



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

July 30, 1982

U.S. Nuclear Regulatory Commission  
Region I  
Attention: Mr. R. W. Starostecki, Director  
Division of Project and Resident Programs  
631 Park Avenue  
King of Prussia, Pennsylvania 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 deficiency regarding AGASTAT E-7000 Series time-delay relays. This condition was reported by telephone to Mr. H. Kister of your staff on April 7, 1982.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

A handwritten signature in dark ink, appearing to read 'Gerald K. Rhode', written over a horizontal line.

Gerald K. Rhode  
Senior Vice President

PEF/kmb

cc: Director of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. R. D. Schulz, Resident Inspector

NIAGARA MOHAWK POWER CORPORATION  
Nine Mile Point Unit 2  
Docket No. 50-410

Final Report for a Reportable  
Deficiency Under 10CFR50.55(e)  
Regarding AGASTAT E-7000 Series  
Time-Delay Relays

Description of the Deficiency

On February 2, 1982, the Control Products Division of Amerace Corporation notified the U.S. Nuclear Regulatory Commission of a deficiency regarding its AGASTAT E-7000 Series time-delay relays in accordance with 10CFR21. This problem is also identified in NRC IE Information Notice 82-04. According to the Information Notice, approximately 20 percent of these relays manufactured between July 15, 1981, and January 12, 1982, may not operate properly due to a time- and temperature-based deterioration of the pneumatic timing diaphragm. This can result in a shorter time delay than indicated on the relay dial.

Since AGASTAT E-7000 series time-delay relays were specified for the Nine Mile Point Unit 2 design, information was requested from our nuclear steam system supplier, General Electric, and the affected vendors to determine if any of the suspected relays had been received for use at Unit 2. This review revealed that, of the prime suppliers, only General Electric, Switchgear Division in Burlington, Iowa, had received relays manufactured during the time period in question. The affected relays were scheduled for use in safety-related switchgear for the Unit 2 emergency standby diesel generators.

Analysis of Safety Implications

As stated in the above-mentioned information notice, the problem in the affected relays, under certain conditions, could result in shorter time delays than those set on the relay dial. As a result of shorter time delays, the safe operation of the emergency standby diesel generators could be adversely affected due to an overload condition.

Corrective Action

GE Switchgear Division, Burlington, Iowa, has returned the affected relays to the manufacturer. The manufacturer has corrected the problem and returned the relays to GE.