

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) CCNPP - UNIT TWO										DOCKET NUMBER (2) 0 5 0 0 0 3 1 8				PAGE (3) 1 OF 03											
TITLE (4) Inoperable Radiation Monitor - Required Sampling Was Not Performed																									
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)												
0	3	2	6	8	4	8	4	0	0	2	0	0	0	4	2	4	8	4	0	5	0	0	0		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																							
1		20.402(b)				20.406(e)				80.73(a)(2)(iv)				73.71(b)											
POWER LEVEL (10)		0 9 8				20.406(a)(1)(i)				80.73(a)(2)(v)				73.71(e)											
		20.406(a)(1)(ii)				80.73(a)(2)(vi)				80.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
		20.406(a)(1)(iii)				80.73(a)(2)(viii)(A)				80.73(a)(2)(viii)(B)															
		20.406(a)(1)(iv)				80.73(a)(2)(ix)				80.73(a)(2)(x)															
		20.406(a)(1)(v)				80.73(a)(2)(x)				80.73(a)(2)(xi)															
LICENSEE CONTACT FOR THIS LER (12)																									
NAME RUSSELL B. SYDNOR										TELEPHONE NUMBER 3 0 1 2 6 0 - 4 0 1 4															
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS															
X	I	L	C	O	N	X	9	9	9	N															
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 March 13, 1984, at approximately 1025, with Unit Two at 98% power, the Condenser Off-Gas Radiation Monitor, 2-RI-1752, was found to be indicating less than zero counts per minute (CPM). A pulse and level calibration check was performed satisfactorily. After additional inspections of the drawer and skid assemblies, 2-RI-1752 was "erroneously" considered in service but indicating low. A Maintenance Request was then initiated. On March 22, 1984 during performance of the Maintenance Request, the detector's signal lead at J104, on back of 2-RI-1752, was found disconnected. 2-RI-1752 was returned to service at 1500 on March 22, 1984. On March 26, 1984 the Shift Supervisor was informed of the findings and the Condenser Off-Gas Radiation Monitor was then declared inoperable from March 13, 1984 to March 22, 1984. Technical Specification Appendix "B", Part 1, Section 2.3, Table 2.3.1, Item 5. The Shift Supervisor informed Chemistry and a grab sample was taken with satisfactory results.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  CCNPP - UNIT TWO	DOCKET NUMBER (2)  0 5 0 0 0 3 1 8	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	- 0 0 2	- 0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

On March 13, 1984, at approximately 1025, with Unit Two at 98% power, the Condenser Off-Gas Radiation Monitor, 2-RI-1752, was found to be indicating less than zero counts per minute (CPM). A pulse and level calibration check was performed satisfactorily. After additional inspections of the drawer and skid assemblies, 2-RI-1752 was "erroneously" considered in service but indicating low. A Maintenance Request was then initiated. On March 22, 1984 during performance of the Maintenance Request, the detector's signal lead at J104, on back of 2-RI-1752, was found disconnected. 2-RI-1752 was returned to service at 1500 on March 22, 1984. On March 26, 1984 the Shift Supervisor was informed of the findings and the Condenser Off-Gas Radiation Monitor was then declared inoperable from March 13, 1984 to March 22, 1984. Technical Specification Appendix "B", Part 1, Section 2.3, Table 2.3.1, Item 5. The Shift Supervisor informed Chemistry and a grab sample was taken with satisfactory results.

Further investigations revealed the following information:

1. The radiation recorder printout of 2-RR-22, Point Number 5, for 2-RI-1752 showed that the detector signal lead had fallen off at approximately 0800 on March 8, 1984. Less than zero CPM indication on 2-RI-1752 was not questioned until five days later on March 13, 1984.
2. From March 8, 1984 to March 22, 1984 when 2-RI-1752 was returned to service no grab samples were taken as required by Technical Specification Appendix "B", Part 1, Section 2.3, Table 2.3.1, Item 5.
3. Inspection of the connector, (Deutsch 7018), at J104 revealed that the bayonet clasps were not functioning correctly. Instrument Maintenance Group was informed of this finding. A Maintenance Request was initiated to repair/replace the failed Deutsch connector and to inspect all other radiation indicators for similar problems.
4. On March 13, 1984 control room operators, as their immediate actions did not use the checksource function in determining 2-RI-1752 operability.
5. A low level alarm setpoint is not operable on 2-RI-1752.

The following corrective actions have been or will be taken:

1. The failed Deutsch connector has been repaired and other radiation monitors have been inspected for similar problems.
2. Additional radiation monitoring system training and information will be given to control room operators to use checksource function in determining operability of an instrument.
3. Control room logs have been revised to verify once a shift, for normal indications on all radiation monitor channels and to notify the Supervisor-Plant Chemistry if the Condenser Off-Gas (Unit One or Two) is inoperable.
4. An engineering review of low level alarm setpoints will be conducted for the radiation monitoring system.

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					0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Having the Condenser Off-Gas Radiation Monitor out of service DID NOT have any significant safety consequences. The main vent radiation monitor provides redundant monitoring, and remained operable throughout this event.

No similar events have been reported.

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

April 24, 1984

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

Docket No. 50-318  
License No. DPR 69

Dear Sirs:

The attached LER 84-02 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

*Ass.*  
LBR:RBS:mst

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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