

LICENSEE EVENT REPORT

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

01 | A | R | A | N | O | Z | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5  
7 8 9      14 15      25 26      30 57 CAT 58

CON'T  
01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 8 | 7 | 1 | 1 | 0 | 7 | 7 | 8 | 8 | 1 | 1 | 2 | 0 | 7 | 8 | 9  
7 8      60 61      DOCKET NUMBER      68 69      EVENT DATE      74 75      REPORT DATE      80

02 | Prior to initial criticality, the Emergency Diesel Generator  
03 | vendor (Colt Industries Inc.) notified AP&L that a speed  
04 | switch manufactured by Dynalog Corp. had a design  
05 | problem that potentially could cause a failure. Investigation  
06 | revealed that the switch was only installed on the B Diesel and no  
07 | problems have been encountered. There have been no  
08 | similar occurrences. This is repeatable per T.S.G. 9.1.8(i).  
7 8 9

09 | E | E | B | A | G | E | N | E | R | A | D | Z | 10  
7 8      9 10      11 12      13 14      15 16      17 18      19 20      21 22

17 | 7 | 10 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0  
7 8      21 22      23 24      25 26      27 28      29 30      31 32      33 34

18 | A | Z | Z | Z | 0 | 0 | 0 | 0 | N | N | A | C | 4 | 7 | 0 | 26  
7 8      33 34      35 36      37 38      39 40      41 42      43 44      45 46      47 48

10 | The speed switch contained a resistor which had a  
11 | potential problem which could cause a component failure.  
12 | The switch was replaced with one manufactured by  
13 | Synchro Start Products Inc, a vendor approved spare part,  
14 | and satisfactorily tested.  
7 8 9

15 | B | 0 | 0 | 0 | Post-Cure HFT | D | Vendor notification  
7 8 9      10 11 12 13      14 15      16 17      18 19

16 | Z | Z | NA | NA  
7 8 9      10 11      12 13      14 15

17 | 0 | 0 | 0 | Z | NA  
7 8 9      10 11 12      13 14

18 | 0 | 0 | 0 | NA  
7 8 9      10 11 12

19 | Z | NA  
7 8 9      10

20 | H | NA  
7 8 9      10      68 69      80

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1. Reportable Occurrence Report No. 50-368/78-13  
2. Report Date: 11/20/78 3. Occurrence Date: 11/07/78  
4. Facility: Arkansas Nuclear One - Unit 2  
Russellville, Arkansas

5. Identification of Occurrence:

Notification by the Emergency Diesel Generator vendor that a speed switch has a potential problem which could result in a component failure.

6. Conditions Prior to Occurrence:

Steady-State Power _____	Reactor Power <u>0</u> MWth
Hot Standby _____	Net Output <u>0</u> MWe
Cold Shutdown _____	Percent of Full Power <u>0</u> %
Refueling Shutdown _____	Load Changes During Routine Power Operation <u>0</u>
Routine Startup Operation _____	
Routine Shutdown Operation _____	
Other (specify) Preoperational, Start-up or Power Ascension Tests	

7. Description of Occurrence:

The speed switch in the Emergency Diesel Generator had the potential problem which could result in a component failure.

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8. Designation of Apparent Cause of Occurrence:

Design	_____	Procedure	_____
Manufacture	<u>  X  </u>	Unusual Service Condition Including Environmental	_____
Installation/ Construction	_____	Component Failure (See Failure Data)	_____
Operator	_____		
Other (specify)			

9. Analysis of Occurrence:

The decision to replace the speed switch was made knowing that when the motor is at approximately 810 rpm, it will excite the generator and should it malfunction during this start-up, it could have caused overloading and possible further damage to the generator. There was no hazard to the health and safety of the public since the other diesel generator was unaffected and the reactor had never been critical.

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10. Corrective Action:

The switch was replaced with one manufactured by another vendor and was satisfactorily tested.

11. Failure Data:

There have been no similar occurrences.