

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): Ferri 2 DOCKET NUMBER (2): 0500003411 PAGE 3: 1 OF 03

TITLE (4): Reactor Pressure Exceeds 150 PSIG Without High Pressure Cooling Injection or Reactor Core Isolation Cooling Being in Standby

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	1	1	8	8	8	0	0	5	0	0	0	2	1	0	8	8	N/A	0	5	0	0	0
												N/A										

OPERATING MODE (9): 2 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11):

20.402(b)	20.406(e)	50.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	50.36(e)(1)	50.73(a)(2)(v)	73.71(c)
20.406(a)(1)(ii)	50.36(e)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	
20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12):

NAME: Patricia Anthony, Compliance Engineer TELEPHONE NUMBER: 3135186-1617

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):

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 January 11, 1988 at 0543 hours, reactor pressure exceeded 150 psig without the High Pressure Cooling Injection System or the Reactor Core Isolation Cooling System being operable by placing them in the standby lineup. This resulted in entry into Technical Specification 3.0.3. By 0610 hours, both systems had been placed in standby lineup.

The cause of this event was personnel error by the Nuclear Shift Supervisor. He assumed that he had twelve hours to place both systems in service once the plant exceeded 150 psig.

The individual involved has been disciplined in accordance with company policy. Required reading on this event was issued to operations personnel. Discussions of this event have been held between operations management and the Nuclear Shift Supervisors.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 8	- 0 1 0 5	- 0 1 0	0 2	OF	0 3

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

Initial Plant Conditions:

Operational Condition: 2 (Startup)  
 Reactor Power: less than 1%  
 Reactor Temperature: 360 degrees Fahrenheit  
 Reactor Pressure: 155 psig

Description of Event:

On January 11, 1988 at 0543 hours, the plant exceeded 150 psig without having placed the High Pressure Cooling Injection (HPCI) (BJ) or the Reactor Core Isolation Cooling (RCIC) (BN) Systems in standby lineup to make them operable. This was in violation of Technical Specification 3.0.1 and 3.7.4 requirements and resulted in entry into Technical Specification 3.0.3. This specification requires that action be taken within one hour to initiate placing the unit in an operational condition in which the specification does not apply. Entry into Technical Specification 3.0.3 was not recognized at the time.

Standby lineup for the HPCI System was established at 0602 hours when the steam valves (V) were fully opened. At 0610 hours the RCIC System was placed in standby lineup. Therefore, action was not required to be taken in compliance with Technical Specification 3.0.3.

Cause of the Event:

This event was caused by a cognitive error by the Nuclear Shift Supervisor (utility-licensed). He believed that he had 12 hours to place HPCI and RCIC in standby lineup once the plant had exceeded 150 psig. Therefore, he directed that reactor pressure continue to be raised.

Analysis of Event:

The RCIC System is not an Emergency Core Cooling System (ECCS) at Fermi 2. Its intended function is to supply core cooling without challenging any of the ECUS in the event of a reactor isolation accompanied by a loss of feedwater. Therefore, its unavailability would not significantly impact the ability to achieve safe shutdown.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (if more space is required, use additional NRC Form 305A's) (17)

While the HPCI System is part of the ECCS, at 150 psig the low pressure cooling systems can provide adequate core cooling in the event of a condition which would require HPCI operation. In addition, if the HPCI System fails when required, the Automatic Depressurization System can depressurize the reactor until the low pressure cooling systems can be used for core cooling.

Corrective Actions:

An appropriate level of discipline was administered to the individual involved in accordance with company guidelines. Additionally, operations management discussed this event with the Nuclear Shift Supervisors in order to verify their understanding of the requirements. Finally, an urgent required reading was issued to operations shift personnel on January 11, 1988 addressing this issue.

Previous Similar Events:

In Licensee Event Reports 86-037 and 87-012, the simultaneous inoperability of HPCI and RCIC were reported. The first report was caused by an unclear statement in an Instrumentation and Control surveillance procedure. Entry into Technical Specification 3.0.3 was not recognized in that instance. The procedure was revised to clarify the step. The second time was due to the component failure which rendered several Division I HPCI and RCIC isolation actuation instruments inoperable. In this instance, entry into Technical Specification 3.0.3 was recognized and the appropriate actions taken.

Detroit  
Edison

William S. Orser  
Vice President  
Nuclear Operations

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10CFR50.73



Nuclear  
Operations

February 10, 1988  
NRC-88-0020

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

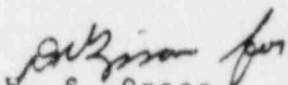
Reference: Fermi 2  
NRC Docket No. 50-341  
Facility Operating License No. NPF-43

Subject: Licensee Event Report (LER) No. 88-005-00

Please find enclosed LER No. 88-005-00, dated February 10, 1988, for a reportable event that occurred on January 11, 1988. A copy of this LER is also being sent to the Regional Administrator, USNRC Region III.

If you have any questions, please contact Patricia Anthony at (313) 586-1617.

Sincerely,

  
W. S. Orser  
Vice President  
Nuclear Operations

Enclosure: NRC Forms 366, 366A

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

Wayne County Emergency  
Management Division

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