

**Bozin, Sunny**

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**From:** R2 IRC  
**Sent:** Tuesday, August 23, 2011 7:16 PM  
**To:** PN\_Distribution  
**Subject:** PNO-II-11-005 (North Anna)  
**Attachments:** North Anna\_PNO-II-11-005.docx

See attached.

B/3  
(3)

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-II-11-005**

This preliminary notification constitutes EARLY notice of events of possible safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

**Facilities:**

Virginia Electric and Power Company  
North Anna Power Station, Units 1 and 2  
Mineral, Virginia  
Docket/License: 50-338/NPF-4, 50-339/NPF- 7

**Licensee Emergency Classifications:**

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

Calvert Cliffs Nuclear Power Plant  
DC Cook  
Hope Creek Generating Station  
Limerick Generating Station  
Oyster Creek Nuclear Generating Station  
Palisades  
Peach Bottom Atomic Power Station  
Salem Nuclear Generating Station  
Shearon Harris Nuclear Plant  
Surry Power Station, Units 1 and 2  
Susquehanna Power Station  
Three Mile Island Nuclear Station

Notification of Unusual Event  
 Notification of Unusual Event

**SUBJECT: EMERGENCY DECLARATIONS DUE TO SEISMIC EVENT**

At 2:22 p.m. (EDT) on August 23, 2011, NRC entered the Monitoring Mode following the declaration of an ALERT at the North Anna Power Station Units 1 and 2, located in Virginia, at 2:03 p.m. The emergency was declared following a seismic event near the North Anna station. Both North Anna units experienced reactor trips and a loss of all offsite alternating current (AC) power (LOOP) to the emergency buses. The cause of the reactor trips and LOOP are being investigated. The on-site emergency diesel generators (EDGs) initially started and powered the station emergency buses. Subsequently, one of the EDGs was shutdown due to a diesel coolant leak. Another diesel generator was started and all emergency buses continue to be powered.

Additionally, a number of plants declared a Notice of Unusual Event (NOUE) due to seismic activity at the site. Plants declaring NOUEs, which indicate a potential decrease in plant safety, include Peach Bottom, Three Mile Island, Susquehanna and Limerick in Pennsylvania; Salem, Hope Creek and Oyster Creek in New Jersey, Calvert Cliffs in Maryland, Surry in Virginia, Shearon Harris in North Carolina and D.C. Cook and Palisades in Michigan. All these plants continue to operate while plant personnel examine their sites.

The NRC is closely monitoring these activities, including direct on-site observation. The information presented herein has been discussed with the licensee and is current as of 7:00 p.m.

This preliminary notification is issued for information only.

All affected States have been notified by the NRC.

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