

LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | O | H | D | B | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5  
7 8 9 14 15 25 26 30 57 CAT 58

CON'T  
0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 4 | 6 | 7 | 0 | 8 | 2 | 1 | 8 | 2 | 8 | 0 | 9 | 2 | 3 | 8 | 2 | 9  
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | (NP-33-82-47) On August 21, 1982 during the performance of ST 5070.01, the setpoints  
0 3 | of three main steam safety valves (MSSVs) were found to be out of tolerance. Due to a  
0 4 | damaged compression screw the setpoint of one valve was not immediately adjusted. On  
0 5 | September 16, 1982, during a Quality Assurance review of this procedure, it was deter-  
0 6 | mined that MSSV SP17A2 was set at 1070 psig rather than 1050 psig. In both occur-  
0 7 | rences, the unit entered the action statement of Technical Specification 3.7.1.1.  
0 8 | There was no danger to the public or station personnel.

0 9 | SYSTEM CODE: C C (11) CAUSE CODE: E (12) CAUSE SUBCODE: X (13) COMPONENT CODE: V A L V E X (14) COMP. SUBCODE: P (15) VALVE SUBCODE: B (16)  
17 | LER/RO REPORT NUMBER: 8 2 (21) SEQUENTIAL REPORT NO.: 0 4 1 (24) OCCURRENCE CODE: 3 (28) REPORT TYPE: L (30) REVISION NO.: 0 (32)  
ACTION TAKEN: E (18) FUTURE ACTION: A (19) EFFECT ON PLANT: Z (20) SHUTDOWN METHOD: Z (21) HOURS: 0 0 0 0 (22) ATTACHMENT SUBMITTED: Y (23) NPRD-4 FORM SUB.: Y (24) PRIME COMP. SUPPLIER: N (25) COMPONENT MANUFACTURER: D 2 4 3 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause of the valves being out of tolerance was due to normal valve aging. Under  
1 1 | MWO 81-3664, two of the valves were immediately reset. On 8/23/82, the third valve  
1 2 | was adjusted at reduced main steam pressure. The cause of setting SP17A2 at the  
1 3 | wrong setpoint was due to personnel error. SP17A2 will be reset at the earliest  
1 4 | convenience.

1 5 | FACILITY STATUS: C (28) % POWER: 0 0 0 (29) OTHER STATUS: NA (30) METHOD OF DISCOVERY: B (31) DISCOVERY DESCRIPTION: During performance of ST 5070.01 (32)

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE: Z (33) Z (34) NA (35) AMOUNT OF ACTIVITY: NA (36) LOCATION OF RELEASE: NA (36)

1 7 | PERSONNEL EXPOSURES NUMBER: 0 0 0 (37) TYPE: Z (38) DESCRIPTION: NA (39)

1 8 | PERSONNEL INJURIES NUMBER: 0 0 0 (40) DESCRIPTION: NA (41)

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION: NA (43)

2 0 | PUBLICITY ISSUED DESCRIPTION: N (44) NA (45) PDR ADOCK 05000346 S PDR (45) NRC USE ONLY

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-47

DATE OF EVENT: August 21, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Main steam safety valves (MSSV) found to be outside of  $\pm 1\%$  design setpoint range.

Conditions Prior to Occurrence: The unit was in Mode 3 with Power (MWT) = 0 and Load (Gross MWE) = 0.

Description of Occurrence: On August 21, 1982 during the performance of the MSSV Setpoint Test, ST 5070.01, three of eighteen safety valves, MSSV SP17A7, SP17B4, and SP17B6, were found to have setpoints outside the  $\pm 1\%$  tolerance. The main steam line code safety valves ensure that the secondary system pressure would be limited to within 110% of its design pressure of 1050 psig during the most severe anticipated system operational transient. The maximum relieving capacity is associated with a turbine trip from 100% rated thermal power coincident with an assumed loss of condenser heat sink (i.e., no steam bypass to the condenser). Since the station was at 0% rated thermal power and since the high flux setpoints were set to only allow up to 1% rated thermal power operation, the action statement of Technical Specification 3.7.1.1 was being met. The Technical Specification requires all main steam line code safeties to be operable in Modes 1, 2, and 3.

During a quality assurance review of the above stated procedure, ST 5070.01 performed on August 21, 1982, it was determined on September 16, 1982 that the setpoint of MSSV SP17A2 was set at 1070 psig rather than its required setpoint of 1050 psig. SP17A2 was declared inoperable at 1410 hours on September 16, 1982, and the unit trip setpoints were reset and verified to be less than 92.91 percent by 1508 hours on September 16, 1982.

Designation of Apparent Cause of Occurrence: The apparent cause of the setpoint variance is normal valve aging. The setpoint of any relief valve may vary over its life, and therefore, periodic tests are performed to verify these setpoints.

The valve, SP17B6, that was not immediately adjusted had a damaged compression screw. The compression screw adjusts the setpoint and was probably damaged when the valve was last adjusted.

The cause of setting SP17A2 at the wrong setpoint was due to personnel error. SP17A2 was set according to the setpoint value listed on the valve nameplate, which designated its setpoint at 1070 psig. The valve had been installed in 1979 as a replacement for a valve with a 1050 psig setpoint. The valve was set within its design limits at 1050 psig until August 21, 1982.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. There were still fourteen operable valves which would have lifted properly. Also, even though the setpoints of these valves were off, they were in the range of setpoints on the other valves and therefore would have lifted.

Corrective Action: Under Maintenance Work Order 81-3664, two of the valves, MSSV SP17A7 and SP17B4, were immediately readjusted, retested and declared operable. The third valve, MSSV SP17B6, was readjusted on August 23, 1982 at a reduced main steam pressure. The valve was successfully retested on August 29, 1982 and was declared operable. The damaged compression screw will be replaced at the next outage.

SP17A2 will be reset to 1050 psig at the earliest convenience. The need to comply with procedures will be reviewed with station personnel. In addition, a procedure modification will be made to address adjusting valves with setpoints different from the nameplate setpoint.

Failure Data: Previous occurrences have been reported in Licensee Event Reports NP-33-77-117, NP-33-78-145 (78-124), NP-33-79-25 (79-020), NP-33-79-51 (79-049), and NP-33-81-39 (81-034).

LER #82-041