

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-11-006**

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 the Region II staff on this date.

**Facility**

Carolina Power and Light Company  
Brunswick 2  
Southport, NC  
Dockets: 50-324

**Licensee Emergency Classification**

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

SUBJECT: BRUNSWICK UNIT 2 DECLARES A NOTICE OF UNUSUAL EVENT (NOUE)

On November 16, 2011, at 3:09 a.m. EST, Brunswick Unit 2 was manually scrammed from 7 percent power and an unusual event was declared due to drywell unidentified leakrate slightly exceeding 10 gallons per minute (gpm). The NOUE was exited at 8:15 a.m. EST on November 16, 2011, when leakage could be maintained below 10 gpm with decreased reactor pressure. The unit was cooled down and reached cold shutdown at 2:38 p.m. EST on November 16, 2011.

On November 17, 2011, the licensee determined that the unidentified leakage was the result of inadequate reactor vessel head stud tensioning. Based on a reactive inspection evaluation, Region II initiated a special inspection team on November 21, 2011.

This preliminary notification is issued for information only and no further action by the staff is anticipated.

Contacts: P. O'Bryan  
(910) 457-9531  
[Phil.Obryan@nrc.gov](mailto:Phil.Obryan@nrc.gov)

R. Musser  
(404) 997-4603  
[Randy.Musser@nrc.gov](mailto:Randy.Musser@nrc.gov)