



**Consumers  
Power  
Company**

COPY

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

July 29, 1974

Directorate of Licensing  
US Atomic Energy Commission  
Washington, DC 20545

Re: Docket 50-255  
License DPR-20  
Palisades Plant

Gentlemen:

Attached hereto are copies of two (2) abnormal occurrence reports that occurred recently at the Palisades Plant.

Yours very truly,

Ralph B. Sewell (Signed)

RBS/mel

Ralph B. Sewell  
Nuclear Licensing Administrator

CC: JGKeppler, USAEC

8308230117 760412  
PDR ADOCK 05000255  
S PDR

ABNORMAL OCCURRENCE REPORT  
Palisades Plant

1. Report Number: AO-74-15, Docket 50-255.
2. a. Report Date: July 29, 1974  
b. Occurrence Date: July 17, 1974.
3. Facility: Palisades Plant.
4. Identification of Occurrence: Containment air cooler temperature control valve body, failure of.
5. Conditions Prior to Occurrence: Cold shutdown during steam generator repairs.
6. Description of Occurrence: Plant personnel discovered water dripping on the floor of the containment. Subsequent investigation revealed that service water was dripping on the floor from the valve body of one of four containment air cooler temperature control valves. The service water was shut off, the valve removed from the system, repaired and reinstalled.
7. Designation of Apparent Cause of Occurrence: The apparent cause was erosion of the valve body on the downstream side of the valve plug where the water exits through the valve seat. Defects in the casting in this area may have contributed to the erosion.
8. Analysis of Occurrence: Under the plant condition that this valve failed the water was leaking into the containment. However, if an accident had occurred and the valve body had failed as in this case, air or water from the containment could have entered the service water system and thus the lake. This would only happen if the containment pressure exceeded the service water pressure at this point in the system.
9. Corrective Action:
  - a. The valve body was removed and repaired.
  - b. A new valve body conforming to the original specifications was ordered and will be installed at the first convenient outage after its receipt.
  - c. The other three (3) identical valves will be inspected.
  - d. An inspection schedule will be set up on these four valves to coincide with the refueling outages.

- e. A spare valve that complies with ASME Section III is being procured. It will be stocked as a replacement valve if the inspection program indicates further degradation.
10. Failure Data: No previous similar failures.