

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): LaSalle County Station, Unit One										DOCKET NUMBER (2): 0 5 0 0 0 3 7 3				PAGE (3): 1 OF 1		
TITLE (4): Auto-start OF Emergency Make-up Train Due to PRM's Spiking																
EVENT DATE (5): MONTH DAY YEAR 0 7 1 8 8 5			LER NUMBER (6): YEAR SEQUENTIAL NUMBER REVISION NUMBER 8 5 - 0 5 4 - 0 0 0 8 1 6 8 5			REPORT DATE (7): MONTH DAY YEAR 0 7 1 8 8 5			OTHER FACILITIES INVOLVED (8): FACILITY NAMES DOCKET NUMBER(S) LaSalle, Unit Two 0 5 0 0 0 3 7 4							
OPERATING MODE (9): 4		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 6 (Check one or more of the following) (11):														
POWER LEVEL (10): 0 0 0		20.402(a)				20.405(c) <input checked="" type="checkbox"/>				30.73(a)(2)(iv)				73.71(b)		
		20.405(a)(1)(i)				30.36(a)(1)				30.73(a)(2)(v)				73.71(c)		
		20.405(a)(1)(ii)				30.36(a)(2)				30.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.405(a)(1)(iii)				30.73(a)(2)(i)				30.73(a)(2)(vii)(A)						
		20.405(a)(1)(iv)				30.73(a)(2)(ii)				30.73(a)(2)(vii)(B)						
		20.405(a)(1)(v)				30.73(a)(2)(iii)				30.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12):																
NAME: Richard J. Rohrer, extension 575										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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC							
D	V	I	Z 9 9 9	Z 9 9 9	N											
SUPPLEMENTAL REPORT EXPECTED (14):																
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE: )										<input checked="" type="checkbox"/> NO		EXPECTED SUBMISSION DATE (15):		MONTH	DAY	YEAR
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16):																
<p>During the routine performance of procedure LOP-PR-07, "Startup and Operation of the Control Room HVAC Air Intake and Radwaste Reboiler Radiation Monitoring Systems", Process Radiation Monitors (PRM's) momentarily registered off-scale high, causing an automatic actuation of the "B" control room emergency make-up filter train (VC/VE). This actuation is designed to protect personnel in the vital control areas of the plant from Airborne radioactivity and is considered an Engineered Safety Feature (ESF) Actuation, reportable per 10CFR50.73(a)(2)(iv).</p> <p>Momentarily spiking off-scale high is commonly observed when the VC/VE PRM's are returned to service following the checks in LOP-PR-07. Most of the Nuclear Station Operators (NSO's) at LaSalle are aware of this problem and take appropriate actions to prevent the emergency make-up trains from starting during this procedure, even though no specific precautions are given in the procedure. The NSO performing the procedure this time was unaware that the PRM's might spike off-scale high and therefore did not take the appropriate actions to prevent an auto start of an emergency make-up train.</p> <p>A revision to LOP-PR-07 has been written to caution the NSO to avoid unnecessarily starting the train. An investigation into the possibility of suppressing the spike is being initiated.</p>																

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1):	DOCKET NUMBER (2):	LER NUMBER (3):	PAGE (3):
		YEAR SEQUENTIAL NUMBER REVISION NUMBER	
LaSalle County Station, Unit One	0 5 0 0 0 3 7 3	8 5 - 0 5 4 - 0 0	0 2 OF 0 3

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

I. EVENT DESCRIPTION:

During the routine performance of procedure LOP-PR-07, "Startup and Operation of the Control Room HVAC Air Intake and the Radwaste Reboiler Radiation Monitoring Systems", Process Radiation Monitors (PRM's) (PR, IL) 2D18-k571A and 2D18-K571D momentarily registered off-scale high. This caused the Emergency make-up filter train fan (OVC03DB) of the "B" train of the Control Room/Auxiliary Electrical Equipment Room HVAC (VC/VE, VI) system to automatically start and actuated dampers to line up the "B" emergency make-up filter train (OVC01SB) for operation. This is considered an Engineered Safety Feature (ESF) Actuation reported per 10CFR50.73(a)(2)(iv).

This event occurred at 0510 on July 18, 1985 while both units one and two were in operational condition 4 (cold shutdown) at 0% power.

Once the emergency make-up train started, proper flow and operation were observed. The train was secured, and the procedure was attempted again. A total of 5 emergency make-up train auto-starts were experienced for "B" VC/VE during this event as a result of PRM's spiking off-scale high.

II. CAUSE:

The cause of this event was a defective procedure. Momentary spiking off-scale high is commonly observed for these PRM's when returning them to service following the checks per LOP-PR-07. Most of the Nuclear Station Operators (NSO's) at LaSalle are aware of this problem and take appropriate actions, to prevent spurious ESF Actuations. No caution regarding the spiking is contained in this procedure, however, so the NSO performing the procedure had no way to be aware of this problem, or take actions to avoid the unnecessary ESF responses.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The VC/VE system was placed in a conservative line-up each time the high-radiation signals were received. No equipment was rendered inoperable, and all ESF's responded as required. This event did not cause a violation of any Technical Specifications, nor was an Action Statement entered at any time. Safe plant operation was maintained throughout this event.

IV. CORRECTIVE ACTIONS:

Following these actuations the "B" emergency make-up train for the VC/VE system was restored to its normal standby configuration.

A revision to LOP-PR-07 has been written and submitted for approval. This revision includes a precaution to avoid unnecessary initiations of the emergency make-up train. This revision is being tracked by AIR #373-200-85-00131. An investigation into the cause of the spiking and possible corrective actions has been initiated.

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3160-0104

EXPIRES 8/31/85

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

V. PREVIOUS EVENTS:

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER:

Richard J. Rohrer, (815)357-6761, extension 575.



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

August 16, 1985

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

Dear Sir:

Reportable Occurrence Report #85-054-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

*for R.D. Bishop*  
G. J. Diederich  
Station Manager  
LaSalle County Station

GJD/DRR/sga

Enclosure

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

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