



**Consumers
Power
Company**

W. Zamboni

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

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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-76-36 -
CONTAINMENT AIR LOCKS

Attached is an event report which relates to the Palisades Plant. This event concerns leakage problems which were encountered during testing or inspection of the personnel and escape air locks.

David A. Bixel

David A Bixel
Assistant Nuclear Licensing Administrator

NOV 23 1976

PALISADES PLANT

(PLEASE PRINT ALL REQUIRED INFORMATION)

01		CON'T		*	*	REPORT TYPE		REPORT SOURCE		DOCKET NUMBER					EVENT DATE					REPORT DATE					
7	8	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
				T	L	0	5	0	-	0	2	5	5	1	1	0	5	7	6	1	1	1	9	7	6

02 During routine testing and investigation of containment penetrations, air leakage
7 8 9 80
03 was observed during both the testing of the escape and personnel air locks. Also,
7 8 9 80
04 as part of these tests, procedures were not properly followed and no as found
7 8 9 80
05 leakage measurements were taken. The leakage problems have been corrected and
7 8 9 80
06 remedial action with respect to failure to follow procedures has been (See Line 18)
7 8 9 80

08	See attached sheet.	80
09		80
0		80

7 8		9		10 11 12			13 14		15 16		17 18		19 20	
ID		FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			
1	1	E		1	0	0	NA		b		NA			

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

NUMBER				TYPE	DESCRIPTION
1	3	0	0	0	NA

NUMBER				DESCRIPTION	
1	4	0	0	0	NA

7 8 9 11 12 80

15 None. A redundant door was operating satisfactorily.

TYPE			DESCRIPTION
16	Z		NA

17 None.

7 8 9 taken. Retesting of the lock was satisfactorily conducted. (ER-76-36) 80

19 | _____ 80

LICENSEE EVENT REPORT
ER-76-36

Palisades

Escape Lock

During an investigation of the operation of the escape lock opening and closing mechanisms, the air lock inner door was observed to be incorrectly closing and that air was passing by the door when it was "closed." Investigation revealed that with the normal containment pressure (approximately 2 psig), and with the lock equalized to outside pressure, the door seating (latching) mechanism was not adjusted properly to prevent air from escaping by the inner door seal. The door sealing mechanism was adjusted and an effective seal obtained.

The outer door was functioning properly at the time of this event and it is also considered likely that should an accident have occurred, any significant increase in containment pressure would have caused the inner door to seal.

Personnel Lock

During the local leak testing of the personnel lock, leakage was identified when the lock was pressurized to about 20 psig. The lock was depressurized and the leak repaired. The leakage was through a shaft seal associated with the outer door locking mechanism. Retesting of the lock was satisfactory.

A review of this event disclosed that procedures were not followed properly in that an "as found leakage" was not determined. Action to correct this has been taken.