NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Field	Value
01 Licensee Code (2)	M I P A L 1
License Number (3)	0 0 - 0 0 0 0 0 - 0 0
License Type (4)	4 1 1 1 1
CAT (5)	
CON'T 01 Report Source (6)	L
Docket Number (7)	0 5 0 0 0 2 5 5
Event Date (8)	1 1 0 5 8 2
Report Date (9)	1 1 1 9 8 2

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation, T-82B ("B" Safety Injection Tank) level
03 reached the T/S limit of 198 inches. T-82B sample showed boron concentration
04 below T/S limit of 1720 ppm. Tank level was promptly restored, but
05 boron concentration could not be restored within 1 hour time limit.
06 Event occurred again on 11/7/82. Condition reportable per TS 3.3.1.b and
07 6.9.2.a(2).
08

09	System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
	S F	E	B	A C C U M U	Z	Z

(17) LER/RO Report Number	Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
	8 2	—	0 3 9	/	0 1	T	—	0

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
X	X	Z	Z	0 0 0 0	Y	N	N	N 1 5 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Level increase/decrease in boron concentration due to minor leakage past loop
11 check valve and SIT check valve or fill-and-drain valve. Loss of SIT level
12 indication is compounding the problem. Primary coolant leak rate is being
13 closely monitored. Valves will be inspected during next refueling outage.
14 Level transmitter failure to be investigated during next extended shutdown.

15	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
	E	1 0 0	NA	A	Alarm Annunciator

16	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
	Z	Z	NA	NA

17 Personnel Exposures	Number (37)	Type (38)	Description (39)
	0 0 0	Z	NA

18 Personnel Injuries	Number (40)	Description (41)
	0 0 0	NA

19 Loss of or Damage to Facility	Type (42)	Description (43)
	Z	NA

20 Publicity	Issued (44)	Description (45)	NRC Use Only
	N	NA	

Attachment to LER 82-39
Palisades Plant
November 19, 1982

As reported in LER 82-29, 82-33 and 82-36, Palisades has been experiencing minor leakage (within Technical Specification limits) in T-82B (B Safety Injection Tank). The leakage is past loop check valve 3116 and either the tank check valve 3117 or the fill and drain valve CV-3043. While this leakage would not normally result in a significant problem or a reportable event, the problem has been compounded by a failure of th;e Safety Injection Tank (SIT) level indicating system. Consequently, the operators have had to rely on the high and low level swithch alarms for level indication. Each time one of the alarms is received, a Limiting Condition for Operation (LCO) is entered. Specifically, the SIT must be declared inoperable until the level and boron concentration are reestablished within the limits of TS 3.3.1.b; therefore, the LCO of TS 3.3.2.a is entered.

On November 5, 1982 at 0759, a high level alarm was received on T-82B. A sample from T-82B at 0848 showed boron concentration to be 1690 ppm. While T-82B level was promptly restored to the normal operating level, boron concentration could not be restored until 1025. Consequently, T-82B was inoperable for more than one hour permitted by Technical Specification 3.3.2.a. The situation reoccurred on November 7. T-82B level was again promptly restored within the one hour limit.

Inspection and repair of check valve 3116 is currently scheduled for the next refueling outage. Additional monitoring will be performed to determine which other valves are leaking and necessary repairs will also be made during the next refueling outage.

Repair of the level indicating system during plant operation is precluded because of the high radiation field. Therefore, additional testing will be performed to isolate and correct the problem during the next extended shutdown.