

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3	PAGE (3) 1 OF 0 2
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TITLE (4)  
Leak in Narrow Range Level Indication Variable Leg

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)
1	0	23	8	4	06	1	1	19	NA		0 5 0 0 0
8	4	84	8	4	06	1	1	84			0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

OPERATING MODE (9) 4	20.402(b)	20.405(a)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 0 0	20.405(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)
	20.405(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 386A)
	20.405(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
	20.405(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
	20.405(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME James E. Beke, extension 323	TELEPHONE NUMBER 8 1 5 3 5 7 7 6 7 6 1 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
B	J B	T B I G	G O I 8 I O	N					

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 October 23, 1984 at 2100, a leaking fitting on the variable leg for Vessel Level was found causing a loss of accurate level indication for the Shutdown, Upset and Narrow Range A and B instruments. It is believed tubing was installed slightly crooked causing the fitting to not compress properly. Since LaSalle Unit 1 was in Mode 4, Cold Shutdown, the consequences were a loss of accurate level indication. If operating at power a low level scram could have occurred. A temporary sensing line was connected to provide accurate level indication, until the leaking fitting was replaced.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  LaSalle County Station Unit 1	DOCKET NUMBER (2)  0-5000373						LER NUMBER (6)			PAGE (3)	
	YEAR	SEQUENTIAL NUMBER		REVISION NUMBER							
	84	069		00		0	2	OF	0	2	

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

I. EVENT DESCRIPTION

On October 22, 1984, at 2100 hours a leak was found at a fitting on the variable leg to Instrument Rack, 1H22-1027, causing a loss of accurate level indication for the Shutdown, Upset and Narrow Range A and B instruments. This also affected the A1 and B1 low level (level 3) scram switches and the ESS2 ADS level 3 confirmed switch.

II. CAUSE

It is believed that during initial construction the tubing was installed slightly crooked causing the fitting to not compress properly. This allowed the ferrule to slip on the tubing causing the leak.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence, LaSalle Unit 1 was in Mode 4, Cold Shutdown. The consequence of this event was a loss of accurate level indication for the Shutdown and Upset ranges. The rate of the leak was slow and did not significantly affect the level indication. Had the leak been greater, a loss of level indication could have occurred. The consequences of this leak would have been more severe if the unit were operating at power. Since the leak was in the variable leg, instrumentation "saw" a lower level than actually was present. A low level scram could have occurred depending on the rate of the leak, or feedwater control would have raised vessel level possibly causing a high level alarm on C narrow range instrument. LaSalle County instrument lines penetrating the primary containment are designed in accordance with Regulatory Guide 1.11. This design would have limited the leakage from the reactor vessel to the secondary containment. The failure of instrument lines is analyzed in the Updated Final Safety Analysis Report (UFSAR).

IV. CORRECTIVE ACTION

A temporary sensing line was connected to provide accurate Shutdown and Upset Level Indication. The leaking fitting and associated tubing was repaired and/or replaced. The instrument racks connected to the reactor vessel are observed for leakage periodically and any leakage of this type would have been noticed. No further action is required.

V. PREVIOUS OCCURRENCES

No other previous occurrences have occurred on the variable leg for vessel level.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Jim Beke, 815/357-6761, extension 323.



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

November 19, 1984

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

Dear Sir:

Reportable Occurrence Report #84-069-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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