



## **Constellation Nuclear**

Nine Mile Point  
Nuclear Station

*A Member of the  
Constellation Energy Group*

February 25, 2002  
NMP1L 1645

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

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

**Subject: Special Report, Channel #11 Containment High Range Radiation  
Monitor Inoperable**

Gentlemen:

In accordance with Action Statement 3.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 Channel #11 Containment High Range Radiation Monitor.

### **Description of Event**

On February 10, 2002, at approximately 0740 hours, operators declared the Channel #11 Containment High Range Radiation Monitor inoperable when indication failed downscale. Troubleshooting of the high voltage and signal cables did not identify any open circuits. A nick that exposed the coaxial shield of the signal cable was identified. This is the most probable cause of the failure.

The signal cable was repaired and high voltage and signal connectors on the detector and cables were cleaned. Troubleshooting of the radiation monitor in the Control Room and a complete calibration of the system revealed no failures. Detector operation was observed on February 19, 2002, with no abnormalities identified. On February 20, 2002, the Channel #11 Containment High Range Radiation Monitor was declared operable.

The redundant Channel #12 Containment High Range Radiation Monitor was in service while the Channel #11 Containment High Range Radiation Monitor was out of service.

IE 22

**Cause of Event**

The most probable cause of the Channel #11 Containment High Range Radiation Monitor downscale reading was a nick that exposed the coaxial shield of the signal cable.

**Corrective Actions**

1. The nick that exposed the coaxial shield of the Channel #11 Containment High Range Radiation Monitor signal cable was repaired.
2. The high voltage and signal connectors on the detector and cable were cleaned.

Very truly yours,



Lawrence A. Hopkins  
Unit 1 Plant General Manager

LAH/KLE/cld

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