



**Consumers  
Power  
Company**

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

September 10, 1976

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

DOCKET 50-255, LICENSE DPR-20  
PALISADES PLANT, ER-76-25  
HYDROGEN RECOMBINER

Attached is a reportable event related to the Palisades Plant. This event has been classified as a condition leading to operation in a degraded mode.

David A. Bixel  
Assistant Nuclear Licensing Administrator

SEP 15 1976

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME <span style="border: 1px solid black; padding: 0 5px;">01</span> <span style="border: 1px solid black; padding: 0 5px;">M</span> <span style="border: 1px solid black; padding: 0 5px;">I</span> <span style="border: 1px solid black; padding: 0 5px;">P</span> <span style="border: 1px solid black; padding: 0 5px;">A</span> <span style="border: 1px solid black; padding: 0 5px;">L</span> <span style="border: 1px solid black; padding: 0 5px;">1</span>	LICENSE NUMBER <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span>	LICENSE TYPE <span style="border: 1px solid black; padding: 0 5px;">4</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span>	EVENT TYPE <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">3</span>
REPORT TYPE <span style="border: 1px solid black; padding: 0 5px;">01</span> <span style="border: 1px solid black; padding: 0 5px;">CONT</span>	REPORT SOURCE <span style="border: 1px solid black; padding: 0 5px;">L</span> <span style="border: 1px solid black; padding: 0 5px;">L</span>	DOCKET NUMBER <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">5</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">2</span> <span style="border: 1px solid black; padding: 0 5px;">5</span> <span style="border: 1px solid black; padding: 0 5px;">5</span>	EVENT DATE <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">8</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">3</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> <span style="border: 1px solid black; padding: 0 5px;">6</span>
REPORT DATE <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> <span style="border: 1px solid black; padding: 0 5px;">6</span>			

## EVENT DESCRIPTION

02 While performing the semiannual operational check of the two hydrogen recombiners, 80

03 Unit M69B could only be loaded to 43 kW and the resulting heater temperature was 80

04 170°F below the temperature required by Technical Specification 4.2.2.12.b.4 80

05 (1200°F). The heater met the requirements of the six-month test but would not meet 80

06 the requirements of the 18-month test. The unit is considered inoperable. (ER-76-25) 80

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
<span style="border: 1px solid black; padding: 0 5px;">S</span> <span style="border: 1px solid black; padding: 0 5px;">E</span>	<span style="border: 1px solid black; padding: 0 5px;">F</span>	<span style="border: 1px solid black; padding: 0 5px;">R</span> <span style="border: 1px solid black; padding: 0 5px;">E</span> <span style="border: 1px solid black; padding: 0 5px;">C</span> <span style="border: 1px solid black; padding: 0 5px;">O</span> <span style="border: 1px solid black; padding: 0 5px;">M</span> <span style="border: 1px solid black; padding: 0 5px;">B</span>	<span style="border: 1px solid black; padding: 0 5px;">A</span>	<span style="border: 1px solid black; padding: 0 5px;">W</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">2</span> <span style="border: 1px solid black; padding: 0 5px;">0</span>	<span style="border: 1px solid black; padding: 0 5px;">N</span>

## CAUSE DESCRIPTION

08 The preliminary inspection indicates that one phase of the heater is grounded. A 80

09 detailed investigation will be made at the next plant cold shutdown. In addition 80

10 to the 100% redundant recombiner unit the containment purge system is (see Line 18) 80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<span style="border: 1px solid black; padding: 0 5px;">E</span>	<span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">9</span>	NA	<span style="border: 1px solid black; padding: 0 5px;">b</span>	NA

  

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
<span style="border: 1px solid black; padding: 0 5px;">Z</span>	<span style="border: 1px solid black; padding: 0 5px;">Z</span>	NA	NA

## PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span>	<span style="border: 1px solid black; padding: 0 5px;">Z</span>	NA

## PERSONNEL INJURIES

NUMBER	DESCRIPTION
<span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span>	NA

## PROBABLE CONSEQUENCES

15 None - Redundant systems are available. 80

## LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 0 5px;">Z</span>	NA

## PUBLICITY

17 None 80

## ADDITIONAL FACTORS

18 (Contd From Line 10) available. Either system is capable of maintaining H<sub>2</sub> below 80

19 the combustible limit during post LOCA conditions. 80