

Mr. R. C. Haynes, Director  
 Office of Inspection & Enforcement, Region I  
 U.S. Nuclear Regulatory Commission  
 631 Park Avenue  
 King of Prussia, PA 19406

No. 2-82-37/3L

Dear Mr. Haynes:

This LER deals with the potential failure of the Unit 2 Control Rod Drive (CRD) area smoke detector system. Applicable Tech. Spec. is Table 3.14.C.1.

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | P | A | P | B | S | 2 | 7 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 7 | 4 | 1 | 1 | 1 | 1 | 4 | 5

01 | L | 8 | 0 | 1 | 5 | 0 | - | 0 | 2 | 7 | 7 | 7 | 1 | 0 | 1 | 2 | 8 | 2 | 8 | 1 | 1 | 1 | 0 | 8 | 2 | 9

02 | While at power, a fire alarm was received from the Unit 2 Control Rod  
 03 | Drive (CRD) area smoke detector circuit. A fire watch was posted  
 04 | during the investigation into which smoke detector had alarmed.  
 05 | The detection circuit was reset and returned to service. Later, a  
 06 | fire system supervisory trouble alarm was received and the problem  
 07 | traced to a loose connection in the CRD area smoke detector circuit.  
 08 | Applicable Tech. Spec. is table 3.14.C.1.

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

17 | 8 | 2 | 0 | 3 | 7 | 0 | 3 | L | 0

18 | B | Z | Z | Z | 0 | C | 0 | 0 | N | N | Z | Z | Z | 9 | 9 | 9

10 | The cause was found to be a stripped terminal screw in the CRD area  
 11 | auto code box causing a loose connection from the CRD smoke detector  
 12 | circuitry. The screw was replaced and the connection tightened. The  
 13 | system was tested for operability and returned to service.

15 | E | 1 | 0 | 0 | 0 | NA | A | Operator Observation

16 | Z | Z | NA | NA

17 | 0 | 0 | 0 | 0 | NA

18 | 0 | 0 | 0 | NA

19 | Z | NA

20 | N | NA

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