



Commonwealth Edison
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Address Reply to: Post Office Box 767
Chicago, Illinois 60690

BBS Ltr. #169-75

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

March 17, 1975



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

SUBJECT: REPORT OF UNUSUAL EVENT PER SECTION 6.6.C OF THE TECHNICAL SPECIFICATIONS
HIGH PRESSURE COOLANT INJECTION HIGH FLOW SWITCH SETPOINT DRIFT

- References: 1) Regulatory Guide 1.16 Rev. 1 Appendix A
- 2) Notification of Region III of U.S. Nuclear Regulatory Commission
Telephone: W. Knop, 1600 hrs, 3/7/75
Telegram: J. Keppler, 1645 hrs, 3/7/75
- 3) Drawing Number: M-51-12E2527

Report Number: 50-237/75-15

Report Date: 17 March 1975

Occurrence: 7 March 1975

Facility: Dresden Nuclear Power Station, Morris, IL 60450

IDENTIFICATION OF OCCURRENCE

HPCI Steam Line High Flow Instrument Technical Specification Setpoint Violation. This occurrence was initially considered an abnormal occurrence. Further review has concluded that this system has not been required to be operable since the last surveillance was performed on January 16, 1975. Therefore, this occurrence has been reclassified as an unusual event.

CONDITIONS PRIOR TO OCCURRENCE

Dresden Unit 2 was in the shutdown mode with a major refueling outage in progress.

DESCRIPTION OF OCCURRENCE

During routine instrument surveillance of Pressure Switch DPIS2-2352, the observed setpoint was found to be 155 inches H₂O DP increasing. This setpoint is above the Technical Specification Limit of less than or equal to 150 inches H₂O DP. The switch was immediately reset to 140 inches.

27 March 1975

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE (DESIGN/DEFICIENCY)

Pressure Switch DPIS2-2352 has had a history of setpoint drift. The switch has been inspected by the vendor (Barton) and identified as having an excessively high range for the setpoint required. Modification ML2-74-142 has been initiated to correct the range problem.

ANALYSIS OF OCCURRENCE

The function of DPIS2-2352 is to sense high flow in the HPCI steam supply, and initiate an isolation of the HPCI system. With the reactor in refuel and the head removed, the HPCI system is not required to be operable. The switch was last checked on January 16, 1975, and found to be well within limits. It is therefore concluded that the safety of plant personnel or the general public was in no way jeopardized as a result of this switch setpoint.

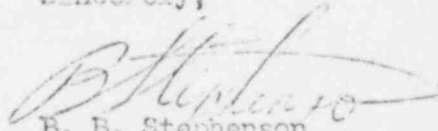
CORRECTIVE ACTION

The range of the switch will be changed by replacing the switch bellows in accordance with Modification ML2-74-142.

FAILURE DATA

Switch DPIS2-2352 was found with a setpoint above the Technical Specifications on January of 1973. The switch is a Barton Model 288 with a range of -200 to +200 inch H₂O.

Sincerely,



B. B. Stephenson

Superintendent

Dresden Nuclear Power Station

BBS:WEH:slb



Telegram

VED221(1656)(2-039458E066)PD 03/07/75 1656

ICS IPMBNGZ CSP

8159424449 TDBN MORRIS IL 81 03-07 0456P EST

PMS JAMES G KEPPLER, REGIONAL DIR, DIRECTORATE OF REGULATORY
OPERATION, REGION 3, WUX

US NUCLEAR REGULATORY COMMISSION 799 ROOSEVELT RD
GLEN ELLYN IL 60137

SUBJECT: DPR19, DRESDEN NUCLEAR POWER STATION, UNIT 2.

THIS WILL CONFIRM A CONVERSATION WITH MR KNOPF OF YOUR OFFICE AT
1615 HOURS THIS DATE CONCERNING INSTRUMENT DRIFT ON HIGH PRESSURE
COOLANT INJECTION STEAM LINE HIGH FLOW ISOLATION SWITCH DPIS2-2352.
TECH SPEC LIMIT IS EQUIVALENT TO 150 INCHES OF H2O AND SWITCH WAS
FOUND TO BE SET AT 155 INCHES OF H2O. THERE IS NO PARTICULAR SAFETY
SIGNIFICANTS TO THE FAILURE AS HPCI SYSTEM HAS NOT BEEN REQUIRED
SINCE THE LAST SUCCESSFUL TEST OF THE SWITCH.

SF-1201 (R5-69) B STEPHENSON SUPERINTENDANT DRESDEN NUCLEAR POWER STATION

COMMONWEALTH EDISON CO RR1 MORRIS IL 60450

NNNN

1975 MAR -7 PM 5:35
TELEPHONE NO. 858-2660
DATE DTD. 2/11
ATTEMPT TO DELIVER: 8374
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U.S. ATOMIC ENERGY COMMISSION
TWX UNIT

USAEC GIN
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USAEC GTWN

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01075 MORRIS IL 99 11-12 843A CST
PMS J. E. O'LEARY DIRECTORATE OF LICENSING
US ATOMIC ENERGY COMMISSION
WASHINGTON DC 20545
SUBJECT DPR-19 DRESDEN NUCLEAR POWER STATION UNIT2 THIS WILL
CONFIRM A CONVERSATION WITH KNOFF OF YOUR OFFICE AT 15300 HOURS
11 NOVEMBER 74 CONCERNING DRIFT OF HIGH PRESSURE COLLANT
INJECTION SWITCHES ABOVE THE TECHNICAL SPECIFICATIONS LIMIT
OF 200 DEGREES FAHRENHEIT AND 245 DEGREES FAHRENHEIT.
INSTRUMENT MECHANICS HAVE CHANGED FROM WATER BATH TO AIR
BATH TECHNIQUE FOR TESTING SET POINT AND THIS MAY BE A FACTOR
IN SET POINT DISCREPANCIES A NEW TYPE SWITCH IS PLANNED FOR
INSTALLATION THIS OUTAGE IN LIGHT OF PREVIOUS SWITCH SET
POINT DRIFT PROBLEM

B B STEPHENSON SUPERINTENDENT
DRESDEN NUCLEAR POWER STATION
COMMONWEALTH EDISON COMPANY
ROUTE 1 MORRIS, ILLINOIS 60450

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