



**Constellation Energy**

Nine Mile Point Nuclear Station

P.O. Box 63  
Lycoming, NY 13093

September 11, 2006

U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**ATTENTION:** Document Control Desk

**SUBJECT:** Nine Mile Point Nuclear Station  
Unit No. 1; Docket No. 50-220

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

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**

On August 28, 2006, at 0805 hours, operators declared Channel #12 of the CHM System inoperable when the system was removed from service to support required surveillance testing. At 1133 hours, during the performance of the surveillance test, it was discovered that the high hydrogen and oxygen level annunciators and associated alarm lamps did not operate when required.

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

**Cause of Inoperability**

During performance of Channel #12 CHM System functional test, the high hydrogen and oxygen level annunciators failed to alarm in the control room as expected. The associated main system control hydrogen and oxygen alarm lamps also failed to illuminate as expected. The cause was determined to be a failed time delay relay.

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**Actions Taken**

The failed relay was replaced and post maintenance testing was completed satisfactorily. Channel #12 of the CHM System was restored to operable status on August 29, 2006, at 1431 hours.

Should you have any questions regarding this submittal, please contact M. H. Miller, Licensing Director, at (315) 349-1510.

Sincerely,



Nicola F. Conicella  
Manager Operations

NFC/RF/cld

cc: S. J. Collins, NRC Regional Administrator, Region I  
L. M. Cline, NRC Senior Resident Inspector