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July 25, 1985

MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

PY-CEI/OIE 0082 L

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
Setpoint Methodology
Evaluation of Standby Liquid
Control Tank Level Detector
[RDC 140(85)]

Dear Mr. Keppler:

This letter is a final report pursuant to 10CFR50.55(e) concerning the Standby Liquid Control (SLC) tank level transmitter which had an accuracy exceeding the tolerance of the alarm setpoint. This discrepancy was identified during the Licensing Review Group BWR Owners Instrument Setpoint Methodology Program. This item was reported by telephone to Mr. R. Knop of your office on June 25, 1985 by Mr. B. D. Walrath of The Cleveland Electric Illuminating Company (CEI). This item has been evaluated per Deviation Analysis Report No. 244.

Description of Potential Deficiency

During the instrument setpoint methodology program, it was determined that the SLC tank level transmitter used to activate the high/low alarms had an accuracy of ± 8 inches. The specified tolerance of the alarm setpoint was ± 1 inch. This level transmitter has a useable range of 400" which provides level indication for the entire tank. This transmitter also actuates the tank high/low alarms. The high/low alarm is designed to ensure that an adequate volume of sodium pentaborate solution is available and to prevent tank overflow.

Analysis of Safety Implications

The insufficient accuracy of the SLC tank level transmitter could result in a delay in identifying that the tank level fell below the Technical Specification limit or that the tank level was approaching the overflow level.

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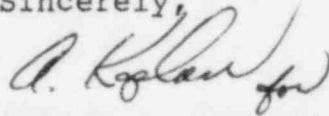
July 25, 1985

Corrective Action

General Electric has analyzed the accuracy requirements and determined that an instrument with a range of 100 inches and an accuracy of ± 2.064 inches would be acceptable. A design change (FDDR-KL1-6150) to effect the installation of a new level transmitter with the required accuracy has been initiated. Also, the affected data sheet in Design Specification 301 will be revised.

This is the final report on this item. If you have any questions, please call.

Sincerely,



Murray R. Edelman
Vice President
Nuclear Group

MRE:sab

cc: J. A. Grobe
USNRC SBB50

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