

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. E.M.

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
 Not Applicable

Subject: FIRE IN HPCI MOTOR CONTROL CENTER

At 5:17 p.m. (EDT), on August 6, 1986, a fire and an electric overload alarm were received for a direct current distribution panel which supplies power to components in the High Pressure Coolant Injection (HPCI) System. The plant was operating at 1 per cent power and 135 psig primary pressure at the time.

The fire was located in a cubicle containing the power supply breaker and the control circuits for the HPCI minimum flow valve. The plant fire brigade responded and was extinguishing the fire with portable CO₂ extinguishers when the room CO₂ system activated. Personnel were evacuated from the area because of the CO₂, and the fire brigade reentered the room with self-contained breathing equipment.

At about 6:25 p.m. the smoke and CO₂ had cleared sufficiently to allow general access to the room. The licensee is inspecting the power supply breaker and the effected motor control center to determine the extent of the damage and to ascertain the cause of the fire.

The licensee declared an Alert under its emergency plan at 5:25 p.m. The Alert classification was cancelled at 7:25 p.m. Once conditions were stabilized, the licensee, although not required, decided to shut the plant down at 7:25 p.m. It is currently anticipated that the plant will remain shut down for at least four days while the licensee investigates the cause of the fire and makes repairs to damaged equipment.

At the time of the fire the Senior Resident Inspector was in the Control Room and responded with the fire brigade to observe its actions. Two other NRC inspectors, part of the team observing startup activities, were also on site and monitored the licensee's response to the fire. The inspectors determined that licensee personnel responded well to the incident and that conservative actions were taken. The inspectors will continue to monitor the licensee's investigation of the fire and subsequent recovery activities.

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 PDR I&E
 PNO-III-86-007 PDR

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- 2 -

There were no automatic actuations of safety equipment and no releases of radioactivity associated with the incident.

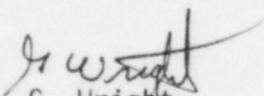
At the time of the event the HPCI system was not required to be operable, because of existing plant conditions. The HPCI system was undergoing startup testing, and the minimum flow valve had been cycled several times and was being cycled at the time the fire was discovered in the control circuitry for the valve.

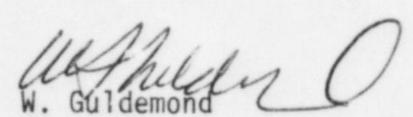
The licensee notified area news media of the fire.

The State of Michigan was notified of the conditions associated with the Alert designation.

The licensee notified the Headquarters Duty Officer of the Alert at approximately 6 p.m., August 6, 1986. This information is current as of 9 a.m. (CDT), August 7, 1986.

CONTACT:


G. Wright
FTS 388-5695


W. Guldemon
FTS 388-5574