

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility: Detroit Edison Company
Fermi 2 Nuclear Power Plant
Newport, MI 48166

Docket No. 50-341

Licensee Emergency Classification:
____ Notification of an Unusual Event
____ Alert
____ Site Area Emergency
____ General Emergency
X Not Applicable *01*

Subject: SHUTDOWN TO REPAIR POWER SUPPLY UNIT

At 9:41 a.m. (EDT) on October 9, 1986, a modular power unit automatically shifted to its alternate power supply because of low voltage in the normal power supply. The power transfer resulted in the loss of multiple non safety-related instrument systems in the control room, a partial loss of station air system, and a turbine trip. The modular power unit is one of four instrument power supplies for balance-of-plant instrumentation.

The licensee decided to shut the unit down for the power supply repairs. During the shutdown a problem occurred with the rod sequence control system, hindering the normal manual insertion of control rods. Reactor operators then manually scrambled the unit at 9:09 p.m. (EDT), October 9, 1986.

The shutdown is expected to last at least until October 12, 1986. During the outage, the licensee will evaluate the problems with the rod sequence control system and the modular power unit.

The resident inspections and the Region III (Chicago) restart team will monitor the licensee's activities.

The State of Michigan will be informed.

The licensee notified the Headquarters Duty Officer of the power supply problem at 1:08 p.m. (EDT), October 9, 1986. This information is current as of 9 a.m. (EDT), October 10, 1986.

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