



**Consumers  
Power  
Company**

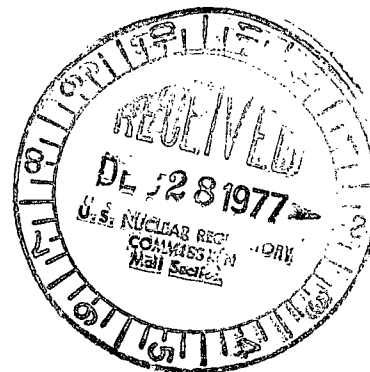
**REGULATORY DOCKET FILE COPY**

*D. Landon*

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

December 16, 1977

Mr James G Keppler  
Office of Inspection and Enforcement  
Region III  
US Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137



DOCKET 50-255 - LICENSE DPR-20 -  
PALISADES PLANT - ER-77-55 - LOSS OF  
OFF-SITE POWER AND PLANT TRIP

Attached is a reportable occurrence related to the loss of off-site power  
and subsequent plant trip at the Palisades Plant.

*David A. Bixel*

David A Bixel  
Nuclear Licensing Administrator

CC: ASchwencer, USNRC

DEC 19 1977

# LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK:            

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME		LICENSE NUMBER		LICENSE TYPE		EVENT TYPE	
01	M	A	P	A	L	1	
0	0	-	0	0	0	0	
4	1	1	1	1	1	0	1
7	8	9	14	15	25	26	30
REPORT TYPE		REPORT SOURCE		DOCKET NUMBER		EVENT DATE	
01	CONT	*	*	T	L	0	5
0	5	0	-	0	2	5	5
1	1	2	5	7	7	1	2
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	
07	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
10		80

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11	E	0	8	5	N/A	a		N/A	
12	G	H	34.4	(Contd below.)				Secondary water to atmosphere.	
7	8	9	10	11	44	45	46	48	80

## PERSONNEL EXPOSURES

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

## PERSONNEL INJURIES

NUMBER		DESCRIPTION	
14	0	0	0
			N/A
7	8	9	11

## PROBABLE CONSEQUENCES

15	N/A	80
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## LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION	
16	Z		N/A
7	8	9	10

## 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
19		80

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)