



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

March 16, 1984

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
HPCS Interfaces to the Suppression
Pool Clean-up System [RDC 99(84)]

Dear Mr. Keppler:

This letter serves as the interim report pursuant to 10CFR50.55(e) on the deficiencies concerning design of the High Pressure Core Spray (HPCS) interfaces to the Suppression Pool Clean-up System. Mr. P. R. Pelke of your office was notified on February 16, 1984, by Mr. B. D. Walrath of The Cleveland Electric Illuminating Company (CEI) that this problem was being evaluated. This discrepancy was identified during a safety system functional capability review being performed for CEI by GDS Associates.

This report contains a description of the deficiency, planned corrective action and the date for filing of the next report on this subject.

Description of Deficiency

The Suppression Pool Clean-up System takes suction from the high pressure core spray suction via suppression pool valve E22-F015. The HPCS System will automatically start upon a Level 2 Loss of Coolant Accident (LOCA) signal but the clean-up pump suction valves close on a Level 1 LOCA signal per elementary diagram B-208-065. Unless the clean-up pump suction valves close, HPCS could be inoperative due to opposing pump suction from the clean-up pump.

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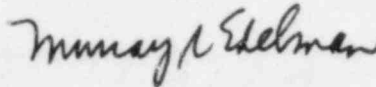
Corrective Action

Gilbert Associates, Incorporated, our Architect/Engineer, is currently evaluating the as-designed condition of the suppression pool clean-up system and the associated logic to determine if design changes are necessary to effect safe system operation.

We will submit our next report on this subject by April 30, 1984.

Please call if there are any questions.

Sincerely,



Murray R. Edelman
Vice President
Nuclear Group

MRE:pab

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

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