

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-I-10-006

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information received may not yet be fully verified or evaluated by the Region Staff.

Facility

Entergy Nuclear Operations, Inc.  
Indian Point Unit 2  
Buchanan, NY  
Docket: 50-247

Licensee Emergency Classification

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

SUBJECT: NOTIFICATION OF ALERT DECLARED DUE TO EXPLOSION AS A RESULT OF 21 MAIN TRANSFORMER FAILURE AT INDIAN POINT UNIT 2

On November 7, 2010, at 6:49 p.m., Entergy declared an Alert due to an explosion in the 'B' phase of the 21 main transformer, which is located in the transformer yard outside the Unit 2 turbine building and adjacent to the control building. The Alert declaration was based on eyewitness reports from plant personnel who saw an explosion from the 21 main transformer that was also felt by Entergy's control room operators. Deluge fire protection systems automatically actuated and the on-site fire brigade responded with fire-fighting equipment. Entergy staff notified off-site fire response although their assistance was not required to extinguish the fire and they did not enter the plant protected area. Safety related equipment and off-site power sources were not impacted. The Alert was terminated by Entergy at 10:18 p.m.

The 21 main transformer failure resulted in an automatic reactor trip of Unit 2. The reactor trip was not complicated and the plant was stabilized with decay heat removal provided by the auxiliary feedwater system via the main condenser. The NRC Indian Point Unit 2 senior resident inspector responded to the site and closely monitored licensee actions to stabilize the plant and implement operating response procedures. The NRC staff continues to monitor and assess Entergy's response and communications with regard to this event. The NRC staff will continue to assess the level of inspection follow-up warranted. Unit 3 was not affected.

NRC Region I, in King of Prussia, PA, has contacted the appropriate New York state agencies. The NRC Region I Public Affairs Office has responded to media inquiries. Entergy has issued press releases.

NRC received initial notification of this occurrence from Entergy, via a telephone call to the NRC Emergency Operations Duty Center officer, on November 7, 2010, at 7:07 p.m. The information presented herein has been discussed with Entergy and is current as of November 8, 2010, at 11:00 a.m.

This preliminary notification is issued for information only and will be updated after plant restart.

ADAMS Accession Number: ML103120616

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**SUNSI Review Complete:     BAB     (Reviewer's Initials)**

DOCUMENT NAME: G:\DRP\PNs\PNO-I-10-006 - IP2 Rx Trip due to 21 MT explosion.docx

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