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SUBJECT: Special rept: on 940510, inoperability of 11# containment hydrogen monitoring unit. Cause of initial slow stroke time yet to be determined. Frequency of testing valves temporarily been increased from quarterly to monthly.

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Richard B. Abbott
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NMP1L0818United States 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 #11 Containment Hydrogen Monitoring Unit (HMS).

Description of Event

On May 10, 1994 at 1846 hours, with the reactor mode switch in the "RUN" position and the plant operating at approximately 100 percent of rated thermal power, the #11 HMS was removed from service. During the performance of procedure N1-ST-Q5, "Primary Containment Isolation Valve Operability Test," on a group of eight primary containment isolation valves on the #11 containment monitoring system, the "open to close" time of one of these valves, i.e., valve 201.7-03, as measured in the control room, was 13.4 seconds. The Inservice Test (IST) limit is ≤ 8.5 seconds and the Technical Specification limit is ≤ 60 seconds. Procedure N1-ST-Q5 requires that all eight valves be declared inoperable if any one of them exceeds the IST limit. All eight of these valves are controlled by one switch. At 1846 hours on May 10, 1994, valve 201.7-03 was declared inoperable and closed, as were the seven other primary containment isolation valves, and, consequently #11 HMS was also declared inoperable and removed from service. Number 12 HMS remained in service.

Cause of Event

On May 11, 1994, valve 201.7-03 was restroked and retimed in accordance with N1-ST-Q5. The valve's open to close time was 1.6 seconds as measured at the valve, and 1.3 seconds as measured in the control room. The cause of the initial slow stroke time is yet to be determined.

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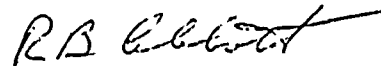
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Corrective Actions

After successfully restroking and retiming valve 201.7-03, the valve was declared operable and opened, along with the seven other primary containment isolation valves. #11 HMS was started, recalibrated using procedure N1-ISP-201-012, "Containment H₂ Analyzers Check and Calibration," and was returned to service at 1548 hours on May 12, 1994.

Diagnostic testing, including observation of valve 201.7-03 and the limit switches to determine the cause of the slow stroke time, will be done by June 9, 1994. Corrective maintenance will be performed as appropriate. Additionally, the frequency of testing these valves has temporarily been increased from quarterly to monthly. This is not an ASME code requirement, but rather is being done administratively.

Very truly yours,



R. B. Abbott
Plant Manager - NMP1

RBA/JTP/ksj

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

