



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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August 1, 1984

MURRAY R. EDELMAN

VICE PRESIDENT

NUCLEAR

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
Reactor Pressure Vessel Water
Level Transmitters [RDC 49(82)]

Dear Mr. Keppler:

This letter will serve as the final report pursuant to 10CFR50.55(e) concerning water level transmitters of incorrect range in the Units 1 and 2 Reactor Pressure Vessels (RPV). Mr. E. Riley of The Cleveland Electric Illuminating Company notified Mr. J. H. Neisler of your office that this potential deficiency had been identified on March 12, 1982. Interim reports concerning this subject were issued April 8, 1982, and May 1, 1984.

This report contains a description of the deficiency, an analysis of safety implication, and the corrective action being taken.

Description of Deficiency

The water level transmitters installed in the reactor pressure vessels were determined to be wide range instead of narrow range as required by design. The transmitters originally installed were not capable of being adjusted to the required range. This equipment was supplied by General Electric (GE) as part of the Nuclear Steam Supply System. Notification of the reportable condition was received by The Cleveland Electric Illuminating Company in a letter from GE dated February 10, 1982.

Analysis of Safety Implications

The wide range water level transmitters cannot provide the intended safety signal because they are not capable of being adjusted to the required range. Were the deficiency to have gone uncorrected, it is possible that plant technical specifications could have been exceeded due to the inadequate range capabilities of the wide range transmitters.

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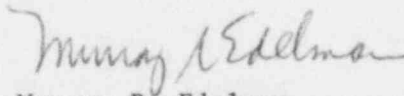
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Corrective Action

GE issued Field Disposition Instructions WNOM and WRLD to change the wide range transmitters to narrow range transmitters for Units 1 and 2, respectively. In addition, CEI issued Nonconformance Reports NDS 0068 and NDS 0075 for Units 1 and 2, respectively. The changeout of the Unit 1 transmitters will be completed September 21, 1984, instead of August 1, as originally planned, due to the unavailability on site of the equipment needed to complete the changeout. Replacement of the Unit 2 transmitters will be completed consistent with the Unit 2 construction schedule prior to turnover of the affected systems.

Please call if there are any additional questions.

Sincerely,



Murray R. Edelman
Vice President
Nuclear Group

MRE:pab

cc: Mr. J. A. Grobe
NRC Site Office

Director
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U.S. Nuclear Regulatory Commission
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