

October 9, 2012

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-II-12-004**

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 II staff (Atlanta, GA)

**Facility Licensee Emergency Classification**

Virginia Electric Power Company (VEPCO)  
North Anna Unit 2  
Mineral, VA  
Docket: 50-339

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

**SUBJECT: SHUTDOWN GREATER THAN 72 HOURS DUE TO DECREASED UNIT 2 "A" REACTOR COOLANT PUMP (RCP) #1 SEAL LEAKOFF FLOW**

Late on October 7, 2012 the licensee commenced a controlled down-power of North Anna Unit 2 to repair the seal package on the 'A' RCP. The licensee had noted that the Unit 2 'A' RCP number 1 seal leakoff flow had steadily decreased since August 2012, which is an indication that the seal is degrading. While the unit is shutdown, the licensee is also taking the opportunity to replace the seal package on 'C' RCP which has also shown some signs of degradation. The NRC Resident Inspector monitored portions of the shutdown activities and will continue to observe the licensee's actions.

This preliminary notification is issued for information only. The Commonwealth of Virginia has been notified.

The information herein has been discussed with the licensee, and is current as of 8:00 a.m. on October 9, 2012.

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