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10CFR50.73

November 20, 1992  
NRC-92-0130

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

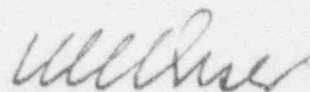
Reference: Fermi 2  
NRC Docket No. 50-341  
NRC License No. NPF-43

Subject: Licensee Event Report (LER) No. 92-011

Please find enclosed LER No. 92-011, dated November 20, 1992, for a reportable event that occurred on October 24, 1992. A copy of this LER is also being sent to the Regional Administrator, USNRC Region III.

If you have any questions, please contact Joseph Pendergast, Compliance Engineer, at (313) 586-1682.

Sincerely,



Enclosure: NRC Forms 366, 366A

cc: T. G. Colburn  
A. B. Davis  
M. P. Phillips  
W. J. Kropp  
P. L. Torpey

Wayne County Emergency  
Management Division

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## 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 3																													
TITLE (4) Reactor Pressure Vessel Low Level Trips During Vessel Pressure Test Due to Bumping an Instrument Rack																																																	
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)												
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1 0 2			4 9			2 9 2			0 1 1			0 0 1			1 2 0			9 2													0 5 0 0 0																		
OPERATING MODE (9) 4										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																							
POWER LEVEL (10) 10										20.402(b)										<input checked="" type="checkbox"/> 20.406(e)										<input checked="" type="checkbox"/> 50.75(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)(vii)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
										20.406(a)(1)(iii)										50.73(a)(2)(i)										50.73(a)(2)(viii)(A)																			
										20.406(a)(1)(iv)										50.73(a)(2)(ii)										50.75(a)(2)(viii)(B)																			
20.406(a)(1)(v)										50.73(a)(2)(iii)										50.73(a)(2)(ix)																													
LICENSEE CONTACT FOR THIS LER (12)																																																	
NAME Joseph M. Pendergast, Compliance Engineer																				TELEPHONE NUMBER 3 1 3 5 8 6 - 1 6 8 2																													
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)																				<input checked="" type="checkbox"/> NO																													

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

On October 24, 1992, plant personnel were performing the Reactor Pressure Vessel leakage test at hydraulic pressure (water solid) of 1045 psig. The plant was in Cold Shutdown and the Control Rods were fully inserted. At 1916 hours invalid Reactor water level (level 3, level 2, level 1) signals were received. The following Engineered Safety Feature actuations occurred: Nuclear Steam Supply Shut-off System isolated, Division 1 Drywell pneumatics and the Torus Water Management system isolated, Division 1 Core Spray started automatically and the Emergency Diesel Generators automatically started. The Division 1 Anticipated Transient Without Scram [ATWS]/Alternate Rod Insertion [ARI] logic tripped causing the Reactor Protection System to insert a full scram signal due to high water level in the scram discharge volume. There was no control rod movement. Reactor pressure was stabilized at 850 to 900 psig and the Reactor scram signal was reset at 1930 hours.

Instrument Rack H21-P004 had been bumped by a Radiation Protection technician while moving a rolling bucket. A mop within the rolling bucket was being moved out of the way of a step off pad. The bumping of the instrumentation by the mop handle caused a vibration in the sensing lines. As corrective action, during refueling outages a barrier will be installed around the instrument rack to preclude bumping of the rack.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)  Fermi 2	DOCKET NUMBER (2)  0 5 2 0 0 3 4 1	LER NUMBER (6)			PAGE (3)		
		YEAR 1992	SEQUENTIAL NUMBER 011	REVISION NUMBER 00	02	OF	03

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

Initial Plant Conditions:

Operational Condition: 4 (Cold Shutdown)  
Reactor Power: 0 Percent  
Reactor Pressure: 1045 psig  
Reactor Temperature: 189 degrees Fahrenheit

Description of the Event:

On October 24, 1992, plant personnel were performing the Reactor Pressure Vessel [RPV] leakage test at hydraulic pressure (water solid) of 1045 psig. The plant was in Cold Shutdown and the Control Rods [AA] were fully inserted. At 1916 hours invalid Reactor water level (level 3, level 2, level 1) signals were received. The following Engineered Safety Feature [(ESF)(JE)] actuations occurred: Nuclear Steam Supply Shut-off System [JC] isolated, Division 1 Drywell [NH] pneumatics and the Torus Water Management [CG] system isolated, Division 1 Core Spray [BM] started automatically and the Emergency Diesel Generators [EK] automatically started.

Reactor pressure momentarily decreased to 550 PSIG as the Scram Discharge Volume [CF] filled. The Division 1 Anticipated Transient Without Scram [ATWS]/Alternate Rod Insertion [ARI] logic tripped causing the Reactor Protection System [JC] to insert a full scram signal due to high water level in the scram discharge volume. There was no control rod movement. The Core Spray system did not inject since Reactor pressure remained above the Core Spray discharge head. There was no automatic loading of the EDGs onto the safety related buses.

Reactor pressure was stabilized at 850 to 900 psig and the Reactor scram signal was reset at 1930 hours.

A review of the safety systems which did and did not actuate was conducted. The conclusion was that all safety systems responded appropriately. Subsequently, the RPV leakage test resumed and was satisfactorily completed.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530) U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104) OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)  Fermi 2	DOCKET NUMBER (2)  0 5 0 0 0 3 4 1	LER NUMBER (6)			PAGE (3)	
		YEAR 9 2	SEQUENTIAL NUMBER 0 1 1	REVISION NUMBER 0 0	0 3 OF 0 3	

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

Cause of the Event:

Instrument Rack H21-P004 had been bumped by a Radiation Protection technician (contract non-licensed) while moving a rolling bucket. A mop within the rolling bucket was being moved out of the way of a step off pad. The bumping of the instrumentation by the mop handle caused a vibration in the sensing lines. The mop handle had struck a level transmitter or associated tubing. The striking of the instrumentation caused a vibration in the sensing lines. The rolling bucket and mop had been placed there by decontamination personnel (contract non-licensed), staged for decontamination activities.

The root cause of this event was personnel error in that plant personnel did not avoid inadvertent contact with instrumentation on rack H21-P004.

Analysis of the Event:

The instrument rack level transient actuated ESF systems, which functioned as designed. Had the actual Reactor vessel water level required the operation of the ESF systems involved, their actuation and performance would have already been initiated and performed their designed safety functions. If this event would have occurred during reactor operation an unexpected plant shutdown would have been the result. However, the ESF systems involved would have functioned properly.

Corrective Actions:

During refueling outages a barrier will be installed around the instrument rack H21-P004.

Previous Similar Events:

None.