

Date: December 12, 2011

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-I-11-004

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information received may not yet be fully verified or evaluated by the Region Staff.

Facility

Constellation Energy Nuclear Group, LLC  
Nine Mile Point Unit 2  
Lycoming, NY  
Docket: 50-410

Licensee Emergency Classification

Notification of Unusual Event  
 Alert  
 Site Area Emergency  
 General Emergency  
 Not Applicable

SUBJECT: NINE MILE POINT UNIT 2 TECHNICAL SPECIFICATION-REQUIRED  
SHUTDOWN DUE TO AN INCREASE IN UNIDENTIFIED REACTOR COOLANT  
SYSTEM LEAKAGE

On December 9, 2011, at 10:46 a.m., operators at Nine Mile Point Unit 2 commenced a Technical Specification-required shutdown due to an increase in unidentified reactor coolant system (drywell) leakage of greater than two gallons per minute (gpm) within the previous 24-hour period. At 9:03 a.m. operators had identified and commenced monitoring of increasing drywell leakage. Unidentified reactor coolant system leakage reached a maximum of 3.7 gpm. In accordance with station procedures, operators completed a controlled reactor shutdown and reached the Hot Shutdown condition at 11:17 p.m. Following a drywell entry, the cause of the rise in leakage was determined to be from the 'A' recirculation pump discharge isolation valve packing. The plant was taken to Cold Shutdown on December 10 at 6:13 pm. to complete repairs to the valve. The leakage was collected in the drywell sump.

No safety-related systems were affected by the increase in leakage, and plant response during the shutdown was as expected. Operator response to the plant transient was in accordance with procedures.

The NRC Resident Inspectors responded to monitor this event. The NRC will continue to evaluate the event, including following repair activities and corrective actions.

The information presented herein has been discussed with Nine Mile Point management and is current as of December 12, 2011, at 2:00 p.m.

State and local officials have been informed.

Region I Public Affairs is prepared to respond to media inquiries.

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CONTACT: Glenn Dentel  
(610) 337-5233

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**SUNSI Review Complete: GTD (Reviewer's Initials)**

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