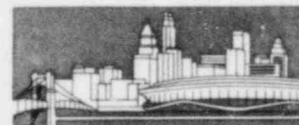


THE CINCINNATI GAS & ELECTRIC COMPANY



CINCINNATI, OHIO 45201

November 8, 1982

QA-2107

E. A. BORGMANN
SENIOR VICE PRESIDENT

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

Attention: Mr. J. G. Keppler
Regional Administrator

RE: WM. H. ZIMMER NUCLEAR POWER STATION UNIT 1
10CFR50.55(e) ITEM E-28, DEFICIENCY IN DG
CONTROL LOGIC, DOCKET NO. 50-358,
CONSTRUCTION PERMIT NO. CPPR-88
W.O. #57300, JOB E-5590, FILE E-28

Gentlemen:

This letter constitutes an interim report concerning the subject deficiency reported under the requirements of 10CFR50.55(e). Our last report on this subject was submitted on September 30, 1982. This report stated that the deficiency was definitely reportable under 10CFR50.55(e).

The previous report described a sequence of events which could lead to the paralleling of all three (3) emergency buses on the same diesel generator, subsequent overloading of that diesel generator, and a potential loss of an essential bus. The report also stated that the deficiency could be corrected by tripping the emergency diesel generator circuit breaker with an ESF actuation signal when the DG was operated in parallel with an offsite power source.

We have completed our engineering evaluation of this deficiency. The described sequence of events occurs because the emergency diesel generator energizes the incoming potential transformers that supply voltage signals to the Essential Relay Panel (ERP). Consequently the ERP cannot determine that offsite power has been lost.

The deficiency will be corrected by tripping the diesel generator circuit breaker with an ESF actuation signal when the generator is operated in parallel with an onsite or offsite power source. This will de-energize the bus and allow the essential relay panel to perform bus transfers, loadshedding and resequencing as designated. The trip signal will be reset after a short time delay or when the offsite or onsite source circuit breaker opens.

The logic changes described above will be accomplished by modifying the diesel generator circuit breaker trip logic utilizing existing ERP output contacts and diesel generator auxiliary relays. An additional output relay will be required for each ERP. These modifications should be complete by June 1, 1983. Our final report on this matter will be submitted on or before June 15, 1983.

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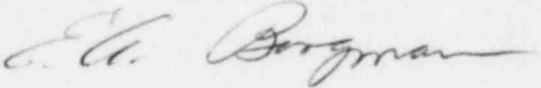
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Mr. J. G. Kepple:
Regional Administrator
Region III
November 8, 1982 - QA-2107
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We trust that the above will be found acceptable as an interim report under 10CFR50.55(e).

Very truly yours,

THE CINCINNATI GAS & ELECTRIC COMPANY

By 

E. A. BORCHMANN
SENIOR VICE PRESIDENT

WPC/cse

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