

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONT

0	1	L	6	0	5	0	0	0	3	4	6	7	0	1	2	7	8	3	8	0	3	0	3	8	3	9
7	8	60	61	DOCKET NUMBER					68	69	EVENT DATE					74	75	REPORT DATE					80			

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE [0][9] 7 8		CAUSE CODE [E][C] 9 10		CAUSE SUBCODE [X] 11		COMPONENT CODE [B][A][T][T][R][Y] 12 13 14						COMP SUBCODE [Z] 15		VALVE SUBCODE [Z] 16			
LER/RO REPORT NUMBER [17]		EVENT YEAR [8][3] 21 22		SEQUENTIAL REPORT NO. [] 23		OCCURRENCE CODE [0][0][8] 24 25 26		REPORT TYPE [] 27		REPORT TYPE [L] 28 29		REVISION NO. [] 30 31					
ACTION TAKEN [X] 33		FUTURE ACTION [Z] 34		EFFECT ON PLANT [Z] 35		SHUTDOWN METHOD [Z] 36		HOURS [] 37		ATTACHMENT SUBMITTED [Y] 40		NPRD-4 FORM SUB. [Y] 41		PRIME COMP. SUPPLIER [Z] 42		COMPONENT MANUFACTURER [Z][9][9][9] 43 44 45 46 47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

FACILITY STATUS										% POWER										OTHER STATUS (30)										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION (32)									
1	5	G (28)						0	0	0	(29)	NA						B (31)						Found during performance of ST 5084.01																									
ACTIVITY CONTENT										RELEASED OF RELEASE										AMOUNT OF ACTIVITY (35)										LOCATION OF RELEASE (36)																			
1	6	Z (33)						Z	(34)	NA						NA																																	

8303140429 830303
PDR ADOCK 05000346

8303140429 830303
PDR ADDCK 05000346
S PDR

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-11

DATE OF EVENT: January 27, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Three inoperable station batteries in the D.C. distribution system

Conditions Prior to Occurrence: The unit was in Mode 5, with Power (MWT) = 0 and Load (Gross MWE) = 0

Description of Occurrence: At 1040 hours on January 27, 1983, the station Electrical Maintenance personnel conducting the weekly Station Battery Surveillance Test, ST 5084.01 discovered that battery 2P pilot cell 18 and battery 1P pilot cell 33 specific gravity read below 1.200, and also, battery 1N pilot cell 18 voltage read below 2.13. This placed the station in the action statement as required by Technical Specification 3.8.2.4 because three of the four station battery banks could not be demonstrated as operable per surveillance requirement 4.8.2.3.2.

Designation of Apparent Cause of Occurrence: The cause of this occurrence is that the current plant Technical Specification 4.8.2.3.2 is too stringent to accommodate the operating characteristics of these batteries due to normal electrolyte stratification and small voltage variations due to slight temperature changes. Currently, Technical Specification 4.8.2.3.2 requires the corrected specific gravity of both the battery bank pilot cells to be ≥ 1.200 and their voltage to be ≥ 2.13 , otherwise, the entire battery bank is to be considered inoperable. The NRC has recently re-evaluated the battery surveillance acceptance criteria in the newly issued Standardized Technical Specifications (STS). Under the new STS, the batteries will only be declared inoperable if the average specific gravity of all connected cells is ≤ 1.195 with no cell less than 0.20 below the average of all connected cells and the voltage of any connected cell is < 2.07 volts.

Also contributing to these occurrences was the possibility of errors incurred in taking a representative sample of the electrolyte solution and reading the hydrometer.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The lowest specific gravity value read was 1.196 in 2P pilot cell 18, which is 0.004 below the current Technical Specification limit of 1.200. The voltage in the 1N pilot cell 18 was 2.12 volts or 0.01 volts below the current Technical Specification limit of 2.13. These conditions would not have prevented the batteries from meeting short term power requirements. Furthermore, a five year performance test has been completed on each battery with satisfactory results in April/May 1982.

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-11
PAGE 2

Corrective Action: The batteries were immediately placed on equalize charge and at 1405 hours on January 27, 1983, all batteries were declared operable following satisfactory completion of Surveillance Test ST 5084.01.

A Facility Change Request (82-029) has been initiated to incorporate the newly issued NRC STS for the station batteries.

Failure Data: A previous similar occurrence was reported in Licensee Event Report NP-33-78-14 (78-013).

LER #83-008