NRC FORM 366 (12-81)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

APPROVED BY OMB 3150-0011 EXPIRES 4-30-82

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | MDCCN2 (2) | 00-0000-00 (3) | 4111 (4) | (5)

LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T

01 | REPORT SOURCE L (6) | 05000318 (7) | 080983 (8) | 090783 (9)

DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | At 2200 following a reactor trip, dose equivalent (D.E.) I-131 was de-

03 | termined to be 2.03 micro-curies per gram (T.S. 3.4.8). At 1347 on

04 | 8/11/83, D.E. I-131 was determined to be less than 1.0 micro-curies per

05 | gram, terminating the event. Following a reactor trip on 8/23/83, D.E.

06 | I-131 was determined to be 1.08 micro-curies per gram. At 1545, D.E.

07 | I-131 was determined to be less than 1.0 micro-curies per gram terminat-

08 | ing the event. Similar events: 50-318/83-29.

09 | SYSTEM CODE RC (11) | CAUSE CODE E (12) | CAUSE SUBCODE C (13) | COMPONENT CODE ZZZZZZ (14) | COMP. SUBCODE Z (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 83 | SEQUENTIAL REPORT NO. 038 | OCCURRENCE CODE 03 | REPORT TYPE L | REVISION NO. 0

ACTION TAKEN Z (18) | FUTURE ACTION Z (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0000 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. N (24) | PRIME COMP. SUPPLIER Z (25) | COMPONENT MANUFACTURER (26) Z999

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | Iodine spiking due to a very small number of leaking fuel pins and a

11 | change in power level was the cause for the event. Sampling frequency

12 | increased per Technical Specification 3.4.8 until levels decreased. No

13 | further corrective action is deemed necessary. Data required by Techni-

14 | cal Specification 3.4.8 is attached.

15 | FACILITY STATUS C (28) | % POWER 000 (29) | OTHER STATUS (30) N/A | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) Sample Results

16 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) N/A | LOCATION OF RELEASE (36) N/A

17 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE Z (38) | DESCRIPTION (39) N/A

18 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) N/A

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19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION (43) N/A

20 | PUBLICITY ISSUED N (44) | DESCRIPTION (45) N/A | NRC USE ONLY

NAME OF PREPARER M. A. Junge PHONE: 301-269-4969

POWER HISTORY (hourly average)

DATE	TIME	POWER (MW_t)
8-7-83	2200	2693
	2300	2394
	2400	2393
8-8-83	0100	2694
	0200	2692
	0300	2694
	0400	2694
	0500	2701*
	0600	2696
	0700	2697
	0800	2696
	0900	2695
	1000	2698
	1100	2699
	1200	2697
	1300	2698
	1400	2696
	1500	2696
	1600	2695
	1700	2697
	1800	2698
	1900	2691
	2000	2696
	2100	2696
	2200	2696
	2300	2696
	2400	2696

POWER HISTORY (hourly average)

DATE	TIME	POWER (MW_t)
8-9-83	0100	2696
	0200	2695
	0300	2698
	0400	2697
	0500	2697
	0600	2697
	0700	2695
	0800	2694
	0900	2692
	1000	2691
	1100	2690
	1200	2693
	1300	2691
	1400	2691
	1500	2690
	1600	2691
	1700	2691
	1800	2693
	1900	0
	2000	0
	2100	0
	2200	0

No degassing operations took place starting 48 hours prior to the event.

Clean up flow remained at 88gpm starting 48 hours prior to the event.

*Blowdown value in the computer was entered as 0 immediately after blowdown was secured. Feed flow does not change rapidly and during the period it takes to reduce to its new value, with blowdown flow as 0, reactor power is calculated higher than it actually is. Thermal power was actually lower than 2700.

UNIT 2

OCTANT ASSEMBLY BURN UP

ON 8/4/83 at 1139 AM

28157.22					
17464.39	21595.79				
25662.32	24240.86	20629.75			
25401.85	7666.73	25588.32	18011.64		
20742.18	25948.90	19519.41	24178.35	21830.32	
25970.02	7753.65	25728.68	7827.24	23544.78	7139.00
27622.03	20922.00	25250.63	25489.75	17222.31	5031.53
24580.54	24669.81	6938.44	6099.24	4507.66	
5007.12	4454.68				

ASSEMBLY AVERAGE BURN UP (MWD/MT)

POWER HISTORY (hourly average)

DATE	TIME	POWER (MW_t)
8-20-83	1900	2693
	2000	2694
	2100	2694
	2200	2693
	2300	2695
	2400	2695
8-21-83	0100	2698
	0200	2696
	0300	2694
	0400	2694
	0500	2693
	0600	2694
	0700	2694
	0800	2695
	0900	2696
	1000	2693
	1100	2695
	1200	2694
	1300	2694
	1400	2694
	1500	2694
	1600	2695
	1700	2699
	1800	2698
	1900	2698
	2000	2697

POWER HISTORY (hourly average)

DATE	TIME	POWER (MW_t)
	2100	2694
	2200	2685
	2300	2665
	2400	2685
8-22-83	0100	2698
	0200	2695
	0300	2697
	0400	2699
	0500	2695
	0600	2693
	0700	2695
	0800	2695
	0900	2695
	1000	2696
	1100	2696
	1200	2695
	1300	2697
	1400	2698
	1500	2695
	1600	0
	1700	0
	1800	0
	1900	0

Clean up flow remained at 88 gpm from 1900 on 8/20/83 until 1000 on 8/22/83 at which time clean up flow was reduced to 44 gpm.

No degassing operations took place starting 48 hours prior to the event.

UNIT 2

OCTANT ASSEMBLY BURN UP

On 8/19/83 at 1209

28497.89					
17883.80	21964.70				
25989.00	24598.18	21046.00			
25753.87	8146.84	25964.71	18458.19		
21171.21	26330.96	19961.14	24559.89	22220.75	
26333.07	8241.97	26099.57	8313.46	23927.57	7583.91
27927.83	21304.07	25594.75	25834.00	17605.76	5339.68
24886.28	24979.39	7351.66	6463.34	4778.56	
5312.67	4722.16				

ASSEMBLY AVERAGE BURN UP (MWD/MT)

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

August 31, 1983

Dr. Thomas E. Murley
Regional Administrator
U. S. Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, PA 19406

Docket No. 50-317
License No. DPR 53

Dear Dr. Murley:

Attached is LER 83-38/3L, as required per Technical Specification 6.9.

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:MAJ:bsb

cc: Director, Office of Management Information
and Program Control
Messrs: A. E. Lundvall, Jr.
J. A. Tiernan

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