

**LICENSEE EVENT REPORT (LER)**

FACILITY NAME (1) <b>LaSalle County Station, Unit One</b>															DOCKET NUMBER (2) <b>0 5 0 0 0 3 1 7 1 3</b>					PAGE (3) <b>1 OF 0 3</b>																		
TITLE (4) <b>Containment Leakage Limit Exceeded</b>																																						
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)																							
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OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																				
<b>4</b>		<table border="0" style="width:100%;"> <tr> <td style="width:33%;">20.402(b)</td> <td style="width:33%;">20.408(a)</td> <td style="width:33%;">80.73(a)(2)(iv)</td> <td style="width:33%;">73.71(b)</td> </tr> <tr> <td>20.408(a)(1)(i)</td> <td>80.38(a)(1)</td> <td>80.73(a)(2)(v)</td> <td>73.71(a)</td> </tr> <tr> <td>20.408(a)(1)(ii)</td> <td>80.38(a)(2)</td> <td>80.73(a)(2)(vi)</td> <td>OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td> </tr> <tr> <td>20.408(a)(1)(iii)</td> <td>80.73(a)(2)(i)</td> <td>80.73(a)(2)(vii)(A)</td> <td></td> </tr> <tr> <td>20.408(a)(1)(iv)</td> <td>XX 80.73(a)(2)(ii)</td> <td>80.73(a)(2)(vii)(B)</td> <td></td> </tr> <tr> <td>20.408(a)(1)(v)</td> <td>80.73(a)(2)(iii)</td> <td>80.73(a)(2)(i)</td> <td></td> </tr> </table>													20.402(b)	20.408(a)	80.73(a)(2)(iv)	73.71(b)	20.408(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)	20.408(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)	20.408(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)		20.408(a)(1)(iv)	XX 80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)		20.408(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(i)	
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LICENSÉE CONTACT FOR THIS LER (12)																																						
NAME <b>Randy S. Dus, Ext. 324</b>										TELEPHONE NUMBER																												
Technical Staff Engineer										AREA CODE <b>8 1 5</b> <b>3 5 7</b> <b>1 6 7 6 1</b>																												
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																						
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs																													
<b>B</b>	<b>S J</b>	<b>1 1 S V</b>	<b>A 1 3 9 1</b>	<b>N</b>	<b>X</b>	<b>W K</b>	<b>0 0 2 0</b>	<b>A 0 3 2</b>	<b>N</b>																													
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SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)																												
YES (If yes, complete EXPECTED SUBMISSION DATE)										NO																												
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																																						
<p>On Feb. 14, 1984 with Unit One shutdown, Local Leak Rate Tests were performed. It was determined that the Technical Specification 3.6.1.2 limit of .6La was exceeded. The leaking valves were: 1B21-F010A, 1HG001A/2A, 1HG005B/6B, and 1RE024/25.</p> <p>The feedwater check valve leakage was a result of a misalignment problem which prevented the disc from closing squarely against the seat. Visual inspections of the soft seal material showed it to be in good condition. The HG valve seats showed some slight pitting, possibly a result of condensation/oxidation in the line. The RE valve seats were worn slightly with minute grooves worn into the valve discs. Some debris was also found in the line.</p> <p>The FW check valve was worked on to correct the misalignment problem. The hinge pins were machined to equalize side clearances and eliminate side shifts. The HG valve seats and discs were lapped to remove the pitted surfaces. The RE valve discs were machined to remove the small grooves and all debris was removed. Acceptable Leak Rate Tests were performed on all valves.</p>																																						

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (4)			PAGE (3)		
		VECT	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	05000373	84	012	00	02	OF	03

TEXT (If more space is required, use additional NRC Form 288A's) (17)

## I. EVENT DESCRIPTION:

On Feb. 14, 1984, with Unit One shutdown for a planned outage, type B&C Local Leak Rate Tests were performed. It was determined that the Technical Specification 3.6.1.2 limit of 0.6La (231.4 SCFH) was exceeded.

The following valves were leaking in excess of procedural guidelines: 1) 1B21-F010A, Inboard Feedwater (SJ) Check Valve 2) 1HG001A/2A, Combustible Gas Control (BB) Suction Valves 3) 1HG005B/6B, Combustible Gas Control Return Valves 4) 1RE024/25, Drywell Equipment Drain (WK) Sump Valves.

## II. CAUSE:

The Inboard Feedwater Check Valve Leakage was a result of a misalignment problem which prevented the disc from closing squarely against the seat. The disc was found to be off centered slightly from the body seat which left a maximum .058" gap between the "Soft Seal" and the body seat. Visual inspections of the soft seal material previously installed in Nov. 1983, showed it to be in good condition with no defects.

The combustible Gas Control Valve Seats showed some slight pitting, possibly a result of condensation and subsequent oxidation in the line.

The Drywell Equipment Drain Sump valve seats were worn slightly with minute grooves worn into the valve discs. There was also some debris found in the line (i.e., tape, wire, etc.) but it is not known if this contributed to the leakage.

## III. PROBABLE CONSEQUENCES:

It is believed that the Inboard Feedwater Check Valves would have prevented a significant loss of vessel inventory in the event of a feedwater line break. In addition, the feedwater lines still have two isolation valves in each line which meet the requirements of Appendix J to 10 CFR 50 criteria as containment isolation valves.

The Combustible Gas Control Valves and the Drywell Equipment Drain Sump Valves are double isolation valves. They are positioned in series in their respective lines, thereby minimizing the potential for excessive containment leakage. The Combustible Gas Control System downstream of the subject isolation valves is periodically verified to be leak tight in accordance with Technical Specifications. The Drywell Equipment Drain Sump lines would normally be water filled which would limit containment leakage. These valves, however, are tested with air which is a more conservative measure.

It is therefore believed that no immediate safety hazards existed, and that the plant was maintained in a safe condition at all times.

## 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)	
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LaSalle County Station Unit 1	05000373	84	012	00	03	OF 03

TEXT (If more space is required, use additional NRC Form 385A's) (17)

## IV. CORRECTIVE ACTION:

Action was taken on the feedwater check valves to correct the misalignment problem. The hinge pins were machined in an effort to equalize side clearances and eliminate the recurring side shifts. An acceptable Leak Rate Test was performed on 2/25/84 after the machining maintenance had been performed. Additional Corrective Actions being taken are outlined in a confirmatory action letter dated 11/28/83 from J. Keppler (NRC) to C. Reed (CECo).

The Combustible Gas Control Valve seats and discs were lapped to remove the pitted surfaces. The valves were reassembled and Leak Rate Tests were performed satisfactorily on 2/28/84.

The Drywell Equipment Drain Sump Valve Discs were machined to remove the small grooves. The valves were reassembled and Leak Rate Tests were performed satisfactorily on 3/5/84. All debris was removed from the line.

## V. PREVIOUS OCCURRENCE:

Similar occurrences took place on November 9, 1983 and September 1, 1983. See LER Numbers 83-146/03L-0 and 83-107/03L-0.

## VI. NAME AND TELEPHONE NUMBER OF THE PREPARER:

Randy S. Dus, Extension 324



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

March 15, 1984

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

Dear Sir:

Reportable Occurrence Report #84-012-00, Docket #050-373 is being submitted to your office in accordance with 10 CFR 50.73.

G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/MLD/sjc

Enclosure

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

IE-22

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