

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9605200383    DOC.DATE: 96/05/15    NOTARIZED: NO    DOCKET #  
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 RADEMACHER, N.                Niagara Mohawk Power Corp.  
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SUBJECT: Special rept: on 960501, inoperability of 12 containment  
 hydrogen monitoring sys. Cause unknown. Adtl troubleshooting  
 being performed to determine location of loose connections.

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May 15, 1996  
NMP1L 1073U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555RE: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63**Subject: Special Report**

Gentlemen:

In accordance with Nine Mile Point Unit 1 (NMP1) Technical Specification Table 3.6.11-1, "Accident Monitoring Instrumentation," Action Statement 4.a, Niagara Mohawk Power Corporation is submitting the following Special Report concerning the inoperability of the #12 Containment Hydrogen Monitoring System (HMS).

**Description of Event**

On May 1, 1996, at 1900 hours, with the reactor mode switch in the "RUN" position during normal power operations, the #12 HMS was removed from service because the indicated hydrogen concentration had increased significantly and was acting erratically. During the period when #12 HMS was out of service, the #11 HMS remained operable.

**Cause of Event**

The #12 HMS was removed from service because the indicated hydrogen concentration became erratic. Removal of #12 HMS from service for corrective maintenance necessitates a Special Report in accordance with Technical Specification Table 3.6.11-1, Action Statement 4.a. The cause of the erratic indication is not known at this time.

Based on the symptoms displayed, troubleshooting was performed to determine if a fuse was blown in the thermal conductivity cell circuitry. The fuses in this circuit were found to be operable. During this troubleshooting, additional symptoms were observed which indicate that a loose connection in the control panel may be the cause of the erratic indication.

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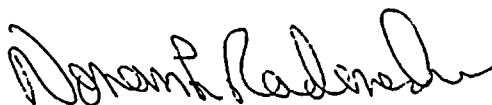
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Corrective Actions

Additional troubleshooting is being performed to determine the location of any loose connections. Based on the results of this troubleshooting, repairs will be completed, post-maintenance testing performed, and the system will be returned to service. As a result of the root cause determination, additional actions may be delineated and will be implemented per the action plan developed for the DER.

Sincerely,



N. L. Rademacher  
Plant Manager - NMP1

NLR/TWR/lmc

xc: Mr. Thomas T. Martin, Regional Administrator, Region I  
Mr. Barry S. Norris, Senior Resident Inspector



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