

**PRELIMINARY NOTIFICATION - REGION III**

March 10, 2015

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-III-15-004**

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 III staff.

**Facility**

Byron Unit 1  
Exelon Generation Company, LLC  
Byron, Illinois  
Docket: 50-454  
License: NPF-37

**Licensee Emergency Classification**

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

SUBJECT: BYRON UNIT 1 AUTOMATIC SHUTDOWN AFTER FALLING ICE CAUSED MAIN POWER TRANSFORMER SHORT CIRCUIT

DESCRIPTION:

On March 3, 2015, at 11:01 a.m. CST Byron Unit 1 automatically shut down after a large piece of ice fell from an electrical conductor (bus bar) over one of the main power transformers resulting in a temporary short circuit condition. All safety systems responded as expected following the automatic shutdown and no complications occurred.

After replacing all damaged main power transformer components and following all required post-maintenance testing, Byron Unit 1 was restarted and synchronized to the electrical grid at 10:10 p.m. on March 9, 2015. The NRC resident inspectors assigned to Byron Station monitored portions of post-trip and startup activities.

Unit 2 was unaffected and continued to operate at 100 percent power throughout the event.

This preliminary notification is issued for information only and no further action by the staff is anticipated. There was no impact on public health and safety as a result of this event. Exelon issued a press release. State officials have been informed.

The information presented herein has been discussed with the licensee, and is current as of March 10, 12:30 p.m. CDT

ADAMS Accession Number ML15069A489

CONTACT: Eric Duncan  
630-829-9620  
Eric.Duncan@nrc.gov