



**Constellation  
Energy Group**

Nine Mile Point  
Nuclear Station

October 30, 2002  
NMPIL 1694

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

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

Special Report, Channel #12 Containment Hydrogen Monitoring System  
Inoperable Due to Degraded Solenoid Valve

Gentlemen:

In accordance with Action Statement 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 the inoperability of the Channel #12 Containment Hydrogen Monitoring System.

**Description of Event**

On October 16, 2002, during preparation for the calibration of the Containment Hydrogen Monitoring System, a chattering noise was noted coming from the Channel #12 Containment Hydrogen Monitoring System cabinet. Further investigation revealed that the source of the noise was solenoid operated valve SOV-201.2-1248. At approximately 1434 hours, operators shut down the Channel #12 Containment Hydrogen Monitoring System and the chattering ceased

The redundant Channel #11 Containment Hydrogen Monitoring System was in service prior to removing Channel #12 from service.

**Cause of Event**

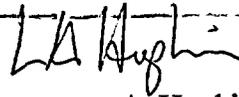
Troubleshooting concluded that SOV-201.2-1248 was degraded. An inspection of the solenoid internals determined that the degradation was the result of normal wear.

IE22

Corrective Actions

1. The solenoid operated valve was replaced.
2. On October 25, 2002, at 2000 hours, Channel #12 Containment Hydrogen Monitoring System was returned to service.
3. The solenoid valve failure has been entered into the site's corrective action program to assess the need for additional follow-up actions.

Very truly yours,



Lawrence A. Hopkins  
Plant General Manager

LAH/KLE/jm

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