



**Consumers
Power
Company**

COPY

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

May 16, 1974



Mr. John F. O'Leary, Director
Directorate of Licensing
US Atomic Energy Commission
Washington, DC 20545

Re: Docket 50-255
License DPR-20
Palisades Plant
AO-7-74

Dear Mr. O'Leary:

Abnormal Occurrence Report AO-7-74 is attached. It is described as a power supply failure to the reactor protective system trip unit.

Yours very truly,

Ralph B. Sewell (Signed)

RBS/ds

Ralph B. Sewell
Nuclear Licensing Administrator

CC: JGKeppler,
USAEC

8308230676 740516
PDR ADOCK 05000255
S PDR

1530
COPY SENT REGION *III*

ABNORMAL OCCURRENCE REPORT
Palisades Plant

1. Report Number: 74-7, Docket 50-255
- 2a. Date: May 16, 1974
- 2b. Occurrence Date: May 6, 1974
3. Facility: Palisades Plant
4. Identification of Occurrence: RPS Trip Unit Power Supply Failure
5. Conditions Prior to Occurrence: Refueling Shutdown
6. Description of Occurrence: While reviewing monthly Technical Specifications surveillance procedure MI-2, it was found that the low steam generator pressure trip set point was less than the Technical Specifications limit of 500 psi as specified in Table 2.3.1, Item 6. The limit was exceeded by 6.2 psia (0.025 MV).
7. Designation of Apparent Cause of the Occurrence: The 15 V d-c power supply which provides trip unit isolation and d-c power failed causing the trip point to be lower than the previously set trip point.
8. Analysis of Occurrence: This type equipment failure is normal and expected due to nonpermanent nature of filter capacitors. The system was designed (2 of 4 logic) to allow for these type failures and is monitored on a frequent interval to detect such failures. Only one of the four channels was affected by this failure.
9. Corrective Action: Replaced the power supply with a spare module and readjusted the trip unit to proper set point.
10. Failure Data: This is the fourth failure of the forty-four 15 V power supplies in service at the Palisades Plant. Failures occurred on 1-19-70, 7-16-70, 2-27-72 and 5-6-74. The first two failures were returned to Windsor at Combustion Engineering request. No failure analysis was given. The third and fourth failures will be analyzed on site when time permits. Symptoms on the last two failures were dissimilar thus leading to the conclusion that the failures are not of a generic nature.

Manufacturers Identification: Dynage 700-262, Serial Number 6960