



**Consumers  
Power  
Company**

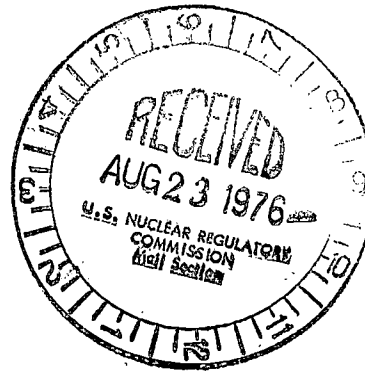


General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 Area Code 517 788-0550

August 18, 1976

## REGULATORY DOCKET FILE COPY

Director of Nuclear Reactor Regulation  
Att: Mr Albert Schwencer, Chief  
Operating Reactor Branch No 1  
US Nuclear Regulatory Commission  
Washington, DC 20555



DOCKET 50-255, LICENSE DPR-20 -  
PALISADES PLANT - BORON CONCENTRATION -  
LONG-TERM COOLING

In our letter of August 27, 1975, we indicated that we would advise you, on a bimonthly basis, of the status of our program to prevent unacceptable chemical concentrations during the long term after a Loss of Coolant Accident (LOCA). This program involves the qualification of equipment required to provide independent flow paths to the reactor vessel. This letter provides the sixth status report of this program and covers the period through August 14, 1976.

### Item 1. MOV-3015 and MOV-3016 - Primary Alignment

This item is considered complete as stated in the fourth status report (4-15-76).

### Item 2. PS-0103 - Primary Alignment

As stated in our fourth status report, the long-term cooling procedure includes provisions for bypassing the interlock between the pressure switch (PS-0103) and motor-operated valves (MOV-3015 and MOV-3016). A new qualified pressure transmitter is on site. Engineering of associated electronics and instruments is under way. Completion date of new transmitter installation is unknown at this time.

### Item 3. CV-2113 and CV-2115 - Alternate Alignment

It has been determined that new bonnets and bolting are needed to qualify these valves. These parts have been ordered. Viton diaphragms and O-rings must also be installed. Completion date unknown.

### Item 4. CV-2117 - Alternate Alignment

This item is considered complete as stated in the fourth status report (4-15-76).

Item 5. SV-2113, SV-2115 and SV-2117 - Alternate Alignment

No change in status since last report. Qualified replacement valves have been received. Installation of the new valves is being scheduled.

Item 6. Instrument Air System - Alternate Alignment

This item is considered complete as stated in the fourth status report (4-15-76). Updating of plant records and drawings, however, remains to be completed.

Item 7. CV-1057 and CV-1059 - Alternate Alignment

The diaphragm and seal housing assembly has been changed on these valves and we consider this equipment to meet the requirements for long-term cooling.

Item 8. E/P-1057 and E/P-1059 - Alternate Alignment

This item is considered complete as stated in the fourth status report (4-15-76). Documentation showing that this equipment meets radiation exposure requirements has not been received. We expect this documentation to be received by the end of 1976.

Item 9. Electrical Power and Control Cable Qualification - Primary and Alternate Alignments

No change in status since last report. All cables have been identified. All primary alignment cables are qualified to post-LOCA environmental conditions.

Item 10. Electrical Power Independence - Primary and Alternate Alignments

No change in status since last report. A study of cable separation requirements between the two alignments has determined that additional separation will be required. Engineering and design work are expected to take about six months and could not be completed during the past outage.

Item 11. Miscellaneous Procedures - Primary and Alternate Alignments

As stated previously, operating procedures for establishing long-term cooling have been completed.

Plant stock records, drawings, and maintenance procedure review will be completed following upgrading of the individual components.

Item 12. Miscellaneous - Check Valve 3174

As stated in the fourth status report, it was determined that this valve was not required. This valve has been removed and replaced with a pipe spool instead of removing the valve internals as stated in our last report. We consider this item completed,



David A. Bixel  
Assistant Nuclear Licensing Administrator

CC: JGKeppler, USNRC