

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
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TITLE (4)  
RWCU Pump Trip Due to G33F004 Going Closed

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	1 7	8 5	8 5	0 2	7 0	0 7	1 7	8 5			0 5 0 0 0
											0 6 0 0 0

OPERATING MODE (8) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	20.402(b)	<input checked="" type="checkbox"/>	20.406(e)	<input type="checkbox"/>	80.73(a)(2)(iv)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
	20.406(a)(1)(i)	<input type="checkbox"/>	80.36(c)(1)	<input type="checkbox"/>	80.73(a)(2)(v)	<input type="checkbox"/>	73.71(e)	<input type="checkbox"/>		
	20.406(a)(1)(ii)	<input type="checkbox"/>	80.36(c)(2)	<input type="checkbox"/>	80.73(a)(2)(vi)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(iii)	<input type="checkbox"/>	80.73(a)(2)(i)	<input type="checkbox"/>	80.73(a)(2)(viii)(A)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(iv)	<input type="checkbox"/>	80.73(a)(2)(ii)	<input type="checkbox"/>	80.73(a)(2)(viii)(B)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(v)	<input type="checkbox"/>	80.73(a)(2)(iii)	<input type="checkbox"/>	80.73(a)(2)(x)	<input type="checkbox"/>		<input type="checkbox"/>		

LICENSEE CONTACT FOR THIS LER (12)

NAME A.E. Wegele, Compliance Engineer	TELEPHONE NUMBER AREA CODE: 3 1 1 3 5 1 8 6 1 - 1 5 1 3 1 1 3
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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)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On June 17, 1985, with the plant in Operational Condition 4, and prior to initial criticality, outboard primary containment isolation valve G33F004 of the Reactor Water Cleanup (RWCU) system went closed. Closure of this valve, in turn, caused both RWCU pumps to trip as designed.

The Nuclear Supervising Operator could find no cause for the valve isolation. The valve isolation logic was reset, and the RWCU system was placed back in service.

An investigation of this event was conducted and did not yield a cause for the valve isolation. There is no safety significance to this event.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Fermi-2	DOCKET NUMBER (2)  0 5 0 0 0 3 4 1 8 5 - 0 2 7 - 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On June 17, 1985, with the plant in Operational Condition 4, and prior to initial criticality, outboard primary containment isolation valve G33F004 of the Reactor Water Cleanup (RWCU) system went closed at 0458 hours. Closure of this valve, in turn, caused both RWCU pumps to trip as designed. The Nuclear Supervising Operator (NSO) could find no cause for the valve isolation. The NSO reset the valve isolation logic at 0500 hours, and then placed the RWCU system back in service.

Valve G33F004 is the outboard primary containment isolation valve in the common supply line to the RWCU pumps from the reactor pressure vessel. The valve is powered and controlled from the Division II DC bus. The valve control logic isolates the valve on high ambient temperature in the area of the RWCU system piping (leak detection), or high system differential flow. Upon closure of either the inboard or outboard isolation valves, the RWCU pumps receive a trip signal. The RWCU system leak detection and differential flow isolation signals, and pump motor trip are alarm points in the annunciator system.

An investigation was conducted to determine the cause of the RWCU valve isolation. No cause could be determined. The annunciator system sequence of events recorder log was reviewed for the time period in which the valve isolation occurred. The log showed that only a RWCU motor trip had occurred and no system isolation alarms were present. A review was performed of the only surveillance activity that was underway when this event occurred. No connection between the surveillance and the isolation could be derived. Surveillances were performed that functionally tested the RWCU valve isolation control logic. These surveillances did not detect any anomalies in the parts of the system that were tested.

There is no safety significance associated with this event.

**Detroit  
Edison**

2000 Second Avenue  
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July 17, 1985  
NP-85-791

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

Gentlemen:

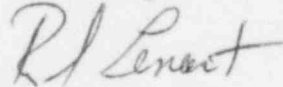
Reference: Fermi 2  
NRC Docket No. 50-341  
NRC Operating License No. NPF-33

Subject: Transmittal of Licensee  
Event Report 85-027

Please find enclosed LER No. 85-027-00, dated July 17, 1985, for a reportable event which occurred on June 17, 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

Regional Administrator  
USNRC Region III  
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