Constellation Energy
Nine Mile Point Nuclear Station

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September 12, 2005
NMP1L 1984

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

SUBJECT: Nine Mile Point Unit 1
Docket No. 50-220
Facility Operating License No. DPR-63

Special Report, Channel #12 of the Containment Hydrogen Monitoring System Inoperable

Gentlemen:

In accordance with Action 4.a of Nine Mile Point Unit 1 Technical Specification Table 3.6.11-2, "Accident Monitoring Instrumentation Action Statements," Nine Mile Point Nuclear Station, LLC, is submitting the following Special Report concerning inoperability of Channel #12 of the Containment Hydrogen Monitoring (CHM) System.

Description of Event

This Special Report is submitted for two separate and unrelated inoperability events for Channel #12 of the CHM System.

On August 29, 2005, at 0437 hours, operators removed Channel #12 of the CHM System from service due to planned maintenance on another system's equipment. On August 30, 2005, at 1726 hours, Channel #12 of the CHM System was restored to operable status.

On September 1, 2005, at 0850 hours, operators again removed Channel #12 of the CHM System from service to perform required surveillance exercise testing of the torus and drywell sample stream check valves. At 1015 hours, the surveillance test was declared unsatisfactory for the torus sample stream. Operators subsequently removed Channel #12 of the CHM System from service by procedure due to the inability to sample both the drywell and the torus.

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In both cases the redundant Channel #11 of the CHM System was verified to be operable prior to removal of Channel #12 from service.

Cause of Inoperability

On August 29, 2005, Channel #12 of the CHM System was removed from service to support planned maintenance. To support the planned maintenance, a power board feeding Channel #12 of the CHM System sample line heat tracing was required to be de-energized. On August 30, 2005, Channel #12 of the CHM System was restored to operable status.

On September 1, 2005, Channel #12 of the CHM System was declared inoperable by procedure due to the inability to sample both the drywell and the torus. The surveillance test indicated unacceptable performance of the torus sample stream check valves.

Actions Taken

For the first event, planned maintenance was completed and Channel #12 of the CHM System was restored to operable status on August 30, 2005, at 1726 hours.

For the second event, Channel #12 of the CHM System was declared inoperable on September 1, 2005, at 1015 hours. Operators isolated the torus sample stream to perform troubleshooting. As a result of the troubleshooting and investigation it was determined that the initial exercise testing of the torus sample stream check valves was acceptable and Channel #12 of the CHM System was restored to operable status on September 3, at 0219 hours.

Very truly yours,

Timothy J. O'Connor
Plant General Manager

TJO/RF/sac

cc: Mr. S. J. Collins, NRC Regional Administrator, Region I
Mr. G. K. Hunegs, NRC Senior Resident Inspector