

. REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410

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SUBJECT: Special rept: on 941102, w/reactor mode switch in "RUN" position at 100% reactor poser, GEMS main stack effluent monitoring instrumentation was declared inoperable.

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November 21, 1994
NMP2L 1510U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555RE: Nine Mile Point Unit 2
Docket No. 50-410
NPF-69**Subject: Special Report**

Gentlemen:

In accordance with Nine Mile Point Unit 2 (NMP2) Technical Specification (T.S.) Table 3.3.7.10-1, "Radioactive-Gaseous Effluent Monitoring Instrumentation," ACTION Statement 139-b, Niagara Mohawk Power Corporation is submitting the following Special Report concerning the inoperability of the Gaseous Effluent Monitoring System (GEMS).

Event Description

On November 2, 1994 at 0216 hours, with the reactor mode switch in the "RUN" position (Operational Condition 1) at 100 percent reactor power, the GEMS Main Stack Effluent Monitoring instrumentation was declared inoperable. A four hour system/sample flow estimate program, a continuous iodine and particulate sample program, and a 12 hour gas grab sample program were implemented at the time GEMS was declared inoperable as required by T.S. Table 3.3.7.10-1, ACTION Statements 136, 138 and 139-a.

During normal shift checks on Main Stack GEMS effluent panel 2RMS-CAB170, it was discovered that the isokinetic ratio and the sample inlet and outlet flows did not meet the required acceptance criteria. A Work Order (WO# 94-06929) was issued to troubleshoot the cause of the sample flow inaccuracies. Troubleshooting determined that the outlet sample flow controller (2RMS-FC1170E) was operating erratically. During troubleshooting, high winds were present which caused some flow transients and hindered the on-line troubleshooting efforts. The decision was made to replace the outlet flow controller 2RMS-FC1170E and its associated flow sensor and control valve.

On November 5, 1994 at 0216 hours, the Main Stack GEMS had not yet been declared operable. Failure to return the system to an operable status within 72 hours requires submission of this Special Report to the U.S. Nuclear Regulatory Commission within 14 days as specified by T.S. Action Statement 139-b.

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Cause of Event

The specific cause for the failed flow controller 2RMS-FC1170E was not determined. The failed flow controller is part of the original equipment in the GEMS system, and is used in an application which involves considerable cycling. Therefore, it was concluded that the flow controller failed as a result of age and usage factors.

Actions Taken

1. WO# 94-06929 was issued to troubleshoot problem(s) associated with electronic flow controller 2RMS-FC1170E located in panel 2RMS-CAB170. The controller was returned to the vendor for repairs. When the repaired flow controller is returned from the vendor, it will be added to stock as an available spare.
2. The failed flow controller was replaced with a spare from stock. The GEMS system was satisfactorily tested and returned to service at 1450 hours on November 8, 1994.

Very truly yours,



Kim A. Dahlberg
Plant Manager - NMP2

KAD/AFZ/lmc

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



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