

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE I A (11)		CAUSE CODE E (12)		CAUSE SUBCODE G (13)		COMPONENT CODE I N S T R U (14)		COMP. SUBCODE X (15)		VALVE SUBCODE Z (16)	
EVENT YEAR 8 3 (17)		SEQUENTIAL REPORT NO. 4 3 (18)		OCCURRENCE CODE 3 (19)		REPORT TYPE L (20)		REVISION NO. 0 (21)			
ACTION TAKEN E (22)		FUTURE ACTION X (23)		EFFECT ON PLANT Z (24)		SHUTDOWN METHOD Z (25)		HOURS 0 0 0 (26)		ATTACHMENT SUBMITTED Y (27)	
NPRD-4 FORM SUB. Y (28)		PRIME COMP. SUPPLIER Z (29)		COMPONENT MANUFACTURER Z 9 9 9 (30)							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

PUBLICITY
 ISSUED DESCRIPTION (45)
 2 0 N 44 NA
 S PDR
 NRC USE ONLY
 68 69 80

419-259-5000, Ext. 239

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-53

DATE OF EVENT: August 6, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Shutdown bypass high pressure trip bistable setpoint out of tolerance

Conditions Prior to Occurrence: The unit was in Mode 6, with Power (MWt) = 0 and Load (Gross MWe) = 0.

Description of Occurrence: On August 6, 1983 at 0900 hours, during the performance of ST 5030.04, "Reactor Coolant System (RCS) Pressure to Reactor Protection System (RPS) Refueling Period Calibration" for the RPS Channel 3, the buffer amplifier in the pressure string was found to be out of tolerance by -0.042 VDC at the low end (1800 psig). When the unit was in Mode 5, this would have resulted in the shutdown bypass high pressure trip bistable having an actual trip at about 8 psig greater than the Technical Specification 2.2.1 allowable setpoint of 1820 psig.

Technical Specification 3.3-1 action statement was not entered since shutdown bypass is only required for Modes 2, 3, 4, or 5 if in shutdown bypass. This occurrence is being reported to document a component failure.

Designation of Apparent Cause of Occurrence: Due to normal instrument drift, the buffer amplifier has drifted out of tolerance by -0.042 VDC. The procedure ST 5030.15, "RPS Shutdown Bypass High Pressure Trip Monthly Functional Test" allowed the setpoint to be set at 1820 psig, which did not allow a margin for instrument drift.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. RPS Channels 1, 2, and 4 were operable, therefore, a shutdown bypass high pressure trip would have occurred at the proper setpoint.

Corrective Action: The I&C Engineer was notified per the procedure (ST 5030.04) and the buffer amplifier was recalibrated. Maintenance Work Order 1-83-4194-00 was written to modify the setpoint to allow for instrument drift by using a more conservative setpoint for all four RPS channels. Modification T-7319 was written to ST 5030.15 to set the shutdown bypass high pressure trip setpoint at a more conservative value.

Failure Data: No previous similar events have occurred.

LER #83-043



September 2, 1983

Log No. K83-1266
File: RR2 (NP-33-83-53)

Docket No. 50-346
License No. NPF-3

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

LER No. 83-043
Davis-Besse Nuclear Power Station Unit 1
Date of Occurrence: August 6, 1983

Enclosed are three copies of Licensee Event Report 83-043 which are being submitted in accordance with Technical Specification 6.9 to provide 30 day written notification of the subject occurrence.

Yours truly,

Terry D. Murray
Station Superintendent
Davis-Besse Nuclear Power Station

TDM/ljk

Enclosures

cc: Mr. Richard DeYoung, Director
Office of Inspection and Enforcement
Encl: 30 copies

Mr. Norman Haller, Director
Office of Management and Program Analysis
Encl: 3 copies

Mr. Walt Rogers
NRC Resident Inspector
Encl: 1 copy

SEP 8 1983