



March 30, 2001  
NMP1L 1584

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

RE: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63

***Subject: Supplement to Special Report Dated March 1, 2001***

Gentlemen:

In Niagara Mohawk Power Corporation's (NMPC) Special Report dated March 1, 2001, NMPC indicated that the hydrogen cell failed in Channel #11 of the Containment Hydrogen Monitoring System. At the time of the special report the cause of the failure was not known. The purpose of this supplement is to provide the cause and corrective action.

**Cause of Event**

Disassembly of the hydrogen cell revealed a small amount of foreign material. The amount of foreign material was insufficient to obtain a chemical analysis. However, the foreign material appeared to be either system debris or corrosion marks caused by moisture. The cause of the failure of the hydrogen cell was the presence of debris and/or moisture, which in a continuous monitoring system eventually degrades the hydrogen cell's performance.

**Corrective Actions**

1. Replaced the hydrogen cell in Channel #11 of the Containment Hydrogen Monitoring System.
2. The Containment Hydrogen Monitoring System was classified as a Maintenance Rule (a)(1) system.
3. Perform a nitrogen purge of Channel #12 Containment Hydrogen Monitoring System and replace the hydrogen cell by August 22, 2001.

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4. By August 31, 2001, revise procedure N1-ISP-201-047, Containment Atmosphere H2 and O2 Monitors Instrument Channel Test and Calibration, to direct that adjustment of the hydrogen cell circuitry be included in work order close out notes and be communicated to the system engineer.

Very truly yours,



Lawrence A. Hopkins  
Plant Manager - Nine Mile Point Unit 1

LAH/KLE/cld

xc: Mr. H. J. Miller, NRC Regional Administrator, Region I  
Mr. G. K. Hunegs, NRC Senior Resident Inspector  
Records Management