

Date: December 16, 2011

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

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

This preliminary notification supplements information in PNO-I-11-004, which documented a Technical Specification-required reactor shutdown due to an unidentified reactor coolant system (drywell) leakage of greater than two gallons per minute (GPM) within the previous 24 hour period.

On December 9, 2011, at 9:03 a.m., Unit 2 operators noted an increase in unidentified reactor coolant system leakage, with a maximum leak-rate of 3.7 gpm. At 10:46 a.m., Unit 2 operators commenced a reactor shutdown to the Hot Shutdown condition in accordance with station procedures. Following a drywell entry, the source of the leakage was determined to be a reactor coolant system valve. The plant was taken to Cold Shutdown on December 10 at 6:13 p.m. to complete repairs to the valve. The valve stem was repaired, the valve was re-packed, and post-maintenance testing was completed satisfactorily. Constellation incorporated enhancements to the valve to prevent reoccurrence of the failure, and additional monitoring equipment was installed. The leakage was collected in the drywell sump and all plant systems functioned as designed.

Following repairs to the valve, Unit 2 was restarted and taken critical at 4:04 a.m. on December 15, 2011. The generator was synchronized to the electrical grid at 4:55 a.m. on December 16, 2011.

The NRC Resident Inspectors responded to the site after the shutdown to monitor Constellation's response. The inspectors also evaluated repair activities and corrective actions prior to plant restart.

The information presented herein has been discussed with Nine Mile Point management and is current as of December 16, 2011, at 9:30 a.m.

State and local officials have been informed.

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

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