

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: _____ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | P | A | P | B | S | 3 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

7 8 9 14 15 26 26 30 37 CAT 58

CON'T

01 | L | 6 | 0 | 5 | 0 | - | 0 | 2 | 7 | 8 | 7 | 1 | 2 | 1 | 9 | 8 | 3 | 6 | 0 | 1 | 1 | 8 | 8 | 4 | 9

7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | While at power, during surveillance testing, a moisture sensor in the

03 | moisture monitoring system failed. Shift supervision immediately

04 | initiated an hourly monitoring of the drywell sump pump out rates.

05 | Investigation determined the failed sensor to be located at weld

06 | 2-BD-14/BPB on the 4 inch 'B' recirculation piping loop.

07 | Previous similar occurrence 3-83-16/3L.

08 | _____

09 | C | I | E | A | I | N | S | T | R | U | E | Z

7 8 9 10 11 12 13 14 15 16 20

17 | 8 | 3 | 0 | 2 | 4 | 0 | 3 | L | 0

7 8 21 22 23 24 26 27 30 31 32

18 | X | 19 | A | 20 | Z | 21 | Z | 22 | 0 | 0 | 0 | 0 | 23 | N | 24 | N | 25 | L | 26 | X | 9 | 9 | 9

7 8 33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | Cause of the failure was a defective Techmark Limited sensor. Hourly

11 | monitoring of drywell sump will continue while the sensor is inoperable.

12 | The inoperable sensor will be replaced during the next scheduled or

13 | forced outage of sufficient duration with the drywell deinerted.

14 | Spare sensors are available on site.

15 | E | 1 | 0 | 0 | 0 | NA | B | Surveillance Test

7 8 9 10 11 12 13 44 45 46 32

16 | Z | 33 | Z | 34 | NA | NA

7 8 9 10 11 44 46 36

17 | 0 | 0 | 0 | 37 | Z | 38 | NA

7 8 9 11 12 13 39

18 | 0 | 0 | 0 | 40 | NA

7 8 9 11 12 41

19 | Z | 47 | NA

7 8 9 11 12 43

20 | N | 44

7 8 9 10 45

8402030438 840118
 PDR ADOCK 0500027B
 5 PDR

NRC USE ONLY

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