

February 9, 2013

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-I-13-001

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information may not yet be fully verified or evaluated by the Region I staff (King of Prussia, PA)

Facility

Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
Plymouth, MA  
Docket No. 50-293  
License No. DPR-35

Licensee Emergency Classification

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

SUBJECT: PILGRIM STATION: UNUSUAL EVENT DECLARED DUE TO LOSS OF OFFSITE POWER DURING WINTER STORM NEMO

On February 8, 2013, at 9:17 p.m. EST, while operating at 80% power, the Pilgrim Nuclear Power Station automatically scrammed following the loss of all three sources of offsite power, apparently caused by Winter Storm Nemo. All plant systems performed as designed. The Reactor Core Isolation Cooling system is being used to control reactor vessel water level and the High Pressure Coolant Injection is controlling reactor pressure. The Unusual Event was declared at 10:00 p.m. EST based on the loss of offsite power lasting greater than 15 minutes.

As of 5:00 a.m. EST on February 9, 2013, both emergency diesel generators continue to provide power to the safety-related electrical busses. Pilgrim has three sources of offsite power: the 355 and 342 lines (both 345KV lines), which feed the plant's startup transformer and have been given priority restoration status by the electrical transmission company; and a 25KV line, which connects to the station's shutdown transformer and could not be immediately restored. Once one of the offsite lines is restored and determined to be reliable, the operators will reconnect offsite power to the vital and non-vital 4160 Volt AC buses and exit the Unusual Event.

Region I Public Affairs Officers have responded to media inquiries and have issued a press release. This information has been reviewed with licensee plant management. This preliminary notification is issued for information only.

ADAMS Accession Number: ML13042A302

CONTACT: Andrew Rosebrook, (610) 337-5199