is being prepared to obtain approval to perform the proposed corrective actions. Completion of the required inspections and repair or replacement of the affected relays is contingent upon the NRC's approval of the CWAR. A follow-up report will be submitted by May 31, 1983.

We trust the above will be found acceptable as an interim report under 10CFR50.55(e).

Very truly yours,

THE CINCINNATI GAS & ELECTRIC CO.

By 
E.A. BORGMANN
SENIOR VICE PRESIDENT

RNT/WPC/bcf

cc: NRC Office of Inspection & Enforcement
Washington D.C. 20555
NRC Senior Resident Inspector
ATTN: W.F. Christianson
NRC Zimmer Project Inspector
Region III

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