

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fermi 2										DOCKET NUMBER (2) 0 5 0 0 0 3 4 1					PAGE (3) 1 OF 2	
TITLE (4) RWCU Isolation																
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)			
07	06	85	85	034	0	08	05	85					0 5 0 0 0			
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)																
OPERATING MODE (9)		2		20.402(b)		20.405(c)		X		50.73(a)(2)(iv)		73.71(b)				
POWER LEVEL (10)		001		20.405(a)(1)(i)		50.36(a)(1)				50.73(a)(2)(v)		73.71(e)				
				20.405(a)(1)(ii)		50.36(c)(2)				50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)				
				20.405(a)(1)(iii)		50.73(a)(2)(i)				50.73(a)(2)(viii)(A)						
				20.405(a)(1)(iv)		50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)						
				20.405(a)(1)(v)		50.73(a)(2)(iii)				50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME L.P. Bregni, 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 NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
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 July 6, 1985 at 0521 with the reactor in Operational Condition 2 at approximately 1% power the Reactor Water Cleanup (RWCU) system's inboard and outboard primary containment isolation valves closed. The isolation was caused by a RWCU system high differential flow signal. The root cause for the valve closures appears to have been an inadequate instrument loop calibration procedure which did not ensure complete loop calibration. The procedure has been revised and the instrument loop has been recalibrated using the new procedure.

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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)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Fermi-2	05000341	85	034	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 365A's) (17)

On July 6, 1985 at 0521 hours with the reactor in Operational Condition 2 at approximately 1% power, the Reactor Water Cleanup (RWCU) system's inboard and outboard primary containment isolation valves closed because of a high differential flow signal. After confirming that there was no RWCU leakage, the isolation was reset and the system returned to service by the control room operator at 0530. At the time, the isolation was thought to be caused by system flow abnormalities associated with controlling reactor vessel level.

An investigation of the differential flow instrumentation behavior continued following the event. During this investigation, I & C personnel recognized that the calibration procedure for the differential flow channel did not adequately address calibration of the loop summing device. On July 20, 1985 at 2000 hours the Nuclear Shift Supervisor was notified of this condition. The loop was declared inoperable at 2215, and at 2230 the outboard isolation valve was closed in accordance with Technical Specifications. The calibration procedure was revised and the calibration reperformed.

On July 23, 1985 at 1458 hours the recalibration was completed with satisfactory results, the instrument loop was declared operable and a RWCU system restart commenced.

The calibration revealed that the differential flow indication was erroneously high. This error, when combined with the oscillating indications resulting from flow adjustments made the day of the event, is believed to be the cause of the isolation.

No safety significance is attached to this event.

**Detroit  
Edison**

2000 Second Avenue  
Detroit, Michigan 48226  
(313) 237-8000

August 5, 1985  
NP850008

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

Gentlemen:

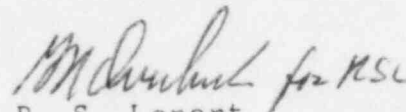
Reference: Fermi 2  
NRC Docket No. 50-341  
NRC Operating License No. NPF-43

Subject: Transmittal of Licensee  
Event Report 85-034

Please find enclosed LER No. 85-034-00, dated August 5, 1985, for a reportable event which occurred on July 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  
Plant Manager

Enclosure: NRC Forms 366, 366A

cc: Mr. P.M. Byron  
Mr. M.D. Lynch

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