

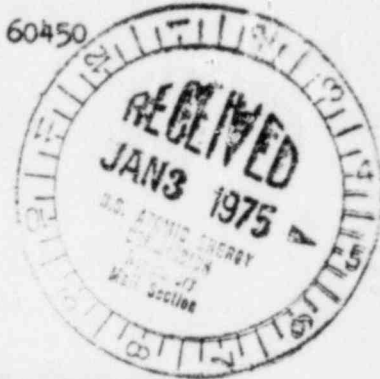


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Regulatory Docket File

BBS Ltr. #919-74

Dresden Nuclear Power Station
 R. R. #1
 Morris, Illinois 60450
 December 23, 1974



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

SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL SPECIFICATIONS REACTOR HIGH PRESSURE INST. SETPOINT DRIFT

- References:
- 1) Regulatory Guide 1.16 Rev. 1 Appendix A
 - 2) Notification of Region III of AEC Regulatory Operations
 Telephone: P. Johnson at 1335 hours on December 15, 1974
 Telegram: J. Keppler at 1545 hours on December 16, 1974
 - 3) Drawing Number GE 7368E84

Report Number: 50-10/1974-20

Report Date: December 23, 1974

Occurrence Date: December 14, 1974

Facility: Dresden Nuclear Power Station, Morris, Illinois



IDENTIFICATION OF OCCURRENCE

Dresden Unit 1 Reactor high pressure switch setpoint violation

CONDITION PRIOR TO OCCURRENCE

Dresden Unit-1 was in the run mode with a steady load of 144 MWe.

DESCRIPTION OF OCCURRENCE

During routine instrument surveillance of Reactor high pressure switch PSH-4, it was observed that its setpoint was 1078 psi, which is 3 psi above the 1075 psi limit. The switch was immediately reset to 1063 psi. The Technical

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Specification defines the maximum setpoint of this switch to be 1050 psi. The switch is located at elevation 490'-3". The pressure sensing line is tapped into the reactor at 547'-6" elevation. This arrangement sets up a head correction of 25 psi which must be added to the switch setpoint at the time of calibration. The point of pressure measurement is approximately the top of the active fuel. (See attached letter from R. J. Smith to H. K. Hoyt).

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

Unknown at this time, apparently a unique setpoint drift situation.

ANALYSIS OF OCCURRENCE

Reactor pressure switch PSH-4 is one of four switches that monitor reactor pressure and provide a scram. The switches are arranged in a "one-out-of-two-twice" logic array. The other three switches were found to be set below the Technical Specification Limit, and would have initiated a scram at 1072psi. It is therefore concluded that this occurrence is no way jeopardized the safety of plant personnel or the general public.

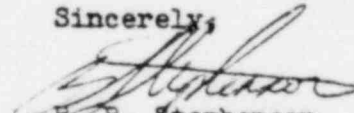
CORRECTIVE ACTION

The switch was immediately reset to 1063 psi. In addition, a graph will be maintained plotting the "as found" setpoint for all subsequent instrument calibrations. This graph will be utilized to determine if the instrument exhibits a drift potential. No further corrective action is deemed necessary at this time.

FAILURE DATA

Pressure switch PSE-4 is a Foxboro Model 41E. No incidences of setpoint drift have been observed since the Dresden Unit One Technical Specifications have been in effect. The switch is calibrated routinely once every 3 months.

Sincerely,



B. B. Stephenson

BBS:WEH:smg

POOR ORIGINAL