

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 1										PAGE (3) 1 OF 0 3	
TITLE (4) Reactor Scram on Low RPV Level																					
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)									
04	14	84	84	022	0005	10	84					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)																			
1		20.402(b)				20.406(a)				X		90.73(a)(2)(iv)		73.71(b)							
POWER LEVEL (10)		0 1 5 2				20.406(a)(1)(i)						90.73(a)(2)(v)		73.71(a)							
		20.406(a)(1)(ii)				90.38(a)(1)						90.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 306A)							
		20.406(a)(1)(iii)				90.38(a)(2)						90.73(a)(2)(vii)									
		20.406(a)(1)(iv)				90.73(a)(2)(i)						90.73(a)(2)(viii)(A)									
		20.406(a)(1)(v)				90.73(a)(2)(ii)						90.73(a)(2)(viii)(B)									
		20.406(a)(1)(vi)				90.73(a)(2)(iii)						90.73(a)(2)(ix)									
LICENSEE CONTACT FOR THIS LER (12)												TELEPHONE NUMBER									
NAME R. D. Koenig, extension 499												AREA CODE 8 1 1 5				3 1 5 1 7 1 - 1 6 7 1 6 1 1					
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											
A	J 1 B	Z 1 9 9 1 9	Z 1 9 9 9	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 14, 1984, at 1905 hours, while in the process of placing the 1B Turbine Driven Reactor Feed Pump (SJ, TDRFP) on line for after maintenance testing, a low water level, half-scram occurred on Unit 1. The Unit 1 Operator responded by placing the 1B TDRFP into 3 Element Automatic Control and increased the lowered (22") reactor water level controller (JB) setpoint. When the Unit 1 Reactor water level reached 12.5", the Unit 1 Reactor scrambled. PCIS and the Reactor recirculation (AD) pumps responded as required and the unit was safely shut down.</p> <p>The cause of this event was due to Operator miscalculation.</p> <p>The vessel level instruments were checked and found to be above the designed setpoint in the conservative direction. Feedwater operating procedures will be checked for clarity in placing a TDRFP on line. The Operator on shift was talked to about the proper way to place a TDRFP on line.</p>																					
8405150225 840510 PDR ADOCK 05000373 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)

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LaSalle County Station Unit 1

0 5 0 0 0 3 7 3 8 4 - 0 2 2 - 0 0 0 2 OF 0 3

TEXT (If more space is required, use additional NRC Form 308A's) (17)

I. EVENT DESCRIPTION

On April 14, 1984, at 1905 hours, while in the process of placing the 1B Turbine Driven Reactor Feed Pump (SJ, TDRFP) on line for after maintenance testing, a low water level, half scram occurred on Unit 1. The Unit 1 Operator responded by placing the 1B TDRFP into 3 Element Automatic Control and increasing the lowered Reactor water level controller (JB) setpoint up from 22". Vessel level turnaround did not occur in time.

When vessel level reached approximately 12.5 inches, the Unit 1 Reactor scrambled. PCIS (JM) and the Reactor recirculation (AD) pumps' downshift responded as required and the unit was safely shut down.

II. CAUSE

The predominate cause leading to the low water level scram was Operator miscalculation.

Unit 1 was in Power Operation (52%). While bringing the 1B TDRFP up for testing (in manual control), after maintenance, the Unit 1 Operator miscalculated the vessel level transient upon restart. Vessel level dropped down to approximately 19 inches, producing a half-scram. At this point the Unit 1 Operator placed the 1B TDRFP into 3 Element Automatic and increased the Reactor water level control (JB) demand setpoint. When vessel level reached approximately 12.5 inches (scram setpoint) the Unit 1 Reactor scrambled. All systems responded as required to shut down the unit.

III. PROBABLE CONSEQUENCES OF OCCURRENCE

The consequences of this event were minimal. The Reactor low vessel level was detected by the vessel instrumentation. When vessel water level reached a scram level of 12.5 inches, the instrumentation responded as required and scrambled the unit. Safe shut down of the unit occurred.

This scram would not be expected to have been worse had the unit been at a higher power level.

IV. CORRECTIVE ACTION

The vessel level instrumentation setpoints were checked and found to be above the 12.5 inch setpoint in the conservative direction. The setpoint of the instrument that caused the initial half-scram was set at 19 inches. The setpoints were readjusted to within tolerance.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/80

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	0500037384	02	2	00	03	OF	03

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

IV. CORRECTIVE ACTION (Continued)

An Action Item Record (AIR-1-84-67073) was generated to review all feedwater procedures related to the TDRFP. This AIR will request a review of clarity of the manner the procedures describe for bringing a TDRFP on line for Reactor water level control (JB).

The event was discussed with the licensed Operator, who was in charge of Unit 1 at the time of the occurrence to review the proper method of bringing a TDRFP on line, and appropriate precautions to follow.

V. PREVIOUS OCCURRENCES

While low water level scrams have occurred previously, no previous events of this type have occurred to date.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

R. D. Koenig, 815/357-6761, extension 499.



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

May 10, 1984

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

Dear Sir:

Reportable Occurrence Report #84-022-00, Docket #050-373 is being submitted to your office in accordance with 10 CFR 50.73.

*C E Dierich*

G. J. Dierich  
Superintendent

*for* LaSalle County Station

GJD/MLD/kg

Enclosure

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

IE-22

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