

## LICENSEE EVENT REPORT

UPDATE REPORT

PREVIOUS REPORT DATE: 5-26-83

CONTROL BLOCK: 

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 2335, it was discovered that containment sump valve MOV-5462 would not operate (T.S. 3.6.4.1). The redundant isolation valve MOV-5463 was shut and deenergized at 0321. At 0430, the containment sump level alarm was declared inoperable due to the inability to drain (T.S. 3.4.6.1). The containment sump valves were returned to service at 1750 on 1/7/83. The containment particulate and gaseous radioactive monitoring systems remained operable during this event. Similar events: none.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The failed operator was disassembled and cause of failure identified. The worm gear was found to be excessively worn and was replaced. This operator has been in service for several years. This is a normal end of life failure. To prevent another worm gear failure the frequency of preventive maintenance has been increased to every refueling outage.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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NRC USE ONLY

NAME OF PREPARER J. S. Lagiewski/T. J. Unkle

PHONE 301-269-4747/4505

LER NO. 83-02/3X, Rev. 2  
DOCKET NO. 50-317  
LICENSE NO. DPR 53  
EVENT DATE 1/6/83  
REPORT DATE 6/16/83  
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

On January 6, 1983 the containment sump MOV-5462 (Limatorque Model No. SMB-00) failed in service and was replaced with a spare motor operator. The failed unit was then disassembled and the cause of failure identified. The worm gear was found to be excessively worn and was replaced. This worm gear is made of an aluminum bronze material and is designed to wear prior to other operator internals. The aluminum bronze material will withstand sliding on steel better than any other material. The containment sump MOVs are cycled frequently. They are cycled on an average of 6-8 (six to eight) times per day. The failed Limatorque operator has been in service for several years. We feel this is a normal end of life failure. To prevent another worm gear failure we have increased the frequency of preventive maintenance performed on the containment sump MOVs. Each containment sump motor operator will be inspected and rebuilt or replaced as necessary every refueling outage. The preventive maintenance performed on these operators will prevent another worm gear failure. No further corrective action is necessary.

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

June 16, 1983

Mr. James M. Allan  
Acting Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

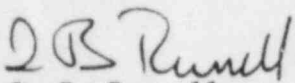
Docket No. 50-317  
License No. DPR 53

Dear Mr. Allan:

In accordance with Technical Specification 6.9 please find the attached update report for LER 83-02/3X, Revision 2.

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

Very truly yours,

  
L. B. Russell  
Plant Superintendent

LBR:TJU:bsb

cc: Director, Office of Management Information  
and Program Control

Messrs: A. E. Lundvall, Jr.  
J. A. Tiernan

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11