

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 7 4					PAGE (3) 1 OF 0 3	
TITLE (4) High Pressure Core Spray Jockey Pump Failure																
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 4	0 3	8 4	8 4	0 1 4	0 0	0 5	0 3	8 4					0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)														
2		20.402(b)				20.405(e)				80.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.405(a)(1)(i)				80.38(a)(1)				X 80.73(a)(2)(v)				73.71(a)		
0 0 1		20.405(a)(1)(ii)				80.38(a)(2)				80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)		
		20.405(a)(1)(iii)				80.73(a)(2)(ii)				80.73(a)(2)(vii)(A)						
		20.405(a)(1)(iv)				80.73(a)(2)(iii)				80.73(a)(2)(viii)(B)						
		20.405(a)(1)(v)				80.73(a)(2)(iv)				80.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME Vincent Masterson, E.A., extension 499										TELEPHONE NUMBER						
										AREA CODE 8 1 5 3 5 7 - 6 7 6 1						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRCDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRCDS						
X	BIG	XIXIX X	R 116 15	Y												
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)																
<p>On April 3, 1984, the Unit 2 High Pressure Core Spray Water Leg Pump, 2E22-C003, motor bearing was discovered to be failing and in need of replacement. The High Pressure Core Spray System (BG) was declared inoperable and the provisions of Technical Specification 3.5.1 Action Statement C.1 were complied with. Redundant safety systems were available at the time of the occurrence allowing plant operation to continue.</p> <p>The pump motor was removed, the bearings in the motor examined and a new motor, like for like replacement was installed. The motor was meggered and verified for proper alignment and rotation. Repairs to the Unit 2 High Pressure Core Spray Water Leg Pump were completed on April 4, 1984.</p>																
8405080057 840503 PDR ADOCK 05000374 S PDR																

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/86

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 2	05000374	84	014	010	02	OF	03

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

I. EVENT DESCRIPTION

On April 3, 1984, the Unit 2 High Pressure Core Spray System (BG) Water Leg Pump (2E22-C003) motor bearing was discovered to be failing and in need of replacement. The High Pressure Core Spray System was declared inoperable and the High Pressure Core Spray Water Leg Pump subsequently taken out of service. The provisions of Technical Specification 3.5.1 Action Statement C.1, which places a 14 day time clock on restoring the High Pressure Core Spray System, was maintained in compliance.

II. CAUSE

At the time of discovering the High Pressure Core Spray (HPCS) Water Leg Pump bearing failure the Unit was in the Start-Up Mode at approximately 1% power. The time of the occurrence was 1615 on April 3, 1984. The HPCS water leg pump was discovered to be making a loud noise which alerted the Operator to the problem with the pump.

The cause of the failure was due to a bad motor bearing. The failure of the bearing appears to be due to abnormal wear, possibly from the motor shaft. It is not known why the bearing wore out prematurely.

This appears to be an isolated case.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence, Unit 2 was in the Start-Up Mode with Reactor power at 1%.

During the time that the High Pressure Core Spray System (BG) was inoperable, the Low Pressure Core Spray System (BM), the Low Pressure Coolant Injection System (BO), and the Reactor Core Isolation Cooling System (BN) were all operable and available. This complies with Action Statement C.1 of Technical Specification 3.5.1, which allows 14 days to complete repairs while plant operation continues based on the availability of the BM, BO and BN Systems.

The occurrence had no detrimental effect on plant operation as redundant systems were available.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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			
LaSalle County Station Unit 2	050003748	4	014	0	0	3	OF 03

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

IV. CORRECTIVE ACTION

Work Request L35289 was written to investigate and repair the motor of the Unit 2 HPCS water leg pump.

The motor was disconnected, the bearings in the motor examined, and a new motor, like for like replacement, was installed. The new motor was meggered and verified to have proper alignment and rotation.

The Work Request (L35289) was completed on April 4, 1984.

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Vincent Masterson, E.A., 815-357-6761, extension 499.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

May 3, 1984

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

Dear Sir:

Reportable Occurrence Report #84-014-00, Docket #050-374 is being submitted to your office in accordance with 10 CFR 50.73.

G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director
INPO-Records Center
File/NRC

IE22
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