(7-77) LICENSEE EVENT REPORT
CONTROL BLOCK:
$ 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 $
CON'T REPORT L 6 0 5 0 - 0 3 4 6 0 0 1 1 6 7 9 8 0 2 1 2 7 9 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
0 2 On 1/16/79 during a unit shutdown, it was discovered that the Boric Acid Addition Tanks
[0]3 (BAAT) total volume was 3-1/3% below that required by Technical Specification 3.1.2.9
0 4 This placed the unit in the Action Statement of Technical Specification 3.1.2.9, which
0 5 requires both BAATs be operable in Modes 1-4. The unit continued boration of the
0 6 Reactor Coolant System (RCS) to Cold Shutdown boron concentration and continued its
0 7 [cooldown to Mode 5. The unit entered Mode 5 at 1815 hours on 1/17/79, removing the
0 8 unit from the Action Statement. There was no danger to the public or unit personnel. 80 7 8 9 80
$\begin{array}{c} \textcircled{OP} \\ \hline 9 \\ \hline 7 \\ \hline 8 \\ \hline 9 \\ \hline 10 \\ \hline 10 \\ \hline 10 \\ \hline 11 \\ \hline 11 \\ \hline 11 \\ \hline 11 \\ \hline 12 \\ \hline 13 \\ \hline 14 \\ \hline 14 \\ \hline 14 \\ \hline 19 \\ \hline 10 \\ \hline 10$
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ACTION FUTURE EFFECT SHUTDOWN TAKEN ACTION ON PLANT METHOD 33 33 34 35 35 36 37 40 40 40 41 41 42 43 40 40 40 40 40 40 40 40 40 40
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
itesting followed by boration of the RCS for unit shutdown.
T 8 9 FACILITY SOUVER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) 1 6 2 (33) 2 (34) NA 45 LOCATION OF RELEASE (36) NA 45 80
7 8 9 TO THE PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
1 7 8 9 PERSONNEL INJURIES (1)
LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION
7 8 9 10 PUBLICITY (15) 700
ETO NO NA 1902200022
DVR 79-019 NAME OF PHEPAHEH Jim Marley PHONE 419-259-5000, Ext. 276

TOLEDO EDISON COMPANY DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE SUPPLEMENTAL INFORMATION FOR LER NP-33-79-16

DATE OF EVENT: January 16, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Volume in boric acid addition tanks below Technical Specification minimum requirement

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

Description of Occurrence: During the performance and review of ST 5032.02, "Boric Acid Addition Tank (BAAT) Concentration and Volume Test" on January 16, 1979 at 1800 hours, it was discovered that the combined volume of the BAATs was below the minimum volume required for the operability of the Boric Acid Addition System per Technical Specification 3.1.2.9. The volume of BAAT 1-1 was 4450 gallons at 10,667 ppm and BAAT 1-2 was 1350 gallons at 10,923 ppm, giving a combined total volume of 5800 gallons which is 200 gallons below the Technical Specification requirement of 6000 gallons.

Technical Specification 3.1.2.9 requires both the Boric Acid Addition System and Borated Water Storage Tank be operable in Modes 1-4. If the Boric Acid Addition System is inoperable, the system must be restored to operable status within 72 hours or be in at least Hot Standby and borated to a shutdown margin equivalent to 1% Δ k/k at 200°F within the next six hours. The Boric Acid Addition System must be restored to operable status within the next seven days or be in Cold Shutdown within the next thirty hours.

The unit was in Mode 3 at the time the Boric Acid Addition System was found inoperable, and was proceeding to Mode 5 for required maintenance. The unit continued its boration of the Reactor Coolant System (RCS) to Cold Shutdown boron concentration and continued its cooldown to Mode 5. The unit entered Mode 5 at 1815 hours on January 17, 1979, thus removing the unit from the Action Statement of Technical Specification 3.1.2.9.

Designation of Apparent Cause of Occurrence: The apparent cause of the occurrence was the intentional entry into the Action Statement of Technical Specification 3.1.2.9 by the reduction of the BAAT's combined volume below the Technical Specification requirements in order to borate the RCS to Cold Shutdown boron concentration for the planned unit shutdown.

Prior to the unit shutdown, the unit had recently concluded required operational testing which resuled in an abnormally high usage of boric acid, thus reducing the available supply of boric acid in the BAAT's.

LER #79-014

TOLEDO EDISON COMPANY DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE SUPPLEMENTAL INFORMATION FOR LER NP-33-79-16

<u>Analysis of Occurrence</u>: There was no danger to the health and safety of the public or to unit personnel. If needed, the Borated Water Storage Tank was available to introduce sufficient negative reactivity to provide a cold shutdown margin of 1% Δ k/k.

<u>Corrective Action</u>: The operability of the Borated Water Storage Tank was verified on ST 5099.01 on January 16, 1979 at 1330 hours, which assured compliance with the Action Statement of Technical Specification 3.1.2.9. The unit continued with its planned cooldown to Mode 5. Once in Mode 5, the unit was removed from the Action Statement of Technical Specification 3.1.2.9.

Failure Data: There have been no previously reported similar occurrences.

LER #79-014