

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 1 7 3	PAGE (3) 1 OF 0 3
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TITLE (4)
Vacuum Breaker "C" Cycled During Drywell Nitrogen Inerting

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		
									NA		
0 2	0 4	8 5	8 5	0 1 4	0 0	0 3	0 1	8 5	DOCKET NUMBER(S) 0 5 0 0 0		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)						73.71(b)
POWER LEVEL (10) 0 3 5	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 80.73(a)(2)(iv)				73.71(a)
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 80.36(e)(1)	<input type="checkbox"/> 80.73(a)(2)(v)				OTHER (Specify in Abstract below and in Text, NRC Form 305A)
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 80.36(e)(2)	<input type="checkbox"/> 80.73(a)(2)(vi)				
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 80.73(a)(2)(i)	<input type="checkbox"/> 80.73(a)(2)(vii)(A)				
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 80.73(a)(2)(ii)	<input type="checkbox"/> 80.73(a)(2)(vii)(B)				
<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 80.73(a)(2)(iii)	<input type="checkbox"/> 80.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)

NAME Charles K. Sprunger, extension 779	TELEPHONE NUMBER 8 1 5 3 5 7 - 6 7 6 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
D	BIF	VIAICIB	G12102	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 2/4/85 at 1939 hours with Unit 1 in Mode 1 at 35% power, a Unit 1 vacuum breaker valve opened and reclosed to equalize pressure between the Suppression Pool and the drywell. The pressure difference occurred while adding nitrogen to reduce the drywell oxygen concentration. To eliminate unnecessary cycling of the vacuum breakers, the procedure used to add nitrogen will be revised.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 306A's) (17)

I. EVENT DESCRIPTION

On 2/4/85 at 1939 hours with Unit 1 at 35% power in Mode 1, Vacuum Breaker Valve (BF) 1PC001C opened to equalize pressure between the Suppression Pool and the drywell. The pressure difference occurred while adding nitrogen to lower the oxygen level in the drywell and Suppression Pool areas.

II. CAUSE

The percentage of oxygen in the Unit 1 drywell and Suppression Pool atmospheres had become greater than 4%. LaSalle Operating Procedure, LOP-VQ-11, Nitrogen Inerting of the Primary Containment with the Primary Containment Vent/Purge system (VB), was initiated to correct the situation. This procedure had an Operator start up the Primary Containment Purge Fan, 1VQ01C, and draw a suction from the Reactor Building return air riser. The Nitrogen Inerting system (BB) was then lined up to the drywell and Suppression Pool areas with the exception of two manual stop valves, 1VQ057 and 1VQ058. The procedure then instructed the Operator to open the drywell purge valves, 1VQ034 and 1VQ036, which allowed the purge fan to draw a suction from the drywell as well as the Reactor Building return air riser. Then the procedure instructed the Operator to open the Suppression Pool purge valves, 1VQ031 and 1VQ040. Finally the procedure required the remaining manual stop valves, 1VQ058 and 1VQ057, to be opened and nitrogen to be added until the required oxygen concentration was achieved.

When the drywell purge valves, 1VQ034 and 1VQ036, were opened the purge fan lowered the pressure inside the drywell while the pressure inside the Suppression Pool remained the same. The difference in pressure between them was greater than the vacuum breaker valves' setpoint (0.25 to 0.35 psi) causing one vacuum breaker to open. Once the Suppression Pool purge valves, 1VQ031 and 1VQ040, were opened the pressure difference was able to equalize thru the purge system piping allowing the vacuum breaker to close.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The vacuum breakers operated as designed and the pressures equalized with no problems occurring.

IV. CORRECTIVE ACTION

Procedure LOP-VQ-11 will be revised so that the Suppression Pool purge valves, 1VQ031 and 1VQ040, will be opened before drywell purge valves, 1VQ034 and 1VQ036. This will allow the pressure inside the drywell to be momentarily greater than the pressure in the Suppression Pool for which both are designed to operate. This action will be tracked by AIR 1-85-67036.

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

V. PREVIOUS OCCURRENCES

There are no previous incidents reported where vacuum breakers opened due to nitrogen inerting of the Primary Containment.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Charles K. Sprunger, 815/357-6761, extension 779.



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

March 1, 1985

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

Dear Sir:

Reportable Occurrence Report #85-014-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

for *R. D. Buley*
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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