

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	S	C	H	B	R	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	0	4			5		
7	8	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58	

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

0 2 | On September 22, 1978, the unit was at Hot Shutdown and proceeding to Cold Shutdown.

03 | Upon sampling of the boric acid storage tanks, the concentration of Tank "B" was

0 4 | 22,796 ppm; also, the level of Tank "A" was 3075 gal. These conditions did not

05 | meet the requirements of Tech. Spec. 3.2.5. There was no significant effect on

06 reactor safety. The reactor had previously been borated to Cold Shutdown concentra-

07 | tion. The basis of the Tech. Spec. to have an adequate supply of borated water was

08 met.

7 8 9

0 9

SYSTEM CODE
P C (11)

CAUSE CODE
A (12)

CAUSE SUBCODE
B (13)

COMPONENT CODE
A C C U M U (14)

COMP. SUBCODE
Z (15)

VALVE SUBCODE
Z (16)

(17) LER/RO REPORT NUMBER 78 — 023 / 03 L — 0
 EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
 21 22 23 24 25 26 27 28 29 30 31 32

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER		
H	(18)	G	(19)	Z	(20)	Z	(21)	0	0	0	0	Y	(23)	N	(24)	N	(25)	W	1	2
33		34		35		36		37			40	41		42		43		44		

10 | The low level in Tank "A" was the result of borating the RCS to Cold Shutdown. The

11 | high concentration was the result of insufficient sampling during the batching

1 2 | process. Tank "B" was diluted to proper concentration and personnel reinstructed

13 | to follow procedures. Procedures are being revised and a Tech. Spec. change is

1 4 | being considered.

7	8	9	FACILITY STATUS				OTHER STATUS (30)				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION (32)			
1	5	G	(28)	0	0	0	29	NA	B	(31)	Chemical Analysis					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

1 6 Z (33) Z (34) NA

7 8 9 10 11 44

LOCATION OF RELEASE (36)

NA

45

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	000	(37) Z	(38) NA					

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	NA

		LOSS OF OR DAMAGE TO FACILITY		(43)
		TYPE	DESCRIPTION	
7	8	9	10	
1	9	Z	(42) NA	

PUBLICITY										NRC USE ONLY									
ISSUED		DESCRIPTION																	
2	0	N	(44)	NA															
7	8	9	10	68						69									

SUPPLEMENTAL INFORMATION TO LER 78-23

1. Cause Description and Analysis:

On September 22, 1978, the unit was at hot shutdown and proceeding to cold shutdown conditions. Upon sampling of the boric acid storage tanks, the concentration of tank "B" was found to be 22,796 ppm; also, the level of tank "A" was 3075 gallons. These conditions were contrary to the requirements of Tech. Spec. 3.2.5.

The low level in tank "A" was the result of borating the Reactor Coolant System to cold shutdown concentration. During operation of the boric acid batching system, samples were not taken at adequate frequencies which resulted in the high concentration in tank "B".

As stated above, the reactor had been borated to cold shutdown boron concentration. The basis of the technical specification is to insure an adequate supply of properly borated water to bring the reactor to cold shutdown. Since the reactor was at cold shutdown boron concentration, the basis of the specification was satisfied. However, the specification does not specifically address the condition where the RCS is in the hot shutdown condition with boron concentration at the cold shutdown concentration. Therefore, although this occurrence did not affect plant safety, it did result in a reportable event.

2. Corrective Action:

The Shift Foreman was notified of the high concentration at 1015 hours. Dilution of the tank began and it was determined to be within specifications at 1548 hours on September 22, 1978.

3. Corrective Action To Prevent Further Non-compliance

Personnel whose responsibilities include batching or sampling during batching will review this event in order to relate to them the importance of following procedures. Additionally, operating procedures will be revised to more clearly coordinate sampling during the operation. In addition, a proposed change to Technical Specifications to address the plant condition as related above is being considered.