

October 28, 1985

Docket No. 50-255
LS05-85-10-034

Mr. Kenneth W. Berry
Director, Nuclear Licensing
Consumers Power Company
1945 West Parnall Road
Jackson, Michigan 49201

Dear Mr. Berry:

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SUBJECT: DIESEL GENERATOR SURVEILLANCE FREQUENCY

Re: Palisades Plant

The Commission has issued the enclosed Amendment No. 92 to Provisional Operating License No. DPR-20 for the Palisades Plant. This amendment is in response to your application dated August 2, 1985.

This amendment revises the surveillance frequency specified for the diesel generators in Technical Specification 4.7.1(c) from 18 months to once per refueling cycle. This specification relates to the vendor recommended preventive maintenance and inspection of the diesel generators for this type of standby service.

A Notice of Consideration of Issuance of Amendment to License and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing related to the requested action was published in the Federal Register on August 14, 1985 (50 FR 32792). No comments or requests for hearing were received.

A copy of our related Safety Evaluation is enclosed. This action will appear in the Commission's biweekly notice publication in the Federal Register.

Sincerely,

Original signed by

John A. Zwolinski, Chief
Operating Reactors Branch #5
Division of Licensing

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PDR ADOCK 05000255
P PDR

Enclosures:

1. Amendment No. 92 to
License No. DPR-20
2. Safety Evaluation

cc w/enclosures:
See next page -

DL: ORB #5
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DCutcliffe
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

October 28, 1985

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Consumers Power Company
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See next page

Mr. Kenneth W. Berry
Consumers Power Company

Palisades Plant

cc:

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Palisades Plant
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c/o U.S. NRC
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Division of Radiological
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P.O. Box 30035
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

CONSUMERS POWER COMPANY

PALISADES PLANT

DOCKET NO. 50-255

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 92
License No. DPR-20

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Consumers Power Company (the licensee) dated August 2, 1985 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public; and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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PDR ADDCK 05000255
P PDR

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B. of Provisional Operating License No. DPR-20 is hereby amended to read as follows:

R. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 92, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John A. Zwolinski, Chief
Operating Reactors Branch #5
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 28, 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 92
PROVISIONAL OPERATING LICENSE NO. DPR-20
DOCKET NO. 50-255

Revise Appendix A Technical Specifications by removing the page identified below and inserting the enclosed page. The revised page is identified by the captioned amendment number and contains marginal lines indicating the area of change.

REMOVE

4-42

INSERT

4-42

4.7 EMERGENCY POWER SYSTEM PERIODIC TESTS

Applicability

Applies to periodic testing and surveillance requirements of the emergency power system.

Objective

To verify that the emergency power system will respond promptly and properly when required.

Specifications

4.7.1 Diesel Generators

- a. Each diesel generator shall be manually started each month and demonstrated to be ready for loading within 10 seconds. The signal initiated to start the diesel shall be varied from one test to another to verify that A and B starting circuits are operable. The generator shall be synchronized from the control room, and loaded to 2400 ± 100 kW.
- b. A test shall be conducted during each refueling outage to demonstrate the overall automatic operation of the emergency power system. The test shall be initiated by a simulated simultaneous loss of normal and standby power sources and a simulated SIS signal. Proper operations shall be verified by bus load shedding and automatic starting of selected motors and equipment to establish that restoration with emergency power has been accomplished within 30 seconds.
- c. Each diesel generator shall be subjected to an inspection, in accordance with procedures prepared in conjunction with the manufacturer's recommendations for this class of standby service, at least once per refueling cycle during plant shutdown. The licensee shall utilize his best efforts to conduct additional major diesel generator inspections and overhauls during shutdown periods.
- d. Diesel generator electric loads shall not be increased beyond the continuous rating of 2500 kW.
- e. The fuel transfer pumps shall be verified to be operable each month.

4.7.2 Station Batteries

- a. Every month, the voltage of each cell (to the nearest 0.01 volt), the specific gravity and the temperature of a pilot cell in each battery shall be measured and recorded.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 92 TO PROVISIONAL OPERATING LICENSE NO. DPR-20

CONSUMERS POWER COMPANY

PALISADES PLANT

DOCKET NO. 50-255

1.0 INTRODUCTION

By letter dated August 2, 1985, the Consumers Power Company (CPC) submitted a request for changes to the Palisades Plant Technical Specifications.

The proposed amendment would revise the surveillance frequency specified for the diesel generators in Technical Specification 4.7.1(c) from 18 months to once per refueling cycle. This specification relates to the vendor recommended preventive maintenance and inspection of the diesel generators for this type of standby service.

A Notice of Consideration of Issuance of Amendment to License and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing related to the requested action was published in the Federal Register on August 14, 1985 (50 FR 32792). No comments or requests for hearing were received.

2.0 EVALUATION

There are two diesel generators at Palisades that provide onsite power to safety-related equipment in the event of loss of offsite power. These diesel generators are required to be operable when the plant is operating except an allowance is made for inoperability of one diesel generator at a time for a total of 7 days in a month. The proposed specification would require vendor recommended maintenance and inspection that involves rendering the diesel generators inoperable for a period that exceeds the 7 days allowed. The intent of the specification is that this maintenance and inspection be performed when the plant is shut down. The specified frequency of 18 months was expected to span the operating cycles of the plant so that the inspection and maintenance could be done during refueling outages. An operating cycle is scheduled for 12 to 15 months depending upon the plant availability during the cycle. However, if a refueling outage is extended, as was the last Palisades refueling outage, or if there are unscheduled shutdowns during the operating cycle, the 18-month frequency may be exceeded.

When the licensee submitted this request, the required inspection and maintenance was due for diesel generator 1-2 on September 24, 1985 and for diesel generator 1-1 on November 1, 1985. By letter dated October 4, 1985 the licensee informed us that during August the plant tripped and the subsequent outage was of sufficient duration that the required maintenance and inspection was performed on diesel generator 1-2. The inspection showed no adverse conditions such that it is anticipated that diesel generator 1-1 would also be in good condition. The plant is scheduled to shut down on November 30, 1985 for a refueling outage. Therefore, in this case, the inspection and maintenance for diesel generator 1-1 would be delayed slightly over a month. In general, this would be typical of the time frame involved in changing the frequency from every 18 months to once per refueling cycle. In some cases, where no unscheduled shutdowns occur during an operating cycle, the time between surveillance would be less than 18 months.

The diesel generator vendor recommends that preventive maintenance inspections be performed on a basis which considers both acquired hours of engine service and time intervals between activities. The current vendor recommended surveillance schedule for the Palisades Plant diesel generators includes monthly, annual, 3 year, 6 year, and 12 year inspections. A change to a refueling cycle frequency from an 18-month frequency will not affect meeting the vendor recommendations. Monthly and annual inspections do not require plant shutdowns to remove the diesel generators from service. Thus the extension of this surveillance frequency will not significantly increase the probability of occurrence or consequences of an accident previously evaluated, as diesel generator reliability should not be substantially affected, if at all, by the proposed change. In addition the change in frequency has no effect on creating an accident or malfunction of a different type from that previously evaluated. And finally the margin of safety as defined in the Technical Specifications bases will not be reduced because vendor recommended surveillance schedules will be satisfied. We, therefore, find this change in specified surveillance frequency acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a surveillance requirement with respect to the use of facility components located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

5.0 ACKNOWLEDGEMENT

This Safety Evaluation has been prepared by Thomas V. Wambach.

Dated: October 28, 1985