

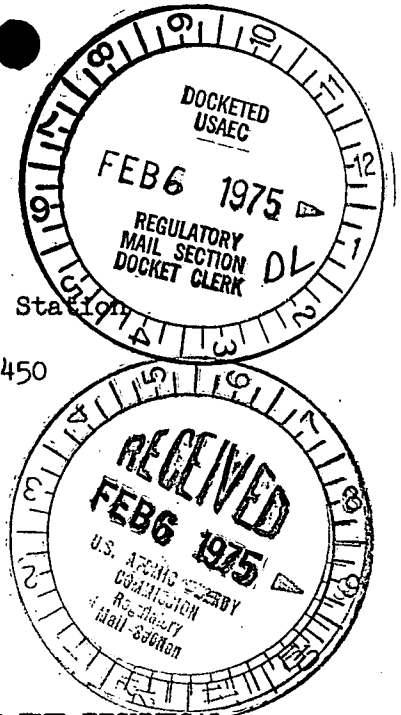


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Regulatory Docket File

BBS Ltr. #59-75

Dresden Nuclear Power Station  
 R. R. #1  
 Morris, Illinois 60450  
 January 30, 1975



Mr. James G. Keppler, Regional Director  
 Directorate of Regulatory Operations-Region III  
 U. S. Nuclear Regulatory Commission  
 799 Roosevelt Road  
 Glen Ellyn, Illinois 60137

SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL SPECIFICATIONS  
BUS 23 TO BUS 32-1 4KV BREAKER DISABLED "C" PHASE OVERCURRENT RELAY

- References:
- 1) Regulatory Guide 1.16 Rev. 1 Appendix A
  - 2) Notification of Region III of AEC Regulatory Operations  
 Telephone: Mr. P. Johnson at 1015 hours on January 21, 1975  
 Telegram: Mr. J. Keppler at 1100 hours on January 21, 1975
  - 3) Drawing Numbers: 12E2301, 12E2344, and 12E2655F

Report Number: 50-237/75-5

Report Date: January 30, 1975

Occurrence Date: January 20, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois

IDENTIFICATION OF OCCURRENCE

While trip checking 4 KV breaker 152-2329 it was discovered that the "C" phase overcurrent relay was disabled.

CONDITIONS PRIOR TO OCCURRENCE

At the time of the occurrence, Unit 2 was shutdown and in the REFUEL mode.

DESCRIPTION OF OCCURRENCE

At 1100 hours on January 20, 1975, Operational Analysis Department personnel were trip checking the 4 KV bus tie breaker 152-2329. It was found that on a "C" phase overcurrent condition, the "block close" relay failed.

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DESIGNATION OF APPARENT CAUSE OF OCCURRENCE (Personnel Error)

While tracing through the wiring of the "C" phase time delay overcurrent relay for breaker 152-2329, the positive lead (125 VDC supply) was found to be disconnected.

During split bus revision which occurred in 1969, the phase overcurrent trip was eliminated from this breaker. This consisted of lifting the positive lead to an HEA relay contact in the trip circuit and the negative lead. The negative lead was disconnected correctly but when the positive lead was disconnected the wire was lifted from a terminal which disconnected the feed to "C" phase overcurrent relay at the same time.

Thus the phase overcurrent trip was removed as required, and it can be assumed that disabling of "C" phase overcurrent relay went undetected at a time when requirements for post maintenance and modifications were not as explicit as they are today.

ANALYSIS OF OCCURRENCE

The health and safety of the plant personnel and the public were not jeopardized as a result of this incident. If a "C" phase overcurrent condition has occurred on bus 23-1, the bus tie would have been protected by differential relays and the Unit 2/3 diesel generator would have been protected by another set of overcurrent relays.

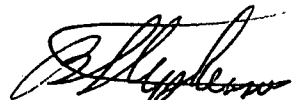
CORRECTIVE ACTION

The correct location for the lifted lead was verified and the overcurrent relay was reconnected. The breaker was then satisfactorily trip checked.

Auxiliary Power Relays have been checked during this refueling outage and are on a schedule to be checked every two years.

FAILURE DATA

No previous malfunctions of this type have occurred. The breaker is a General Electric Magne Blast Breaker, type AMH 4.76-250, 1200 amps.

  
B. B. Stephenson  
Superintendent

BBS:GAR:smp  
File/AEC