**Constellation Energy**
Nine Mile Point Nuclear Station

P.O. Box 63
Lycoming, New York 13093

June 18, 2004
NMP1L 1842

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

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

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

Gentlemen:

By letter dated May 4, 2004 (NMP1L 1833), Nine Mile Point Nuclear Station, LLC (NMPNS), submitted a special report required by Action 4.a of Nine Mile Point Unit 1 Technical Specification Table 3.6.11-2. In that submittal, NMPNS committed to revise the special report when the cause of the event was determined.

The revised special report is attached. Changes to the previously submitted report are marked with revision bars.

Very truly yours,

LA Hopkins

Lawrence A. Hopkins
Plant General Manager

LAH/RF/bjh
Attachment

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

IE22

# Attachment

## Revised Special Report

## "Channel #12 of the Containment Hydrogen Monitoring System Inoperable"

*Description of Event*

On April 21, 2004, at approximately 1700 hours Channel #12 of the Containment Hydrogen Monitoring (CHM) System became inoperable due to intermittent indications of elevated hydrogen concentrations in the torus.

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

*Cause of Event*

Channel #12 of the CHM System was declared inoperable due to indications of irregular changes in hydrogen concentrations. Settings of the thermoelectric cooler of Channel #12 of the CHM System were found to be improper, which resulted in less cooling provided to the sample stream and moisture intrusion into the system's detector.

On February 16, 2004, preventive maintenance was performed on Channel #12 of the CHM System. The Preventive Maintenance Procedure contained multiple actions in one step, which resulted in a human performance error. Specifically, the thermoelectric cooler settings were not reset to their proper operating values.

*Corrective Actions*

The inoperability of CHM System Channel #12 has been resolved through the Corrective Action Program. The thermoelectric cooler settings were reset properly and the moisture was removed from Channel #12 of the CHM System. Subsequently, Channel #12 of the CHM System was operated for approximately 48 hours and after confirming stable operation, declared operable on May 10, 2004 at 1730 hours.

The Preventive Maintenance Procedure involved was revised to enhance barriers to prevent potential human performance errors.