

*Central files*



**Consumers  
Power  
Company**

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

July 12, 1977

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 - FOLLOW-UP TO IE  
INSPECTION REPORT 050-255/76-21

IE Inspection Report 050-255/76-21 identified an infraction concerning a deficiency in a safeguards refueling test in that actual measurement of DBA sequencer timing was not performed. Our response dated January 7, 1977 indicated this was an oversight. A point-by-point comparison was made between Technical Specification Chapter 4 and the Surveillance Program. This detailed review resulted in identification of required surveillance which previously had not been performed. The surveillance previously not performed is the refueling interval calibration of the Secondary Control Rod position out-of-sequence alarm. This surveillance is required by Technical Specification Table 4.1.3.3c which reads: "Physically measured rod drive position used to verify system accuracy. Check rod position interlocks including out-of-sequence alarm function." All parts of this surveillance are being routinely tested with the exception of "...including out-of-sequence alarm function."

The out-of-sequence alarm function under question was determined to be the Secondary Rod position indication system monitoring of the primary system control of rod withdrawal and insertion overlap. (See Technical Specification 3.10.5c.) That is, the Primary System controls the amount of overlay, the Secondary System monitors and alarms a Primary System malfunction. On April 29 while at 100% power, the insertion overlap alarm logic and associated hardware were tested by small insertions of the group target rods. The withdrawal overlap alarm required an outage on the Secondary System rod position indication. On May 19 during a scheduled outage, the withdrawal overlap alarm logic and associated hardware were tested by simulating an 0-5V DC input for the group target rods. All alarm functions performed properly.

*David P. Hoffman*

David P Hoffman  
Assistant Nuclear Licensing Administrator

*J*  
JUL 14 1977



**Consumers  
Power  
Company**

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

**COPY**

July 12, 1977



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 - FOLLOW-UP TO IE  
INSPECTION REPORT 050-255/76-21

IE Inspection Report 050-255/76-21 identified an infraction concerning a deficiency in a safeguards refueling test in that actual measurement of DBA sequencer timing was not performed. Our response dated January 7, 1977 indicated this was an oversight. A point-by-point comparison was made between Technical Specification Chapter 4 and the Surveillance Program. This detailed review resulted in identification of required surveillance which previously had not been performed. The surveillance previously not performed is the refueling interval calibration of the Secondary Control Rod position out-of-sequence alarm. This surveillance is required by Technical Specification Table 4.1.3.3c which reads: "Physically measured rod drive position used to verify system accuracy. Check rod position interlocks including out-of-sequence alarm function." All parts of this surveillance are being routinely tested with the exception of "...including out-of-sequence alarm function."

The out-of-sequence alarm function under question was determined to be the Secondary Rod position indication system monitoring of the primary system control of rod withdrawal and insertion overlap. (See Technical Specification 3.10.5c.) That is, the Primary System controls the amount of overlay, the Secondary System monitors and alarms a Primary System malfunction. On April 29 while at 100% power, the insertion overlap alarm logic and associated hardware were tested by small insertions of the group target rods. The withdrawal overlap alarm required an outage on the Secondary System rod position indication. On May 19 during a scheduled outage, the withdrawal overlap alarm logic and associated hardware were tested by simulating an 0-5V DC input for the group target rods. All alarm functions performed properly.

David P Hoffman (Signed)

David P Hoffman  
Assistant Nuclear Licensing Administrator

*B*

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 JUL 14 AM 9 19