

# LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: M I P A L 1  
 LICENSE NUMBER: 0 0 - 0 0 0 0 0 0 - 0 0  
 LICENSE TYPE: 4 1 1 1 1  
 EVENT TYPE: 0 1

REPORT TYPE: T  
 REPORT SOURCE: L  
 DOCKET NUMBER: 0 5 0 - 0 2 5 5  
 EVENT DATE: 0 1 3 1 7 7  
 REPORT DATE: 0 2 1 4 7 7

## EVENT DESCRIPTION

02 On January 31, 1977, ice loading on the 345 kV bus tie and station power lines between the Palisades Plant and the switchyard were observed to be greater than normally expected due to the cooling tower plume passing the lines. Plant power level was held at 60% until 4 PCP loss of flow without turbine generator coastdown could be analyzed and proper operation of both diesel generators verified. (ER-77-10)

SYSTEM CODE: E G  
 CAUSE CODE: C  
 COMPONENT CODE: Z Z Z Z Z Z  
 PRIME COMPONENT SUPPLIER: Z  
 COMPONENT MANUFACTURER: Z Z Z Z Z  
 VIOLATION: N

## CAUSE DESCRIPTION

08 Abnormal icing is due to environmental conditions and operation of the cooling towers.  
 09 FSAR Accident Analysis (Sec 14.7) does not consider 4 pump loss of flow incident without turbine generator assist as credible.

11 FACILITY STATUS: E  
 % POWER: 0 6 0  
 OTHER STATUS: NA  
 METHOD OF DISCOVERY: b  
 DISCOVERY DESCRIPTION: Visual Obs of Towers & Lines  
 12 FORM OF ACTIVITY RELEASED: Z  
 CONTENT OF RELEASE: Z  
 AMOUNT OF ACTIVITY: NA  
 LOCATION OF RELEASE: NA

## PERSONNEL EXPOSURES

13 NUMBER: 0 0 0  
 TYPE: Z  
 DESCRIPTION: NA

## PERSONNEL INJURIES

14 NUMBER: 0 0 0  
 DESCRIPTION: NA

## PROBABLE CONSEQUENCES

15 None; loss of 4 PCP analysis indicates adequate MDNBR.

## LOSS OR DAMAGE TO FACILITY

16 TYPE: Z  
 DESCRIPTION: NA

## PUBLICITY

17 NA

## ADDITIONAL FACTORS

18 NA

19 NA



**Consumers  
Power  
Company**

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

February 14, 1977

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-77-10 -  
FOUR PCP LOSS OF FLOW

On February 1, 1977, we notified the IE staff of increased icing on the transmission towers and lines between the Palisades Plant and the 345 kV switchyard. The consequences of a complete tower failure could result in a condition not specifically considered in the FSAR Section 14.7. We, therefore, initiated analysis to determine the structural adequacy of the towers and lines as well as a 4-pump loss of flow without steam generator coastdown. The 4-pump loss of flow analysis has been completed and transmitted to the NRC staff for review. The results indicated the transient to be less severe than others presented in Section 14.7 of the FSAR. Preliminary analyses of the transmission towers and lines have been completed which indicate that a margin of safety exists for observed ice loadings. Additional evaluations are being made to determine if any modifications to the towers or lines are required.

David P Hoffman (Signed)

David P Hoffman  
Assistant Nuclear Licensing Administrator

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