

LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
1 M A P A L 1	0 0 - 0 0 0 0 0 - 0 0	4 1 1 1 1	0 1
7 8 9 14	15 25	26 30	31 32

CONT	REPORT TYPE	REPORT SOURCE	DOCK Y NUMBER	EVENT DATE	REPORT DATE
01 * *	T	L	0 5 0 - 0 2 5 5	1 1 2 5 7 7	1 2 1 6 7 7
7 8 57 58	59	60	61 68	69 74	75 80

EVENT DESCRIPTION

02	During normal steady state operation, the "R" bus became de-energized causing a com-	80
03	plete loss of off-site power and resulting in a loss of main condenser cooling water.	80
04	The reactor was manually tripped. The primary plant was stabilized in the hot con-	80
05	dition and was borated. LCOs of Tech Spec 3.1.1, 3.7.1 were exceeded. Event similar	80
06	to ER-77-047. (Contd on attached sheet.)	80

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
E A	F	Z Z Z Z Z Z	Z	Z 9 9 9	Y
7 8 9 10	11	12 17	43	44 47	48

CAUSE DESCRIPTION

08	Cause of "R" bus loss not known and is still under investigation.	80
09		80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
E	0 8 5	N/A	a	N/A
7 8 9	10 12 13	44	45	46

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
G	H	34.4 (Contd below.)	Secondary water to atmosphere.
7 8 9	10 11	44	45

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
0 0 0	Z	N/A
7 8 9 11	12	13

PERSONNEL INJURIES

NUMBER	DESCRIPTION
0 0 0	N/A
7 8 9 11	12

PROBABLE CONSEQUENCES

15	N/A	80
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LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
Z	N/A
7 8 9 10	11

PUBLICITY

17	N/A	80
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ADDITIONAL FACTORS

18	(Amount of Activity - Contd) microcuries of I-131; 29.2 microcuries of I-133.	80
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19		80
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POOR
ORIGINAL

790921 0449 790921 00232

990066

Attachment to Licensee Event Report 77-055

Event Description (Contd)

During the incident, a primary coolant leak occurred in the letdown line. The leak was isolated. Both diesel generators operated normally to supply electrical power during the incident. Electrical power was restored in 2.3 hours.

The delay in reporting this event was discussed with Region III. See our letter dated December 9, 1977.

(ER-77-55)

990067

LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK: 1 2 3 4 5 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME 1 M I P A L 1														LICENSE NUMBER 0 0 - 0 0 0 0 0 - 0 0										LICENSE TYPE 4 1 1 1 1					EVENT TYPE 0 1						
REPORT TYPE 0 1 CONT * *														REPORT SOURCE I		DOCKET NUMBER 0 5 0 - 0 2 5 5										EVENT DATE 1 2 1 1 7 7					REPORT DATE 1 2 2 1 7 7				

EVENT DESCRIPTION

02 During normal steady-state operation, the 'R' bus became de-energized, causing a																																																																															
03 complete loss of offsite power and resulting in a loss of main condenser cooling																																																																															
04 water. The reactor was manually tripped. The primary plant was stabilized in the hot																																																																															
05 condition and was borated. Technical Specifications 3.1.1.a and 3.7.1 were violated																																																																															
06 Both diesel generators operated normally to supply electrical power during the 1.5																																																																															

SYSTEM CODE E A										PRIME COMPONENT SUPPLIER Z		COMPONENT MANUFACTURER Z 9 9 9										VIOLATION Y					(cont'd) (ER-77-58)									
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CAUSE DESCRIPTION

08 The cause of the 'R' bus loss is unknown at this time. To mitigate the consequences																																																																															
09 of future 'R' bus losses, the tripping scheme for the 'R' bus has been modified so																																																																															
10 that a signal from the stripping relay (486 s-x) will trip neither the 345 KV supply																																																																															

FACILITY STATUS E										% POWER 1 0 0										OTHER STATUS NA										METHOD OF DISCOVERY a										DISCOVERY DESCRIPTION NA									
FORM OF ACTIVITY RELEASED G										CONTENT OF RELEASE H										AMOUNT OF ACTIVITY 15 (cont'd)										LOCATION OF RELEASE Secondary water to atmosphere																			

PERSONNEL EXPOSURES

NUMBER 0 0 0										TYPE 2										DESCRIPTION NA									
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PERSONNEL INJURIES

NUMBER 0 0 0										DESCRIPTION NA									
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PROBABLE CONSEQUENCES

NUMBER 0 0 0										DESCRIPTION NA									
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LOSS OR DAMAGE TO FACILITY

TYPE 2										DESCRIPTION NA									
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PUBLICITY

NUMBER 0 0 0										DESCRIPTION NA									
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ADDITIONAL FACTORS

1 (Amount of Activity- cont'd) microcuries of I-131; 7.5 microcuries of I-133.																																																																															
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19																																																																															
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POOR ORIGINAL

7709210457

330068

Event Description, (cont'd):

hours that off-site power was not available. This event similar to ER 77-055.

(ER 77-058)

Cause Description (cont'd):

breaker 27-R8 nor the low side breakers feeding the 2400 and 4160 volt buses. The 27-PG breaker will trip from the transformer bank differential relays, and thermal trips for the feeder breakers have been retained. This scheme retains electrical fault protection, yet will prevent plant trips from spurious action of the 'R' bus stripping relay.

To determine the source of the 'R' bus stripping signals, the 486 S-X relay has been instrumented so that recorder traces can be obtained in the event future trips occur.

990069