



NIAGARA MOHAWK POWER CORPORATION / 300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202 / TELEPHONE (315) 474-1511

January 21, 1985  
(NMP2L 0324)

Mr. R. W. Starostecki, Director  
U. S. Nuclear Regulatory Commission  
Region I  
Division of Project and Resident Programs  
631 Park Avenue  
King of Prussia, PA 19406

Re: Nine Mile Point - Unit 2  
Docket No. 50-410

Dear Mr. Starostecki:

Enclosed is a final report in accordance with 10CFR50.55(e) for the problem concerning Rosemount Model 1153B transmitters. This problem was reported via tel-con to T. Silko of your staff on October 12, 1984. An interim report was submitted via our letter dated November 13, 1984.

Very truly yours,

C. V. Mangan  
Vice President  
Nuclear Engineering and Licensing

CVM/GG:csb  
(0671H)

xc: Director of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

R. A. Gramm, NRC Resident Inspector

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NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT - UNIT 2  
DOCKET NO. 50-410

Final Report for a Problem  
Concerning Rosemount Model 1153B Transmitters  
(55(e)-84-44)

Description of the Problem

The problem concerns Model 1153 Series B pressure transmitters manufactured by Rosemount, Incorporated, during January, 1984, through August, 1984. Rosemount has identified a potential leakage path in the seal of the threads between the sensor module and the electronic housing. According to Rosemount, 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 and cause the transmitter to stop functioning. Transmitter Mark Nos. 2RSS\*PT109 and 2IAS\*PT230 through 236 in balance of plant are affected by this problem and are installed in an environment which could be subject to LOCA and a high energy line break. In addition, GE has informed us that 9 transmitters in its scope of supply are affected by this problem.

These transmitters in balance of plant have no direct control function. Pressure transmitter Mark No. 2RSS\*PT109 monitors the pressure of the automatic depressurization system Tank No. 33 and provides a pressure indication at the remote shutdown panel. Pressure transmitter Mark Nos. 2IAS\*PT230 through 236 monitor the pressure of the automatic depressurization system accumulator Tank Nos. 32 through 38 and transmit a pressure indication signal to the plant computer and to the low pressure alarm in the main control room.

Analysis of Safety Implications

The loss/malfunction of these transmitters would not provide the required indication/alarm to the operator. As a result, the possibility exists that the operator would not have taken the necessary actions when needed. Therefore, if this condition were to have remained uncorrected, it could have adversely affected the safety of operations of the plant. Thus, the criteria of reportability have been met.

Corrective Action

Rosemount, Incorporated, recommended that all units in question be returned to them for rework. The rework includes disassembly, cleaning, and reassembly in accordance with Rosemount's new process (including elevated temperature cure for 12 hours at 200°F). The 17 affected transmitters (8 transmitters from balance of plant and 9 transmitters from GE scope of supply) were returned to the vendor for rework. The balance of plant transmitters are documented on Nonconformance and Disposition Report No. 10,000.