

Dr. Thomas E. Murley
Office of Inspection & Enforcement, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

No. 3-83-24/3L

Dear Dr. Murley:

This LER concerns the failure of a moisture sensor in the moisture monitoring system associated with the reactor primary boundary.

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK:		(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)																					
1	P A P B S 3	②	0	0	-	10	0	0	0	0	0	0	0	0	0	34	4	1	1	1	1	0	5
8	LICENSEE CODE	14	15	LICENSE NUMBER										26	26	LICENSE TYPE			30	57	CAT	58	

CONT		REPORT SOURCE	L	6	0	5	0	-	0	2	7	8	7	1	2	1	9	8	3	8	0	1	1	8	8	4	3
7	6		80	81	DOCKET NUMBER					86	89	EVENT DATE					74	75	REPORT DATE					80			

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

- 0 2 | While at power, during surveillance testing, a moisture sensor in the
0 3 | moisture monitoring system failed. Shift supervision immediately
0 4 | initiated an hourly monitoring of the drywell sump pump out rates.
0 5 | Investigation determined the failed sensor to be located at weld
0 6 | 2-BD-14/BPB on the 4 inch 'B' recirculation piping loop.
0 7 | Previous similar occurrence 3-83-16/3L.

D B _____ 80
7 B 9

0 9 7 8	SYSTEM CODE C I (11) 8 10	CAUSE CODE E (12) 11	CAUSE SUBCODE A (13) 12 13	COMPONENT CODE I N S T R U (14) 15 16	COMP. SUBCODE E (15) 19 20	VALVE SUBCODE Z (16) 21 22	REVISION NO. 0 32	
(17) LER/RO REPORT NUMBER 8 3 21 22	EVENT YEAR 8 3 21 22	SEQUENTIAL REPORT NO. 0 2 4 23 24 25 26 27	OCCURRENCE CODE 0 1 3 28 29 30	REPORT TYPE L 31				
ACTION TAKEN X (18) 33 34	FUTURE ACTION A (19) 35	EFFECT ON PLANT Z (20) 36	SHUTDOWN METHOD Z (21) 37	HOURS (22) 0 0 0 0 38 39 40	ATTACHMENT SUBMITTED N (23) 41 42	APRD-4 FORM SUB. N (24) 43 44	PRIME COMP. SUPPLIER L (25) 45 46	COMPONENT MANUFACTURER X 9 9 9 (26) 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (7)

1.0 Cause of the failure was a defective Techmark Limited sensor. Hourly monitoring of drywell sump will continue while the sensor is inoperable.

1.1 The inoperable sensor will be replaced during the next scheduled or emergency maintenance action with the drywell designated.

Spare sensors are available on site.

1 4 Update sensors are available on site.
7 8 9
FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY (32)
1 5 E (28) 1 0 0 (20) NA B (31) SURVEILLANCE TEST
7 8 9 10 12 13 44 45 46
80

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY **35** LOCATION OF RELEASE **36**

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

NUMBER TYPE DESCRIPTION 39
1 7 0 0 0 37 Z 38 NA

7 8 9 11 12 13
PERSONNEL INJURIES
NUMBER DESCRIPTION (4)

1 8 NUMBER 40 DESCRIPTION NA

LOSS OF OR DAMAGE TO FACILITY **(43)**
TYPE DESCRIPTION

1 9 Z 42 NA 8402030438 840118
7 8 9 10 PDR ADDOCK 05000278
80

PUBLICITY
ISSUED [] N 44 DESCRIPTION 45 PDR NRC USE ONLY

7 8 9 - 10 11 12 13 14 15 16 17 18 19 20
7 8 9 10 11 12 13 14 15 16 17 18 19 20
Off duty

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DPO 917-024