

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) PALISADES PLANT										DOCKET NUMBER (2) 0 5 0 0 0 2 5 5										PAGE (3) 1 OF 0 2																					
TITLE (4) Inoperable Boric Acid Injection Flow Path																																									
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																							
0 8		2 4		8 5		8 5		0 1 4		0 0		0 9		2 3		8 5		NA																							
0 8		2 4		8 5		8 5		0 1 4		0 0		0 9		2 3		8 5		NA																							
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																							
N		20.402(b)										20.405(c)										80.73(a)(2)(iv)										73.71(b)									
POWER LEVEL (10)		20.405(a)(1)(i)										80.38(a)(1)										80.73(a)(2)(v)										73.71(a)									
		20.405(a)(1)(ii)										80.38(a)(2)										80.73(a)(2)(vi)										OTHER (Specify in Abstract below and in Text, NRC Form 305A)									
		20.405(a)(1)(iii)										80.73(a)(2)(i)										80.73(a)(2)(vii)(A)																			
		20.405(a)(1)(iv)										80.73(a)(2)(ii)										80.73(a)(2)(vii)(B)																			
		20.405(a)(1)(v)										80.73(a)(2)(iii)										80.73(a)(2)(viii)																			
		20.405(a)(1)(vi)										80.73(a)(2)(iv)										80.73(a)(2)(ix)																			
LICENSEE CONTACT FOR THIS LER (12)																																									
NAME R A Fenech, Technical Engineer, Palisades																TELEPHONE NUMBER 6 1 6 7 6 4 - 8 9 1 3																									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																									
CAUSE	SYSTEM	COMPONENT	MANUFAC TURE	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFAC TURE	REPORTABLE TO NPDOS																															
SUPPLEMENTAL REPORT EXPECTED (14)																EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR																					
YES (1) yes, complete EXPECTED SUBMISSION DATE: X NO																																									

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

On August 24, 1985, with the Plant in cold shutdown, operations personnel inadvertently removed all Technical Specifications required boric acid injection flow paths from service. The condition was subsequently corrected on the same day.

The occurrence was attributed to personnel error in that operations personnel assumed a required flow path was available. However, the necessary equipment in the flow path was administratively inoperable pending the performance of a surveillance test.

Personnel will be counseled on administrative requirements regarding component operability.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)  PALISADES PLANT	DOCKET NUMBER (2)  0 5 0 0 0 2 5 5	LER NUMBER (3)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	0 1 4	8 5	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

At 0515 on August 24, 1985, with the Plant in cold shutdown (less than 210 degrees), operations personnel completed a Primary Coolant System [AB] tagout to support control rod drive [AA] maintenance. Subsequent review determined that all boric acid injection flow paths to the Primary Coolant System were administratively inoperable as a result of the tagout. At 1915 on August 24, 1985, an operable flow path to the Primary Coolant System was restored.

Technical Specification 3.2.1 provides that with fuel in the reactor, there shall be at least one flow path to the core for boric acid injection. This may be accomplished by any one of the three charging pumps [CB,P] (P-55A, B or C) taking suction from the boric acid supply pumps [CB,P], or taking suction from the Safety Injection and Refueling Water Tank [BK,TK]. Also, a Low Pressure Safety Injection Pump [BP,P] may be utilized to draw water from the Safety Injection and Refueling Water (SIRW) tank and supply the Primary Coolant System with borated water.

In this occurrence, the Primary Coolant System tagout isolated the SIRW tank from the Low Pressure Safety Injection pumps. In addition, the tagout removed charging pumps P-55B and P-55C from service. This action was assumed to be acceptable, since charging pump P-55A had been returned to service on August 22, 1985. However, P-55A remained administratively inoperable following maintenance until a surveillance test could be performed to verify operability. Therefore, no operable flow path was available for boric acid injection. Subsequent to discovery of the error, charging pump P-55B was returned to service, thereby restoring the boric acid injection flow path.

This occurrence was attributed to an administrative error by operations personnel. An assumption was made that charging pump P-55A was operable, since the pump appeared to be performing all required functions. However, a surveillance test was necessary to verify this capability. The test was pending the establishment of normal operating temperatures and pressures. Personnel will be counseled on administrative requirements regarding component operability.

As previously stated, this occurrence resulted from an administrative error. Subsequent testing determined that charging pump P-55A was operable, as assumed by personnel. Therefore, no additional risk to public health or safety resulted from this occurrence.



Consumers  
Power  
Company

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

September 23, 1985

Director,  
Nuclear Reactor Regulation  
US Nuclear Regulatory Commission  
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT -  
LICENSEE EVENT REPORT 85-014 - INOPERABLE BORIC  
ACID INSPECTION FLOW PATH

Licensee Event Report (LER) 85-014 (inoperable Boric Acid Injection Flow  
Path) is attached. This event is reportable to the NRC per  
10CFR50.73(a)(2)(i).

Brian D Johnson  
Staff Licensing Engineer

CC Administrator, Region III, USNRC  
NRC Resident Inspector - Palisades

Attachment

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