PALISADES PLANT
LER 82-42

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

Line	Field	Entry
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 1 2 8 2
	REPORT DATE (9)	1 1 2 9 8 2

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation, a monthly sample of T-82D ("D" Safety Injection Tank) showed boron concentration to be below the T/S Limit of 1720 ppm. Boron concentration could not be restored within 1 hour time limit. Condition reportable per TS 3.3.1.b and 6.9.2.a(2).

Line	Field	Entry
09	SYSTEM CODE (11)	S F
	CAUSE CODE (12)	E
	CAUSE SUBCODE (13)	B
	COMPONENT CODE (14)	A C C U M U
	COMP. SUBCODE (15)	Z
	VALVE SUBCODE (16)	Z
(17) LER/RO REPORT NUMBER	EVENT YEAR	8 2
	SEQUENTIAL REPORT NO.	0 4 2
	OCCURRENCE CODE	0 1
	REPORT TYPE	T
	REVISION NO.	0
	ACTION TAKEN (18)	X
	FUTURE ACTION (19)	X
	EFFECT ON PLANT (20)	Z
	SHUTDOWN METHOD (21)	Z
	HOURS (22)	0 0 0 0 0
	ATTACHMENT SUBMITTED (23)	Y
	NPRD-4 FORM SUB. (24)	N
	PRIME COMP. SUPPLIER (25)	N
	COMPONENT MANUFACTURER (26)	N 1 5 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Boron dilution due to minor leakage past loop check valve and SIT check valve or fill and drain valve. Primary coolant leak rate is being closely monitored. Valves will be inspected during next refueling outage.

Line	Field	Entry
15	FACILITY STATUS (28)	E
	% POWER (29)	1 0 0
	OTHER STATUS (30)	NA
	METHOD OF DISCOVERY (31)	B
	DISCOVERY DESCRIPTION (32)	Routine Sample
16	ACTIVITY RELEASED (33)	Z
	CONTENT OF RELEASE (34)	Z
	AMOUNT OF ACTIVITY (35)	NA
	LOCATION OF RELEASE (36)	NA
17	PERSONNEL EXPOSURES NUMBER (37)	0 0 0
	TYPE (38)	Z
	DESCRIPTION (39)	NA
18	PERSONNEL INJURIES NUMBER (40)	0 0 0
	DESCRIPTION (41)	NA
19	LOSS OF OR DAMAGE TO FACILITY TYPE (42)	Z
	DESCRIPTION (43)	NA
20	PUBLICITY ISSUED (44)	N
	DESCRIPTION (45)	NA
	NRC USE ONLY	

8212060073 821129
PDR ADOCK 05000255
S PDR

Attachment to Licensee Event Report 82-42
Consumers Power Company
Palisades Plant
Docket 50-255

At 1250 on November 12, 1982, a routine monthly sample of T-82D (D Safety Injection Tank) showed boron concentration to be 1700 ppm. Since the boron concentration was less than the 1720 ppm Technical Specification limit, T-82D was declared inoperable. The tank was subsequently drained and refilled from the Safety Injection Refueling Water (SIRW) tank to restore the boron concentration. Although these actions were taken promptly, boron concentration could not be restored until 1430, thus exceeding the one hour limit of Technical Specification 3.3.2.a.

The decrease in T-82D boron concentration has been attributed to minor PCS leakage (within Technical Specification limits) into the tank. This leakage is past loop check valve 3146 and either the tank check valve 3147 or the fill and drain valve CV-3003.

Inspection and repair of check valve 3146 is currently scheduled for he 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.