

Date: November 26, 2010

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

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

This preliminary notification supplements information in PNO-I-10-006, which documented the declaration of an Alert at Indian Point Unit 2 on November 7, 2010, following a transformer fault and subsequent explosion. The Alert was declared by Entergy at 6:49 p.m. and exited at 10:18 p.m. the same day.

On November 8, 2010, while Unit 2 was shutdown, Entergy began maintenance activities that included inspection of the 21 and 22 main transformers. Entergy's investigation determined that the 'B' Phase bushing of the 21 main transformer experienced a ground fault which subsequently resulted in an explosion. Entergy personnel replaced the 21 main transformer and determined the 22 main transformer was not damaged. Entergy operators re-started Unit 2 after completing replacement and testing of the 21 main transformer and inspection of other similar transformers.

The NRC staff continues to closely follow Entergy's causal evaluations and corrective actions. NRC oversight is being conducted through the NRC's baseline inspection program.

Entergy issued a news release on November 24, 2010, indicating Indian Point Unit 2 was returned to service. The information presented herein has been discussed with Entergy and is current as of November 24, 2010, at 11:00 a.m. Region I Public Affairs is prepared to respond to media inquiries.

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

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

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