

August 26, 1985

Docket No. 50-255
LS05-85-08-030

Mr. David J. Vandewalle
Director, Nuclear Licensing
Consumers Power Company
1945 West Parnall Road
Jackson, Michigan 49201

Dear Mr. Vandewalle:

SUBJECT: TECHNICAL SPECIFICATION CHANGE - CONTAINMENT PURGE AND VENTILATION SYSTEMS

Re: Palisades Plant

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The Commission has issued the enclosed Amendment No.90 to Provisional Operating License No. DPR-20 for the Palisades Plant. This amendment is in response to your application dated June 13, 1984.

This amendment approves Technical Specification changes which require containment purge and ventilation isolation valves to be electrically locked closed during Hot Shutdown, Hot Standby, or Power Operation conditions and adds testing and surveillance requirements for the valves.

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 22, 1984 (49 FR 33362). 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:

- Amendment No.90 to License No. DPR-20
- Safety Evaluation

cc w/enclosures:
See next page

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

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Sincerely,

A handwritten signature in black ink, appearing to read "John A. Zwolinski".

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

Enclosures:

1. Amendment No. 90 to License No. DPR-20
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. David J. Vandewalle
Consumers Power Company

Palisades Plant

cc:

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Palisades Plant
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27782 Blue Star Memorial Hwy.
Covert, Michigan 49043



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. 90
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 June 13, 1984 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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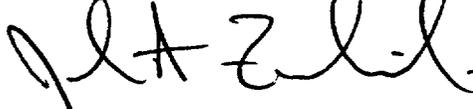
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B. of Provisional Operating License No. DPR-20 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 90, 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: August 26, 1985

ATTACHMENT TO LICENSE AMENDMENT NO.90

PROVISIONAL OPERATING LICENSE NO. DPR-20

DOCKET NO. 50-255

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

REMOVE
3-40a
4-15b

INSERT
3-40a
4-15b

3.6.4 Two independent containment hydrogen recombiners shall be operable when the reactor is at power or at hot standby. With one hydrogen recombiner system inoperable, restore the inoperable system to operable status within 30 days or be in at least hot shutdown within the next 12 hours.

3.6.5 Containment Purge and Ventilation Systems

- a. The containment purge exhaust isolation valves CV 1804, CV 1805, CV 1806, CV 1807 and CV 1808 and air room supply isolation valves CV 1813 and CV 1814 shall be electrically locked closed whenever the reactor is in a HOT SHUTDOWN, HOT STANDBY, or POWER OPERATION condition.
- b. With one containment purge exhaust isolation valve or one air room supply isolation valve open, close the open valve within 1 hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

BASIS

The containment purge and ventilation isolation valves are required to be closed during normal plant operations, conditions other than COLD SHUTDOWN, until it can be demonstrated that the valves meet the requirements of Standard Review Plan 6.2.4 and Branch Technical Position CSB 6-4. To ensure that the valves are closed and that the seals have not degraded, a between the valves leak rate test will be performed. Maintaining these valves closed during plant operations ensures that excessive quantities of radioactive materials will not be released via the containment purge or ventilation systems.

Table 4.2.2 (Contd)

Minimum Frequencies for Equipment Tests

12. Iodine Removal System

The Iodine Removal System shall be demonstrated operable:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) in the flow path that is not locked, sealed or otherwise secured in position, is in its correct position.
- b. At least once per 6 months by:
 1. Verifying that tanks T-102 and T-103 contain the minimum required volumes.
 2. Verifying the concentration of hydrazine in T-102 and sodium hydroxide in T-103.
- c. At least once per refueling cycle, during shutdown, by verifying that each automatic valve in the flow path actuates to its correct position.

13. Containment Purge and Ventilation Isolation Valves

The Containment Purge and Ventilation Isolation Valves shall be determined closed:

- a. At least once per 24 hours by checking the valve position indicator in the control room
- b. At least once every 6 months by performing a leak rate test between the valves.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 90 TO PROVISIONAL OPERATING LICENSE NO. DPR-20
CONSUMERS POWER COMPANY
PALISADES PLANT
DOCKET NO. 50-255

1.0 INTRODUCTION

By letter dated June 13, 1984, the Consumers Power Company (CPC) submitted a request for changes to the Palisades Plant Technical Specifications.

The amendment would require the containment purge and ventilation isolation valves to be electrically locked closed during Hot Shutdown, Hot Standby and Power Operation conditions, and adds testing and surveillance requirements for the valves. During a telephone conversation with the licensee regarding the specific identification of the valves, the licensee corrected the terminology used for identifying the valves. The staff made the appropriate corrections which did not change the valves and was an editorial change only.

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 22, 1984 (49 FR 33362). No comments or requests for hearing were received.

2.0 EVALUATION

The NRC staff has under review the generic concerns of purging and venting of reactor containments (Multiplant Action Item No. B-24). By letter dated June 13, 1984, the licensee proposed to electrically lock in the close position during Hot Shutdown, Hot Standby and Power Operation conditions the containment purge and ventilation isolation valves to preclude the release of radioactivity to the environs via the containment purge and ventilation system should a loss of coolant accident (LOCA) occur.

The licensee's June 13, 1984 letter proposed to change the Technical Specification to require that containment purge exhaust isolation valves CV 1804, CV 1805, CV 1806, CV 1807 and CV 1808 and air room supply isolation valves CV 1813 and CV 1814 of the containment purge and ventilation lines, respectively, be electrically locked in the closed position during Hot Shutdown, Hot Standby and Power Operation conditions to assure that the containment purge and ventilation lines maintain containment isolation. The licensee also proposed to change the Technical Specification Table 4.2.2 to require

checking the position of the valves' indicating lights in the control room once per 24 hours, and at least once every 6 months perform a leak rate test between each of the isolation valves to check their leak tightness and stem seals. The NRC staff finds that electrically locking the valves in the closed position during Hot Shutdown, Hot Standby and Power Operation conditions will preclude release of radioactivity to the environs through the containment purge and ventilation lines in the event of a LOCA. The NRC staff also finds that checking the valves' positions once per 24 hours is adequate to determine the valves are in the closed position and that performing a leak rate test once every 6 months is adequate to assure the integrity of the valves.

The staff, therefore, concludes that the proposed Technical Specification change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20 and changes to the surveillance requirements. 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 John Stang.

Dated: August 26, 1985