

## LICENSEE EVENT REPORT (LER)

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1) Fermi 2										DOCKET NUMBER (2) 0 5 0 0 0 3 4 1 1 OF 0 3										PAGE (3) 1 OF 0 3																													
TITLE (4) Reactor Coolant System Leakage Limit Surveillance Interval Exceeded Due to Personnel Error																																																	
EVENT DATE (5) 0 6 0 7 8 7 8 7 - 0 2 1 - 0 1 0 8 2 1 8 7										LER NUMBER (6) 0 2 1 - 0 1 0 8 2 1 8 7										REPORT DATE (7) 0 1 0 8 2 1 8 7										OTHER FACILITIES INVOLVED (8) N/A																			
OPERATING MODE (9) 1										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)										DOCKET NUMBER(S) 0 5 0 0 0 0 0 0 0 0																													
POWER LEVEL (10) 0 3 2										20.402(b)										20.405(c)										50.73(a)(2)(iv)										73.71(b)									
										20.405(a)(1)(i)										50.36(c)(1)										50.73(a)(2)(v)										73.71(c)									
										20.405(a)(1)(ii)										50.36(c)(2)										50.73(a)(2)(vi)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
										20.405(a)(1)(iii)										50.73(a)(2)(i)										50.73(a)(2)(vii)(A)																			
										20.405(a)(1)(iv)										50.73(a)(2)(ii)										50.73(a)(2)(vii)(B)																			
										20.405(a)(1)(v)										50.73(a)(2)(iii)										50.73(a)(2)(ix)																			
LICENSEE CONTACT FOR THIS LER (12) Girija S. Shukla, Compliance Engineer																														TELEPHONE NUMBER 3 1 3 5 8 6 - 1 6 1 7																			
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																	
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NRCDS																																																	
SUPPLEMENTAL REPORT EXPECTED (14)																																																	
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO										EXPECTED SUBMISSION DATE (15)										MONTH DAY YEAR																			

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

Technical Specifications require that the Reactor Coolant System (RCS) leakage be demonstrated to be within allowable limits at least once per four hours. On June 7, 1987 the RCS leakage limit surveillance interval, including the 25% maximum allowable extension, was exceeded by one hour.

This event was caused by personnel error. Contrary to a surveillance procedure, RCS leakage was not documented to be within Technical Specification limits once per four hours. A high level of non-routine activities in the control room contributed to this event.

The surveillance was successfully completed demonstrating that RCS leakage was within Technical Specification limits. To prevent recurrence, instructions were given to Operations personnel on the importance of completing surveillance procedures on time as a part of their operational activities.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES: 8/31/88

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

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

Plant Conditions:

Operational Condition: 1 (Power Operation)  
Reactor Power: 32%  
Reactor Pressure: 930 psig  
Reactor Temperature: 530 degrees Fahrenheit

Description of Event:

Technical Specification surveillance requirements 4.4.3.2.1 b and c state that the Reactor Coolant System (RCS) (AD) leakage shall be demonstrated to be within Technical Specification limits by monitoring the primary containment sump (WK) flow rate and the drywell floor drain sump (WK) level at least once per four hours. On June 7, 1987 the RCS leakage limit surveillance interval, including the 25% maximum allowable extension, was exceeded by one hour.

Attachment 1 of surveillance procedure 24.000.02 "Shiftly, Daily, Weekly and Situation Required Surveillances" schedules the performance of the leakage monitoring every four hours beginning at 0000 hours. On June 7, 1987 the RCS leakage limit surveillance was required to be completed at 1200 hours. However, during shift turnover, a review of the logs by the control room Nuclear Supervising Operator (NSO) revealed that the calculations were not completed until 1400 hours.

Readings needed in order to determine whether or not the RCS leakage was within Technical Specification limits were started by 1200 hours. Prior to the completion of the final calculations, it became necessary for the control room NSO to perform a large number of unplanned activities in order to maintain plant operation. Before suspending the surveillance, the operator had reviewed the drywell sump level recorder trace (G11-RX01). The operator noted that the level as being less than 15 inches with a normal increasing slope. This indicated that an above normal leakage condition did not exist. Final calculations which documented this fact were completed at 1400 hours.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Fermi 2	0500034187	—	021	—01	03	OF	03

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

Cause of Event:

This event was caused by a cognitive personnel error (utility, licensed). Contrary to surveillance procedure 24.000.02, RCS leakage was not documented to be within Technical Specification limits once per four hours. The high level of non-routine activities in the control room contributed to this event.

Corrective Action:

The surveillance was successfully completed at 1400 hours demonstrating that RCS leakage was within Technical Specification limits. To prevent recurrence, instructions were given to Operations personnel on the importance of completing surveillance procedures on time as a part of their operational activities.

Analysis of Event:

The Technical Specification surveillance requirement assures that RCS leakage is within acceptable limits. Successful completion of the surveillance at 1400 hours verified that the leakage limits of Technical Specification 4.4.3.2.1 were met. Subsequent to this event, a review of the sequence of events recorder printout from approximately 0800 hours to 1600 hours on June 7, 1987 revealed that sump high level alarms did not annunciate and that no automatic start of the sump pumps occurred.

Previous Similar Events:

There have been other events involving missed surveillances but the majority of these were caused by scheduling or procedural errors. LER 85-062 reported an event where a Technical Specification surveillance was not performed within the required time interval due to personnel error.



Detroit  
Edison

Fermi 2  
6413 North Dixie Highway  
Newport, Michigan 48166  
(313) 586-4000

10CFR50.73

August 21, 1987  
NRC-87-0125



Nuclear  
Operations

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

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

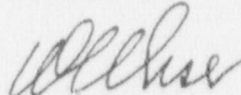
Transmittal of Licensee Event Report  
87-021-00 dated July 6, 1987 NRC-87-0091

Subject: Licensee Event Report (LER) No. 87-021-01

Please find enclosed LER No. 87-021-01, dated August 21, 1987, for a reportable event that occurred on June 7, 1987. This LER has been revised to make a correction to the original LER. A copy of this LER is also being sent to the Regional Administrator, USNRC Region III.

If you have any questions, please contact Mr. Girija Shukla at (313) 586-1617.

Sincerely,



W. S. Orser  
Plant Manager

Enclosure: NRC Forms 366, 366A

cc: A. B. Davis  
J. R. Eckert  
E. G. Greenman  
W. G. Rogers  
J. J. Stefano

Wayne County Emergency  
Management Division

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