Attachment 1
TLL 253

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: [- | | | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[P | A | T | M | I | 2] (2) [0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0] (3) [4 | | | | |] (4) [|] (5)

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

[L] (6) [0 | 5 | 0 | 0 | 0 | 3 | 2 | 0] (7) [0 | 4 | 2 | 8 | 8 | 0] (8) [0 | 5 | 2 | 8 | 8 | 0] (9)

SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 0930 hours on 4/28/80, the Boric Acid Mix Tank (BAMT) boron concentration was 13,853 ppm which was in excess of the 13,125 ppm limit required in Sections 3.1.1.1.a and 4.1.1.1.f of the Technical Specifications and the Recovery Operations Plan, respectively. This resulted in a violation of Specification 3.1.1.1.a. This event had no effect on the plant, its operation or the health and safety of the public.

SYSTEM CODE: C J (11) CAUSE CODE: X (12) CAUSE SUBCODE: Z (13) COMPONENT CODE: Z Z Z Z Z Z (14) COMP SUBCODE: Z (15) VALVE SUBCODE: Z (16)

LER/RO REPORT NUMBER (17): EVENT YEAR 8 0 | SEQUENTIAL REPORT NO 0 1 5 | OCCURRENCE CODE 0 3 | REPORT TYPE L | REVISION NO 0

ACTION TAKEN: X (18) FUTURE ACTION: X (19) EFFECT ON PLANT: Z (20) SHUTDOWN METHOD: Z (21) HOURS (22): 0 0 0 0 ATTACHMENT SUBMITTED: Y (23) NPRD-4 FORM SUB: N (24) PRIME COMP SUPPLIER: Z (25) COMPONENT MANUFACTURER: Z 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The high boron concentration in the BAMT is believed to be the result of the concentrating effects from evaporation due to the usage of the air sparger mixing apparatus. Water was added to the BAMT to decrease the boron concentration to within the limits in the spec. This was completed at 0650 hours on 4/29/80. The use of the air sparger is being discontinued and the BAMT mixer replaced.

FACILITY STATUS: X (28) % POWER: 0 0 0 (29) OTHER STATUS (30): Recovery Mode METHOD OF DISCOVERY: B (31) DISCOVERY DESCRIPTION (32): Surveillance Test Requirement

ACTIVITY RELEASED: Z (33) OF RELEASE: Z (34) AMOUNT OF ACTIVITY (35): N/A LOCATION OF RELEASE (36): N/A

PERSONNEL EXPOSURES NUMBER: 0 0 0 (37) TYPE: Z (38) DESCRIPTION (39): N/A

PERSONNEL INJURIES NUMBER: 0 0 0 (40) DESCRIPTION (41): N/A

LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION (43): N/A

PUBLICITY ISSUED: Z (44) DESCRIPTION (45) NRC USE ONLY

8006300472

3205

Attachment 2
TLL 253

LICENSEE EVENT REPORT
NARRATIVE REPORT
TMI-II

LER 80-015/03L-0
EVENT DATE-April 28, 1980

I. EXPLANATION OF OCCURRENCE

At 0930 hours on 4/28/80 the results of a Boric Acid Mix Tank Sample indicated the boron concentration was 13,853 ppm. This was in excess of the 13,125 ppm boron limit required in Sections 3.1.1.1.a and 4.1.1.1.f of the Technical Specifications and the Recovery Operations Plan respectively.

This resulted in a violation of Specification 3.1.1.1.a and entering the associated action condition.

II. CAUSE OF THE OCCURRENCE

The high boron concentration in the Boric Acid Mix Tank is believed to be the result of the concentrating effects from evaporation due to the usage of the air sparger mixing apparatus.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit II facility was in a long term cold shutdown state (Recovery Mode). The reactor decay heat was being removed via natural circulation to the A steam generator which is operating in a 'steaming' mode. Throughout the event there was no Loss of Natural Circulation in the RCS system.

IV. CORRECTIVE ACTION TAKEN OR TO BE TAKEN

IMMEDIATE

Water was added to the tank to decrease the boron concentration to within the limits in the specification. This was completed at 0645 hours on 4/29/80.

LONG TERM

Work is continuing to repair the BAMT mixer and remove the air sparger and temporary fill hose to facilitate closing the tank fill lid. This should minimize or preclude further concentrating effects from evaporation.

V. COMPONENT FAILURE DATA

N/A

Metropolitan Edison Company
Post Office Box 480
Middletown, Pennsylvania 17057
717 944-4041

Writer's Direct Dial Number

May 28, 1980
TLL 253

Office of Inspection and Enforcement
Attn: B. H. Grier, Director
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pa. 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit II (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Licensee Event Report 80-015/03L-0

Attached please find Licensee Event Report 80-015/03L-0 concerning the high boron concentration in the Boric Acid Mix Tank on April 28, 1980.

This event constitutes a violation of Section 3.1.1.1.a of the Interim Recovery Technical Specifications.

Sincerely,

/s/ G. K. Hovey

G. K. Hovey
Director, TMI-II

GKH:SDC:hah

Attachments

cc: J. T. Collins
[redacted]

A002
S
1/1

8006020 465