

## PRELIMINARY NOTIFICATION

April 17, 2018

### **PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE – PNO-III-18-003**

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  
DTE Energy Company  
Newport, MI  
Docket: 50–341

#### **Licensee Emergency Classification**

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

SUBJECT: UNPLANNED SHUTDOWN GREATER THAN 72 HOURS FOLLOWING A LOSS OF STATION SYSTEM TRANSFORMER #64 AND SUBSEQUENT REACTOR SCRAM

On April 14, at 10:20 am (EDT), the Fermi Unit 2 automatically shut down in response to the electrical isolation of Station System Transformer (SST) #64. The isolation of this transformer caused a partial loss of feedwater, which resulted in an automatic scram of the reactor as designed. All control rods inserted and all plant systems responded as designed to the scram. The isolation of SST #64 also caused Division 1 of the safety buses to lose power. Emergency diesel generators automatically started up and provided power the Division 1 safety buses as expected. Power to the redundant Division 2 safety buses was not affected.

The NRC resident inspector responded to the control room after being notified of the reactor scram and observed operators activities.

The licensee is investigating the cause of the SST #64 isolation and will make necessary repairs before the Unit starts up. The NRC resident inspectors will continue follow the licensee's investigation and repair activities.

The State of Michigan has been informed.

Region III received initial notification of this occurrence by a telephone call from the resident inspectors after the scram and from the licensee via Event Notification No. 53336.

The information presented herein has been discussed with the licensee and is current as of April 17, 2018, at 12:45 p.m. (EDT).

This preliminary notification is issued for information only.

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Contact: Billy Dickson  
630–829–9827  
[billy.dickson@nrc.gov](mailto:billy.dickson@nrc.gov)