

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
LaSalle County Station Unit 1

DOCKET NUMBER (2)
0 5 0 0 0 3 7 3 1 OF 0 1 3

EVENT TITLE (4)
Reactor Water Cleanup Isolation - Differential Flow

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 NAME		
08	28	84	84	050	000	09	19	84	NA		
									DOCKET NUMBER(S)		
									0 5 0 0 0		
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THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)

OPERATING MODE (9)	1	26.402(b)	26.406	<input checked="" type="checkbox"/>	89.736(a)(2)(iv)	73.719(a)
POWER LEVEL (10)	0.95	26.406(a)(1)(i)	86.264(a)(1)	<input type="checkbox"/>	89.736(a)(2)(v)	73.719(a)
		26.406(a)(1)(ii)	86.264(a)(2)	<input type="checkbox"/>	89.736(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 308A)
		26.407(a)(1)(iii)	86.736(a)(2)(i)	<input type="checkbox"/>	89.736(a)(2)(vii)(A)	
		26.408(a)(1)(iv)	86.736(a)(2)(ii)	<input type="checkbox"/>	89.736(a)(2)(vii)(B)	
		26.406(a)(1)(iv)	86.736(a)(2)(iii)	<input type="checkbox"/>	89.736(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: JoAnn M. Shields, extension 330

TELEPHONE NUMBER: 8115 31571-167161

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	C/E	Z Z Z Z	Z Z Z Z	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 August 28, 1984, at 0105, the Reactor Water Cleanup system isolated on high differential flow. The system was restarted, and again isolated.

Investigation of the system revealed two manual valves that were out of position, providing a drain path for water to radwaste.

After these valves were closed, the system was satisfactorily restarted at 0200. A mechanical checklist was performed on all system valves which were not located in the drywell.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	05000373	84	050	01	00	12	OF 03

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

I. EVENT DESCRIPTION

On August 28, 1984, at 0105, the Reactor Water Cleanup system (RWCU, CE) isolated on high differential flow (JM). The "A" filter had just been backwashed and precoated. After the isolation, the system was restarted. A second isolation, again due to differential flow, occurred at 0108. Investigation of the area revealed valve 1G33-Z001-53A to be open, and valve 1G33-Z001-33A cracked off its seat. Both valves were then closed, and the system was satisfactorily restarted at 0200.

II. CAUSE

Inspection of the RWCU area after the isolation found two manual valves out of position. Valve 1G33-Z001-53A, the "A" filter chemical cleaning drain stop, was found full open. This valve is only operated when the filter is chemically cleaned. As this type of cleaning has not yet been performed at the site, there has been no reason to change the valve's position, and it should have been closed. The valve was verified closed during the performance of the last mechanical checklist, in 1983. The isolation which occurred was caused by two valves in series being mispositioned. The fact that 1G33-Z001-53A was out of position would by itself have no effect on system operation. Manual valve 1G33-Z001-33A, the "A" filter drain manual stop, was found cracked open. This valve was opened during the "A" filter backwash and precoat. Due to recent system difficulties, excessive closing force has been used in trying to prevent leakage past the valves, and damage to the stopping pins has occurred. The Equipment Attendants (Non-Licensed Operators) have been instructed to use caution when closing these valves, and, as a result, the 1G33-Z001-33A was probably not fully closed after the precoat of "A" filter.

The "A" filter had been precoated and was in Hold Mode, resulting in reactor pressure upstream of the 1G33-Z001-33A valve. The 1G33-Z001-53A valve isolates a cross tie between the line downstream of 1G33-Z001-33A, and the chemical cleaning drain line to radwaste. With both valves open, a flowpath down the drain is established. This flow will not be seen by the system logic, eventually resulting in a differential flow isolation.

III. PROBABLE CONSEQUENCES OF THE EVENT

The system isolated according to design. No actual leaks were found. Safe plant conditions were maintained at all times.

IV. CORRECTIVE ACTIONS

After the second isolation, the area was inspected and the two incorrectly positioned valves were placed in the position directed by the mechanical checklist.

LOP-RT-01M, Unit 1 RWCU mechanical checklist, has been performed to verify that all valves are properly aligned. Only those valves located in the drywell were not re-verified.

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

V. PREVIOUS OCCURRENCES

LER 373/84-046.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

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September 19, 1984

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

Dear Sir:

Reportable Occurrence Report #84-050-00, 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/kg

Enclosure

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

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