

PRELIMINARY NOTIFICATION

June 28, 2012

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE – PNO-III-12-006**

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 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: UNPLANNED SCRAM ON JUNE 25, 2012, DUE TO LOSS OF REACTOR FEED PUMP

DESCRIPTION:

On June 25, 2012, at 1330 (EDT), during power ascension following repairs to the main transformer cooling oil pumps, operators of the Unit 2 reactor at the Fermi Power Plant manually scrammed the reactor. Operators scrammed the reactor at approximately 24 percent power due to the loss of one reactor feed pump because of high vibrations. The other reactor feed pump was not in service at the time. All control rods inserted and all plant systems responded normally to the scram. The NRC resident inspectors were onsite at the time and responded to the notification of the scram.

On June 26, 2012, at 0521 (EDT), the licensee entered cold shutdown (Mode 4). The licensee is continuing to investigate the cause of the high vibrations on the reactor feed pump and the subsequent damage to the pump that was identified following the shutdown of the reactor. The NRC resident inspectors continue to follow the issue.

This preliminary notification is issued for information only.

Region III received initial notification of this occurrence by a telephone call from the resident inspector's office (RIO) at approximately 1400 (EDT) on June 25, 2012 (refer to Event Notification No. 48047).

The information presented herein has been discussed with the licensee and is current as of June 28, 2012, at 1:30 p.m. (EDT).

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