

PRELIMINARY NOTIFICATION

September 20, 2012

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-III-12-011A

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 and is basically all that is known by the Region III staff on this date.

Facility

Fermi Nuclear Power Plant, Unit 2
Detroit Edison Company
Monroe, MI
Docket: 50-341

Licensee Emergency Classification

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

Subject: UPDATE - UNPLANNED SHUTDOWN GREATER THAN 72 HOURS DUE TO LOSS OF THE 120 KILOVOLT SWITCHYARD

On September 18, 2012, Fermi operators commenced a reactor startup following an automatic reactor scram on September 14, 2012. The reactor was made critical at 11:37 p.m. (EDT) on September 18, 2012, and the main generator was synchronized to the grid at 7:34 p.m. (EDT) on September 19, 2012.

On September 14, 2012, at 4:03 p.m. (EDT), Fermi 2 experienced an automatic reactor scram due to a loss of one of the two switchyards that provide electrical power to plant equipment. Some plant equipment lost power and the emergency diesel generators automatically started and loaded to provide electrical power to safety systems. Offsite power was restored to the electrical buses at 7:30 p.m. (EDT). High Pressure Coolant Injection and Reactor Core Isolation Cooling systems automatically started to maintain reactor water level. All control rods were fully inserted following the reactor scram and all safety systems responded as designed. The NRC resident inspectors responded to the control room following notification of the scram.

The unexpected loss of the 120 kilovolt switchyard was due to animal intrusion (bird). Power was restored to the switchyard at 3:16 p.m. (EDT) on September 15, 2012.

This preliminary notification is issued for information only.

The state of Michigan has been informed.

The information presented herein has been discussed with the licensee and is current as of 10:40 p.m. (EDT), on September 20, 2012.

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