

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Calvert Cliffs, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 1 7										PAGE (3) 1 OF 02					
TITLE (4) Violation of Technical Specification for Operable Shutdown Cooling Loops																									
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	2	1	0	8	6	8	7	0	0	1	0	0	0	2	0	5	8	7	0	5	0	0	0		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																							
6		20.402(b)				20.405(e)				50.73(a)(2)(iv)				73.71(b)											
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(e)											
0 0 0		20.405(a)(1)(ii)				50.36(e)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)															
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)															
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)															
LICENSEE CONTACT FOR THIS LER (12)																									
NAME												TELEPHONE NUMBER													
William P. Birney, Procedural Development Coordinator												3 0 1 2 6 0 1 - 4 7 0 1 6													
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															
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)				MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO													

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On December 10, 1986 the refueling pool was drained to a level of less than 23 feet above the top of the reactor core, while only one shutdown cooling loop was operable. When it was discovered on December 11, 1986, that only one shutdown cooling loop was operable, corrective action was initiated immediately and the second shutdown cooling loop was restored to operable status within two hours.

Procedural changes have been made to ensure compliance with technical specifications before draining the refueling pool.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Calvert Cliffs, Unit 1	DOCKET NUMBER (2)  0 5 0 0 0 3 1 7	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 7	— 0 0 1	— 0 0	0 2	OF 0 2

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

At 0552 on December 10, 1986, while operating in MODE 6 (90 degrees Fahrenheit, atmospheric pressure), the refueling pool was drained to facilitate installing the reactor vessel head. On December 11, 1986, at 0035 the Control Room Operator discovered the component cooling outlet valve (cc) of #12 shutdown cooling heat exchanger (BP) was tagged in the shut position. The operator informed the Control Room Supervisor and Shift Supervisor and entered Technical Specifications action statement 3.9.8.2.a, because only one shutdown cooling loop was operable with less than 23 feet of water above the top of the reactor core. The Shift Supervisor immediately initiated action to return the heat exchanger to service. The inoperable shutdown cooling heat exchanger was in the process of being returned to service from scheduled maintenance and all that remained to be completed was removing the safety tags. Two shutdown cooling loops were returned to operable status at 0240.

This event was caused by the lack of procedural guidance to verify two shutdown cooling loops operable before lowering the refueling pool level below 23 feet above the top of the reactor core.

At the time of the event it was decided to be non-reportable. The event was discussed with the resident NRC inspector on December 11, 1986. After further evaluation by the Calvert Cliffs staff, on 01-16-87, it was decided to be reportable.

To prevent recurrence of this type of event the following corrective actions have been taken:

1. A caution was added to procedural steps to ensure compliance with Technical Specifications.
2. Required reading has been issued to make all licensed operators aware of this event and corrective action number one.

This event was not a threat to the safety of the public or the plant. The operable shutdown cooling loop remained in operation throughout this incident and reactor coolant temperatures were maintained within their normal limits.

There have been no similar events reported.

The contact for this event is W. Birney, 301-260-4706.



CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203

NUCLEAR OPERATIONS DEPARTMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT  
LUSBY, MARYLAND 20657

February 5, 1987

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

Docket No. 50-317  
License No. DPR 53

Dear Sirs:

The attached LER 87-01 is being sent to you as required by  
10 CFR 50.73.

Should you have any questions regarding this report, we would be  
pleased to discuss them with you.

Very truly yours,

*J. R. Lemons*  
J. R. Lemons

Manager - Nuclear Operations Department

JRL:WPR:pah

cc: Dr. Thomas E. Murley  
Director, Office of Management Information  
and Program Control

Messrs: J. A. Tiernan  
W. J. Lippold

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