

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fermi 2 DOCKET NUMBER (2) 050003411 OF 022

TITLE (4)

Reactor Scrams

EVENT DATE (6)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (9)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	4	27	85	85	011	0	0	05	27	85	050003411

OPERATING MODE (8)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
5	20.402(b)		20.406(c)		<input checked="" type="checkbox"/> 80.73(a)(2)(iv)		73.71(b)			
POWER LEVEL (10) 0.00	20.406(a)(1)(i)		80.36(c)(1)		<input type="checkbox"/> 80.73(a)(2)(v)		73.71(c)			
	20.406(a)(1)(ii)		80.36(c)(2)		<input type="checkbox"/> 80.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)			
	20.406(a)(1)(iii)		80.73(a)(2)(i)		<input type="checkbox"/> 80.73(a)(2)(vii)(A)					
	20.406(a)(1)(iv)		80.73(a)(2)(ii)		<input type="checkbox"/> 80.73(a)(2)(vii)(d)					
	20.406(a)(1)(v)		80.73(a)(2)(iii)		<input type="checkbox"/> 80.73(a)(2)(x)					

LICENSEE CONTACT FOR THIS LER (12)

NAME A.E. Wegele, Compliance Engineer TELEPHONE NUMBER 313 586-5313

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO ☐ EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On April 27, 1985, at 1106 hours and 1406 hours, two RPS actuations occurred from SRM upscale trips. The plant was in Operational Condition 5 with the RPS shorting links removed. All control rods were fully inserted at the time of the RPS actuations.

The SRM upscale trips were caused by a radio-frequency (RF) signal generated by test equipment being used to troubleshoot IRM circuitry located in the same cabinet as the SRM circuitry. A precaution is being added to the appropriate procedure to prevent a recurrence.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Fermi 2	DOCKET NUMBER (2) 0 5 0 0 0 3 4 1 8 5 — 0 1 1 — 0 0 0 2	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
					OF	

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On April 27, 1985, at 1106 hours, an RPS actuation occurred due to an upscale trip on SRM "A". The control room operator reset the scram signal. The plant was in Operational Condition 5 with the RPS shorting links removed to support control rod friction testing. All control rods were fully inserted prior to the RPS actuation thus no rod movement occurred. At 1406 hours the same day, with the plant in the same configuration, the RPS actuated from an upscale trip on SRM "C".

An engineer and technician who were troubleshooting IRM "G" at the IRM preamplifier (which is in the same cabinet as SRM "C") noticed that the second RPS actuation coincided with the Standby/Reset light illuminating on a high voltage power supply they were using. They immediately notified the Nuclear Shift Supervisor (NSS). To confirm this as the cause, the power supply was deenergized then reenergized prior to resetting the scram. This resulted in an SRM "C" upscale trip. The scram was then reset. The test team notified the NSS that they had been conducting the same test on IRM "A" (which shares the same cabinet as SRM "A") at about 1100 hours that morning. It is concluded that the earlier RPS actuation had the same cause.

Subsequent testing of several units of the type of power supply used confirmed that a radio-frequency (RF) signal is generated when the relay for the Standby/Reset indicator picks up. This signal was apparently sensed by the SRM preamplifier causing the upscale trip.

The probability of recurrence is relatively low since the power supply is used only for troubleshooting and would affect only the more sensitive SRM circuitry. Furthermore, an SRM upscale trip would only cause an RPS actuation if the shorting links are removed. Notwithstanding the low probability, a precaution to keep the cabinet door closed until the power supply Standby/Reset light is on will be added to the procedure governing IRM and SRM troubleshooting.

**Detroit
Edison**

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Detroit, Michigan 48226
(313) 237-8000

May 27, 1985
NP-85-0544

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Gentlemen:

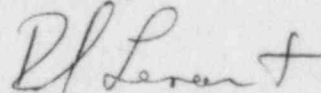
Reference: Fermi 2
NRC Operating License No. NPF-33

Subject: Transmittal of Licensee Event Report No. 85-011

Please find enclosed LER No. 85-011-00, dated May 27, 1985, for a reportable event which occurred on April 27, 1985. As indicated below, a copy of this LER is being sent to the Region III office.

If you have any questions, please contact us.

Sincerely,



R.S. Lenart
Superintendent
Nuclear Production

Enclosure: NRC Forms 366, 366A

cc: Mr. P.M. Byron

Regional Administrator
USNRC Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

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