

PRELIMINARY NOTIFICATION
July 30, 2012

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE

PNO-III-12-006A

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

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

On July 22, 2012, at 6:56 a.m., Fermi operators commenced a reactor startup following a manual scram on June 25, 2012. The reactor was made critical at 11:49 a.m., on July 22, 2012. On July 23, 2012, an issue arose with the inboard steam isolation valve to the high pressure coolant injection (HPCI) system which required the licensee to shut down the reactor. On July 27, 2012, at 9:24 p.m., Fermi operators commenced a reactor startup following the resolution of the HPCI system issue. The reactor was made critical at 2:38 a.m., on July 28, 2012, and synchronized to the grid at 3:28 a.m., on July 29, 2012.

On June 25, 2012, Fermi inserted a manual reactor scram from approximately 24 percent reactor power due to the loss of one reactor feed pump because of high vibrations. All control rods inserted, the plant responded as expected, no actuation of the emergency core cooling system was required, or occurred, and there was no adverse effect to public health and safety from this event. Upon investigation by the licensee, it was discovered that the damaged reactor feed pump would need significant repair before being placed back in service. The licensee made the decision to start up the plant on one reactor feed pump. The damaged reactor feed pump was electrically and mechanically isolated from the associated systems. The licensee has prepared the appropriate evaluation for the engineering changes required for startup on one reactor feed pump.

The NRC resident inspectors responded to both reactor shutdowns, monitored the licensee's investigation into the reactor feed pump's failure and system isolations, the HPCI issue investigation and fix, and the subsequent restarts.

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

The information presented herein has been discussed with the licensee, and is current as of 12:30 a.m. (CST), on July 30, 2012.

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Contacts: Jamnes Cameron
(630) 829-9833
Jamnes.Cameron@nrc.gov