

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>PALISADES PLANT</b>	DOCKET NUMBER (2) <b>0 5 0 0 0 2 5 5</b>	PAGE (3) <b>1 OF 0 2</b>
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TITLE (4)  
**INOPERABLE SAFETY INJECTION TANKS**

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)
1 2	0 7	8 4	8 4	0 2 6	0 1	0 4	0 2	8 5	N/A		0 5 0 0 0
									N/A		0 5 0 0 0

OPERATING MODE (9) **N**

POWER LEVEL (10) **0 1 9 7**

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

20.402(b)	20.406(e)	80.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	80.36(e)(1)	80.73(a)(2)(v)	73.71(a)
20.406(a)(1)(ii)	80.36(e)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
20.406(a)(1)(iv)	X 80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(a)	

LICENSEE CONTACT FOR THIS LER (12)

NAME <b>David W Rogers, Technical Engineer, Palisades</b>	TELEPHONE NUMBER AREA CODE <b>6 1 6</b> NUMBER <b>7 6 4 - 8 9 1 3</b>
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD'S	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD'S
X	B P	L I	S 1 8 5	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On December 7, 1984, with the Plant at 97% power, a safety injection tank was required to be drained below the minimum Technical Specifications level while calibrating a level instrument. During this evolution, valve leakage allowed a second safety injection tank to drain below the minimum level. This exceeded the Technical Specification limit which allows only one safety injection tank to be inoperable during power operations.

A power reduction was commenced while actions were taken to recover the tank level. Normal level was restored in approximately two minutes, and power operations was continued.

Investigation has revealed that the level indication on the second tank was inaccurate and did not warn personnel of the approaching low level. The instrument has been calibrated satisfactorily.

Reference Licensee Event Reports 83-014, 019, 024, 027, 031, 047, 051, and 052.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  PALISADES NUCLEAR PLANT	DOCKET NUMBER (2)  0 5 0 0 0 2 5 5 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	- 0 2 6	- 0 1	0 2	OF	0 2

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

On December 7, 1984, with the Plant at 97% power, safety injection tank (BP;TK) T-82C was partially drained to allow calibration of the level indicating instrument (BP;LI). Since safety injection tank (SIT) T-82C was below the minimum level of 186 inches required by Technical Specification 3.3.1 (b), the tank was declared inoperable. Technical Specification 3.3.2 allows a single SIT to be inoperable for one hour during power operation.

At 2232, a low level alarm was also received for SIT T-82D. Since Technical Specifications do not allow two safety injection tanks to be inoperable, an immediate power reduction was commenced. At 2234, SIT T-82D level was recovered, and normal power operation was restored.

Control Operators routinely monitor all SIT levels while draining any of the tanks to preclude an inadvertent draining. While the operators were monitoring the level in this instance, the indicated level for T-82D remained greater than the minimum requirement of 186 inches, due to the level instrument being out of calibration. The low level condition was annunciated by an independent low level alarm switch.

Similar occurrences were reported in Licensee Event Reports 83-014, 019, 024, 027, 031, 038, 047, 051, and 052. In these previous events, leakage from a fill and drain valve allowed two SITs to become inoperable.

Although repairs were performed, minor valve leakage continues to exist and, in this event, was complicated by incorrect level indication. The faulty level instruments were subsequently calibrated. The instruments will be maintained, as necessary, to ensure reliable level indication is available. The minor valve leakage which allowed T-82D to drain is within acceptable limits, and is a result of the high boric acid concentration environment. Reliable indication, in conjunction with continued operator attention to draining evolutions, will preclude recurrence.

Although safety injection tanks T-82C and T-82D were declared inoperable, both tanks were available to supply low pressure injection. In addition, the low level was immediately recognized and corrected. Since the duration of this event was very short and the level deviation was minimal, the additional risk associated with this event was limited. Therefore, no threat to public health or safety resulted.



Consumers  
Power  
Company

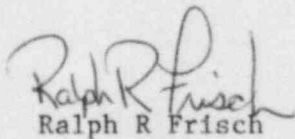
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April 2, 1985

US Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT -  
LICENSEE EVENT REPORT 84-026 - REVISION 1 -  
INOPERABLE SAFETY INJECTION TANKS

Licensee Event Report (LER) 84-026, Revision 1 (Inoperable Safety Injection Tanks) is attached. This revision corrects previous inaccurate conclusions specified in our January 7, 1985, submittal. This event is reportable to the NRC per 10 CFR 50.73(a)(2)(i), (a)(2)(ii) and (a)(2)(v).

  
Ralph R Frisch

Senior Licensing Analyst

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

Attachment

LE22  
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