

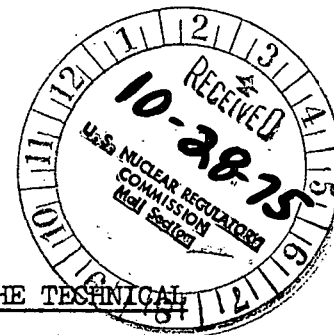


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BBS Ltr. #707-75

Dresden Nuclear Power Station
 R. R. #1
 Morris, Illinois 60450
 October 17, 1975

Regulatory Docket File



Mr. James G. Keppler, Regional Director
 Directorate of Regulatory Operation-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
MAIN STEAM LINE LOW PRESSURE INSTRUMENT DRIFT

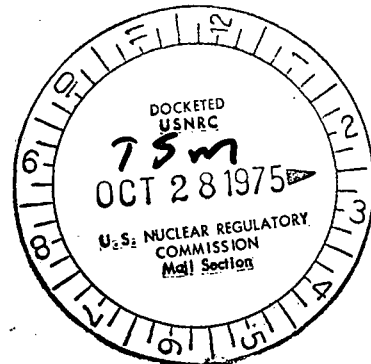
- References: 1) Regulatory Guide 1.16 Rev. 1 Appendix A
 2) Notification of Region III of U. S. Nuclear Regulatory Commission
 Telephone: Mr. P. Johnson, 1340 hours on October 14, 1975

Report Number: 50-237/75-50

Report Date: October 17, 1975

Occurrence Date: October 8, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois



IDENTIFICATION OF OCCURRENCE

Main steam line low pressure switch 261-30A was found with a setpoint below the Technical Specification limit of ≥ 855 psi.

CONDITIONS PRIOR TO OCCURRENCE

Unit-2 was in the cold shutdown mode. Routine instrument surveillance was in progress.

DESCRIPTION OF OCCURRENCE

At approximately 2000 hours on October 8, 1975, during routine surveillance of the main steam line low pressure switches, the setpoint for PS 261-30A was found at 852 psi.

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DESIGNATION OF APPARENT CAUSE OF OCCURRENCE (Setpoint Drift)

The cause of the occurrence was instrument setpoint drift. A review of the past performance of this switch indicates an average monthly drift of no more than 10 psi. The switch was found with a setpoint within station limits during the previous surveillance of September 25, 1975. The factors which contributed to cause a setpoint drift of this magnitude are unknown.

ANALYSIS OF OCCURRENCE

The function of pressure switches 261-30A-D is to initiate a Group I isolation for reactor protection in the event of rapid reactor depressurization. Since the setpoints of the remaining three pressure sensors were within specifications, the reactor protection system logic remained intact. Plant personnel and the public were not threatened by this occurrence.

CORRECTIVE ACTION

The immediate corrective action was to reset the instrument's setpoint to within the Dresden "band" of 871 ± 4 psi. As a follow-up check, the setpoint of PS261-30A was verified at 872 psi on October 15, 1975.

To prevent repetition of this type of occurrence, a monthly surveillance of these pressure switches will be maintained during reactor operation until a suitable replacement switch with minimal drift characteristics can be obtained.

FAILURE DATA

Pressure sensor 261-30A is a Barksdale pre-cycled pressure switch type B2T-A12SS(GE). These instruments have had a history of setpoint drift at Dresden.



B. B. Stephenson
Superintendent

BBS:HJH:smp

File/NRC