

# LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK:                  

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME		LICENSE NUMBER										LICENSE TYPE				EVENT TYPE						
M	I	P	A	L	1	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		DOCKET NUMBER										EVENT DATE				REPORT DATE					
0	1	*	*	T	L	0	5	0	-	0	2	5	5	0	9	2	4	7	7	1	0	1	8	7	7
7 8		57 59		59 60		61		68		69		74		75		80									

**EVENT DESCRIPTION**

0	2	During an electrical storm, the 'R' Bus was de-energized causing a complete loss																							
0	3	of off-site power, resulting in a loss of main condenser cooling water and ultimately																							
0	4	a plant trip. Primary plant was stabilized in the hot condition and was borated.																							
0	5	Event nonrepetitive. Tech Specs 3.1.1 and 3.7.1 were violated. Electrical power																							
0	6	was restored after 4.75 hours and the plant returned to Tech Spec limits. (ER-77-47)																							

SYSTEM CODE		CAUSE CODE		COMPONENT CODE								PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
0	7	E	A	C	Z	Z	Z	Z	Z	Z	Z	Z	Z	9	9	9	9	Y	
7 8 9 10		11		12		17		43		44		47		48					

**CAUSE DESCRIPTION**

0	8	Exact cause of loss of electrical power is not known. A change to the Tech Specs																							
0	9	will be made to make this type of event a nonviolation.																							

FACILITY STATUS		% POWER		OTHER STATUS								METHOD OF DISCOVERY		DISCOVERY DESCRIPTION											
1	1	E	1	0	0	N/A								A	N/A										
7 8 9		10		12		13		44		45		46		80											

  

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY								LOCATION OF RELEASE									
1	2	Z	Z	N/A								N/A									
7 8 9		10		11		44		45		80											

**PERSONNEL EXPOSURES**

NUMBER		TYPE		DESCRIPTION											
1	3	0	0	0	Z	N/A									
7 8 9		11		12		80									

**PERSONNEL INJURIES**

NUMBER		DESCRIPTION													
1	4	0	0	0	N/A										
7 8 9		11		12		80									

**PROBABLE CONSEQUENCES**

1	5	N/A																							
7 8 9		80																							

**LOSS OR DAMAGE TO FACILITY**

TYPE		DESCRIPTION																					
1	6	Z	N/A																				
7 8 9		10		80																			

**PUBLICITY**

1	7	N/A																							
7 8 9		80																							

**ADDITIONAL FACTORS**

1	8	N/A																							
7 8 9		80																							

1	9																								
7 8 9		80																							

POOR ORIGINAL

790921044.4

790919022.1

990064

ATTACHMENT TO LER 77-047

The cause of the 'R' Bus loss is not known. Loss of off-site power causes a loss of main condenser cooling water. Thus, the main turbine tripped on high back pressure and tripping of the main generator and reactor occurred. Both emergency diesel generators started immediately, loaded properly and performed satisfactorily throughout the incident. The secondary system was isolated, primary system stabilized and the plant functioned as designed during the incident. Atmospheric dumps were operated as necessary to maintain PCS temperature. During the incident, power was lost to the Security System and extra Security personnel were called into the plant. Technical Specifications 3.1.1 and 3.7.1 were violated.

- 3.1.1 At least one primary coolant pump or shutdown cooling pump shall be in operation whenever a change is being made in the boron concentration of the primary coolant.

It is conservative and prudent to borate the plant to shutdown condition after a reactor trip. Boron samples during the incident and after restoring primary coolant flow were as anticipated and verified that no stratification occurred.

- 3.7.1 The primary coolant system shall not be heated above 325°F or maintained above 325°F if the following electrical systems are not operable.

- a. Station power transformer 1-2.
- b. Start-up transformer 1-2.
- 1. 2400 'V' Bus 1-E.

Throughout the incident the plant was maintained in hot shutdown. Power was restored after 4 hours and 45 minutes. It was prudent to maintain the PCS hot rather than add to the Operators workload as power was restored shortly, and plant conditions were stabilized. This is permitted by C.E. Standard Technical Specifications. Changes to 3.1.1 and 3.7.1 will be submitted for approval.

The plant operated as analyzed and no failures of safety-related systems occurred as a result of this incident.

990065