NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Calvert Cliffs, Unit 1	0 5 0 0 0 3 1 7	1 OF 0 2

TITLE (4)
Battery Inoperable

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 0	2 4	8 4	8 4	0 1 4	0 0	1 1	2 1	8 4	Calvert Cliffs Unit 2	0 5 0 0 0 3 1 8
										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)			
POWER LEVEL (10)	1 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(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)	X 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Jack W. Raynor	AREA CODE 3 1 0 1 1 2 1 6 1 0 1 - 1 4 1 3 1 1 1 3

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
X	E J	B T R Y	E 3 5 5	Y					

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)

During quarterly surveillance testing on station Battery 21 which supplies 125 VDC power to the ECCS "B" Train of both units, individual cell voltage (ICV) for cell 1 was found below Technical Specification limits. Concurrently, 11 Emergency Diesel Generator (EDG) ECCS "A" Train was out of service.

The operable reserve battery was connected to bus 21, while the cell was replaced. Upon completion of replacement of the cell, Battery 21 was returned to service.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Calvert Cliffs, Unit 1	0 5 0 0 0 3 1 7	8 4	— 0 1 4	— 0 0	0 2 OF 0 2

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

At 0700, October 24, 1984, at 100% steady state power, number 11 Emergency Diesel Generator (EK) ECCS "A" Train (BQ)) was removed from service for corrective maintenance.

At 1310, October 24, 1984, during performance of the quarterly surveillance requirement of Technical Specification (TS) 4.8.2.3.2.b.1, 21 Battery (EJ) which supplies 125 VDC control power to ECCS "B" Train (BQ), was discovered to be out of Technical Specification limits (ICV for cell 1 low). It was determined that the cell ICV was 2.06 versus 2.10 volts. Replacement of the cell was accomplished as per the recommendation statement in IEEE 450-1980. (The Battery was manufactured by the Exide Power Systems, Type FHC-19).

Analysis of the loss of one (1) cell from 21 Battery shows that the Battery is deemed operable under these conditions. Therefore, during this event, 21 Battery retained its effectiveness as an emergency source of power and could have performed its designed function.

Number 21 Battery was declared inoperable causing ECCS "B" Train to be inoperable. Consequently with "A" and "B" ECCS Trains out of service, Technical Specification 3.0.3 was entered. The Nuclear Regulatory Commission (NRC) was notified of this event.

At 1501, October 24, 1984, the operable reserve battery was placed on 21 bus, termination the event. Cell 1 of Battery 21 was replaced. Battery 21 was placed on charge for approximately 24 hours. At 0756, October 30, 1984, Battery 21 was returned to service after completion of the quarterly surveillance procedure.

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

November 21, 1984

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 84-14 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,

L B Russell

L. B. Russell
Plant Superintendent

LBR:JWR:pah

CC: Dr. Thomas E. Murley
Director, Office of Management Information and Program Control
Messrs: A. E. Lundvall, Jr.
J. A. Tiernan

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