

November 3, 2010

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-IV-10-005**

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 the Region IV, Arlington, Texas staff on this date.

**Facility**

STP Nuclear Operating Company  
South Texas Project Unit 2  
P.O. Box 289  
Wadsworth, TX 77483  
Docket: 50-499  
License No. NPF-80

**Licensee Emergency Classification**

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

**SUBJECT: SOUTH TEXAS PROJECT UNIT 2 REACTOR TRIP AND NOTIFICATION OF UNUSUAL EVENT**

**DESCRIPTION:**

On November 3, 2010, at 10:38 a.m. (CDT), South Texas Project Unit 2, declared a Notification of Unusual Event following a reactor trip due to the sudden failure of nonsafety-related electrical switchgear, which caused smoke and equipment damage. The site fire brigade leader responded to the switchgear room where the fault occurred and determined that no fire existed. No personnel injuries were reported. The electrical fault caused an under-voltage condition, which resulted in a reactor trip. All control rods fully inserted following the reactor trip and all safety systems responded as designed. Plant conditions are stable in Mode 3 (Hot Standby). At 12:40 p.m. (CDT), the licensee terminated the Notification of Unusual Event.

The resident inspectors were onsite when the event occurred and responded to the control room to monitor the licensee's response to the event.

Unit 1 was unaffected by the event and continued to operate at 100 percent power.

Region IV received notification of this occurrence by a phone call from the resident inspectors at 10:45 a.m. (CDT) on November 3, 2010. The state of Texas has been notified.

The information presented herein has been discussed with the licensee and is current as of 4 p.m. CDT, on November 3, 2010.

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

**ADAMS ACCESSION NUMBER: ML103070535**

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