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# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN  
VICE PRESIDENT  
NUCLEAR

October 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  
Potential Leakage Path in  
Electronics Housing Threads  
of Transmitters Supplied  
by Rosemount  
[RDC 115 (84)]

Dear Mr. Keppler:

This letter serves as an interim report pursuant to 10CFR50.55(e) concerning Rosemount Model 1153 Series B Pressure Transmitters which may suffer from a potential leakage path in the seal of the threads between the sensor module and the electronics housing. Our evaluation of this condition per Deviation Analysis Report 202 was first reported by Mr. V. Higaki of The Cleveland Electric Illuminating Company to Mr. James McCormick-Barger of your office on September 19, 1984.

This report contains a description of the deficiency and the planned course of action for completion of our evaluation for significance.

### Description of Deficiency

Rosemount supplied two hundred forty (240) Model 1153 Series B Pressure Transmitters to the Perry Nuclear Power Plant (PNPP), Units 1 and 2, under Procurement Specification 604. On September 10, 1984, Rosemount notified PNPP, under 10CFR21 Regulations concerning a potential leakage path in the seal of the threads between the sensor module and the electronics housing of those transmitters manufactured after January 10, 1984. There is a possibility that this leak path could allow moisture from the ambient surrounding environment to enter the electronics housing during abnormal operating conditions. This moisture may cause the transmitter to stop functioning. This leak in no way affects the pressure boundary.

Further investigation by both Rosemount and our Project Organization, revealed that sixty-four (64) transmitters were possibly affected. Thirty-three (33) have been installed, all on Unit 1, with the remainder located in the PNPP Warehouse.

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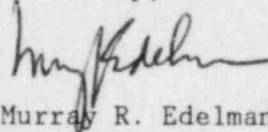
Corrective Action

Nonconformance Reports TAS 93 and TAS 94 were issued for Unit 1 and Unit 2 respectively, to document our corrective action.

Rosemount is currently subjecting several of the Series B to a LOCA simulation. This simulation is being used to help determine the cause of the leak path and what ambient temperature/pressure levels these pressure transmitters will withstand. We plan to submit our final report on this subject by January 27, 1985.

Please call if there are any additional questions.

Sincerely,



Murray R. Edelman  
Vice President  
Nuclear Group

MRE:jj

DW155/Q/2

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

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