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Regulatory

File Cy.

BBS Ltr. #46-75

Dresden Nuclear Power Station  
 R.R. #1  
 Morris, IL 60450

January 21, 1975



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

**SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL SPECIFICATIONS**  
**FAILURE OF 2B CORE SPRAY PUMP MANUAL DISCHARGE STOP CHECK VALVE**

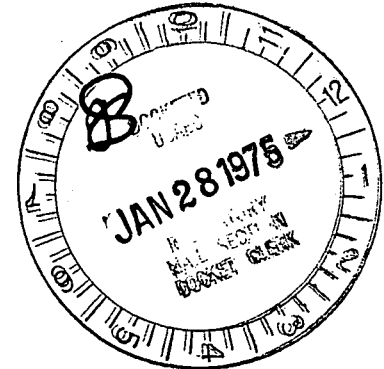
- References:
- 1) Regulatory Guide 1.16 Rev. 1 Appendix A
  - 2) Notification of Region III of NRC Regulatory Operations  
 Telephone: P. Johnson, 1630 hrs, 14 Jan 75  
 Telegram: J. Keppler, 1123 hrs, 15 Jan 75
  - 3) Drawing Number: M-27

Report Number: 50-237/75-1

Report Date: January 21, 1975

Occurrence Date: January 12, 1975

Facility: Dresden Nuclear Power Station, Morris, IL



**IDENTIFICATION OF OCCURRENCE**

On January 12, 1975, at about 0305 hrs, 2 "B" core spray header failed to pressurize.

**CONDITIONS PRIOR TO OCCURRENCE**

Prior to the loss of core spray header pressure, a pump operability check has just been conducted on the 2B core spray pump following the initial fill of the Unit #2 Torus. At the time of the occurrence, the unit was in the midst of a major refueling outage.

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DESCRIPTION OF OCCURRENCE

At about 0305 hours on January 12, 1975, following core spray surveillance test 1400-S-I (Core Spray Pump Operability Check), it was discovered that 2 "B" core spray discharge header failed to pressurize. During normal operation, the ECCS fill pump maintains the core spray system pressure at approximately 100 psig. Following the surveillance test, the header pressure did not go above 10 psig.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

The apparent cause of the loss of 2B core spray header pressure at the time of the occurrence was due to the discharge stop-check valve (2-1402-8B) failing to seat properly.

ANALYSIS OF OCCURRENCE

During the loss of the 2 "B" core spray pump discharge header pressure the safety of the plant was not in jeopardy. The 2 "B" system was still operable and filled. Should the 2 "B" pump have been required, it could still have been operated.

CORRECTIVE ACTION

The immediate corrective action taken following the discovery was to manually cycle valve 2-1402-8B. This seated the stop check valve and allowed the discharge header pressure to return to normal.

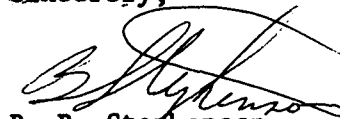
Also a work request was issued to have the valve inspected and make any necessary repairs.

FAILURE DATA

The valve is a 12" Rockwell globe non-return (check) valve.

A similar occurrence happened to the 3-1402-8A valve on Unit 3 on August 28, 1974.

Sincerely,



B. B. Stephenson  
Superintendent  
Dresden Nuclear Power Station

BBS:RWC:slb