

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fermi 2										DOCKET NUMBER (2) 0 5 0 0 0 3 4 1										PAGE (3) 1 OF 0 2				
TITLE (4) RPS Actuation During Surveillance Testing																								
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES						DOCKET NUMBER(S)									
0	6	0	6	8	5	8	5	0	2	2	0	0	0	7	0	5	8	5	0 5 0 0 0					
OPERATING MODE (9) 4			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 6. (Check one or more of the following) (11)																					
POWER LEVEL (10) 0 0 0			20.402(b)				20.406(c)				X				80.73(a)(2)(iv)				73.71(b)					
			20.406(a)(1)(i)				80.38(a)(1)								80.73(a)(2)(v)				73.71(c)					
			20.406(a)(1)(ii)				80.38(a)(2)								80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 205A)					
			20.406(a)(1)(iii)				80.73(a)(2)(i)								80.73(a)(2)(viii)(A)									
			20.406(a)(1)(iv)				80.73(a)(2)(ii)								80.73(a)(2)(viii)(B)									
			20.406(a)(1)(v)				80.73(a)(2)(iii)								80.73(a)(2)(ix)									
LICENSEE CONTACT FOR THIS LER (12)																								
NAME A.E. Wegele, Compliance Engineer												TELEPHONE NUMBER AREA CODE 3 1 3 5 8 6 - 5 3 1 3												
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																								
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC														
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)				MONTH	DAY	YEAR						
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO												

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

On June 6, 1985 at 2046 hours while in Operational Condition 4 and prior to initial criticality, an RPS actuation occurred as a result of surveillance testing activities.

The actuation occurred when a spurious transient on a main steam line radiation monitor under test produced a half scram signal on trip system A while a half scram signal was already present from another surveillance test on trip system B. The transient is believed to have been caused by accidental movement of the test signal cable.

In the future, simultaneous testing on both RPS channels will be minimized to the extent practical and will be performed under more controlled conditions.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3180-0104
EXPIRES 8/31/95

FACILITY NAME (1) Fermi 2	DOCKET NUMBER (2) 0 5 0 0 0 3 4 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 366A's (17))

On June 6, 1985 at 2046 hours while in Operational Condition 4 and prior to initial criticality, an RPS actuation occurred as a result of surveillance testing activities. All control rods were fully inserted prior to the actuation and thus no control rod movement occurred.

Prior to the RPS actuation, instrument response time testing was in progress on the Division I main steam line radiation monitor. The Instrumentation and Control (I&C) test leader was attempting to determine the cause of an earlier unsuccessful attempt to perform the test. The test leader directed other test personnel to proceed with a Channel Functional Test on Intermediate Range Monitor (IRM) "F" while he was troubleshooting the Nuclear Steam Supply Shutoff System logic. During this time, a test signal was being fed to the main steam line monitor that produced a sustained 10mR/hr output as part of the response time test.

The IRM "F" Channel Functional Test produced a half scram signal to the B-1 trip system as part of the test. Shortly after the half scram signal was generated and while still present, the A-2 trip system received a half scram signal from the main steam line monitor under test. This caused the RPS actuation.

Subsequent investigation revealed that the main steam line radiation monitor experienced a brief transient causing the downscale, high and high-high trip lamps to illuminate. The strip chart recorder confirmed this observation.

Based on the nature of the transient and previous experience it is concluded that a physical disturbance of the coaxial cable from the signal generator to the main steam line radiation monitor caused the transient. The gain of this instrument is such that very minor variations in input can produce significant changes in the output.

To minimize the probability of recurrence, the conduct of instrument surveillance testing on both RPS channels simultaneously will be minimized to the extent practical and will be performed under more controlled conditions.

Since plant systems responded as designed, no safety significance is attributed to this event.

**Detroit
Edison**

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July 5, 1985
NP-85-743

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

Gentlemen:

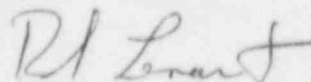
Reference: Fermi 2
NRC Docket No. 50-341
NRC Operating License No. NPF-33

Subject: Transmittal of Licensee
Event Report 85-022

Please find enclosed LER No. 85-022-00, dated July 5, 1985, for a reportable event which occurred on June 6, 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
Mr. M.D. Lynch

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