

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Prairie Island Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 8 2				PAGE (3) 1 OF 0 2									
TITLE (4) Boric Acid Tank Inventory Allowed to be Below Tech Spec Limit																							
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)													
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)										
0	1	1	2	8	5	8	5	0	0	1	0	0	0	2	1	1	8	5	0	5	0	0	0
OPERATING MODE (9) N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 2: (Check one or more of the following) (11)																					
POWER LEVEL (10) 0 0 1 0		20.402(b)				20.408(a)				50.73(a)(2)(iv)				73.71(b)									
		20.408(a)(1)(i)				50.36(a)(1)				50.73(a)(2)(v)				73.71(a)									
		20.408(a)(1)(ii)				50.36(a)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 308A)									
		20.408(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)													
		20.408(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)													
		20.408(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME Arne A. Hunstad, Staff Engineer										TELEPHONE NUMBER 6 1 2 3 8 8 - 1 1 2 1													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC													
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO											

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

In preparation for cooldown for refueling, the reactor coolant system was borated to the cold shutdown boron concentration with the contents of the boric acid tank, whose level then fell below the Tech Spec minimum of 2000 gallons. Tech Spec clarification may be pursued.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Prairie Island Unit 1	0500028285	—	001	—	00	02 OF 02

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On January 12th, Unit 1 was at hot shutdown and preparing for cooldown for refueling. The reactor coolant system (RCS) (AB) is borated to the cold shutdown boron concentration before cooldown is begun. Boric acid for this operation is supplied from the boric acid tank (BAT) (TK). At 0400, with the RCS at cold shutdown boron concentration, the BAT level dropped below 2000 gallons, the Tech Spec minimum. Since boration was to continue, several hundred gallons of boric acid were added to the BAT and the level was brought well above 2000 gallons. At 0900 the RCS had been borated to the refueling shutdown boron concentration and the level again dropped below 2000 gallons and was allowed to remain there.

Though this operation was technically in violation of Tech Specs, the reactor core was in a safer condition with the boric acid in the RCS rather than in a BAT. The boric acid inventory is maintained to mitigate the consequences of a steam line break accident. At the first time the BAT was below the Tech Spec minimum, sufficient boric acid had already been added to the RCS to mitigate the postulated accident.

There was no effect on public health and safety. Involved personnel have reviewed this event. A Tech Spec change may be pursued to clarify the requirements for a boric acid inventory.



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February 11, 1985

U S Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket No. 50-282 License No. DPR-42

Boric Acid Tank Inventory Allowed to be  
Below Tech Spec Limit

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72  
on January 12, 1985.

*Eugene Eckholt*

for David Musolf  
Manager - Nuclear Support Services

DMM/EFE/dab

c: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
Resident Inspector, NRC  
MPCA  
Attn: J W Ferman

Attachment

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