



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

April 30, 1984

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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 to inform you that our evaluation of the deficiencies concerning design of the High Pressure Core Spray (HPCS) interfaces to the Suppression Pool Clean-up System has not yet been completed. 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, and an interim report, dated March 16, 1984, was also submitted. This discrepancy was identified during a safety system functional capability review performed for CEI by GDS Associates. This letter contains a revised description of the deficiency and the date for filing of the next report on this subject.

Description of Deficiency

The nonsafety-related Suppression Pool Clean-up (SPCU) System takes suction from the high pressure core spray suction via clean-up pump suction 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. In this situation, the HPCS pump will experience opposing pump suction from the SPCU pump. In addition, due to the non-seismic classification of the SPCU system, this situation would create a non-seismic interface with the HPCS system.

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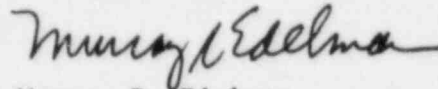
April 30, 1984

Evaluation Completion

Our Architect/Engineer, Gilbert Associates, Inc., is continuing their evaluation of this condition and we will submit our next report on this subject by June 8, 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

Director
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