

March 27, 1997

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555**DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT**
FACILITY OPERATING LICENSE AND TECHNICAL SPECIFICATIONS CHANGE:
COMPANY NAME CHANGE

The shareholders of Consumers Power Company approved the name change from "Consumers Power Company" to "Consumers Energy Company". This change was effective on March 11, 1997. Attached for your review and approval is a Facility Operating License and Technical Specifications change request reflecting a change in the name of the company which owns, and holds the Facility Operating License for, the Palisades Plant.

The discussion of the change and the analysis of no significant hazards consideration is included within the Enclosure.

SUMMARY OF COMMITMENTS

This letter contains no new commitments and no revisions to existing commitments.

Thomas C. Bordine
Manager, LicensingCC Administrator, Region III, USNRC
Project Manager, NRR, USNRC
NRC Resident Inspector - Palisades

Enclosure

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CONSUMERS ENERGY COMPANY

To the best of my knowledge, the contents of this Technical Specifications Change Request, which changes the name of the company is truthful and complete.



Thomas C. Bordine
Manager, Licensing

Sworn and subscribed to before me this 27th day of March, 1997.



Alora M. Davis, Notary Public
Berrien County, Michigan
(Acting in Van Buren County, Michigan)
My commission expires August 26, 1999

SEAL

ENCLOSURE

**CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255**

**FACILITY OPERATING LICENSE AND
TECHNICAL SPECIFICATIONS CHANGE REQUEST
CHANGE IN COMPANY NAME**

**Consumers Energy Company
Docket 50-255
Request for Name Change in License and Technical Specifications
License DPR-20**

ENCLOSURE

I. DESCRIPTION OF PROPOSED CHANGES:

It is proposed that the Facility Operating License DPR-20 for the Palisades Plant be amended to reflect the change in the legal name of the Licensee from "Consumers Power Company" to "Consumers Energy Company".

References to Consumers Power Company or to CPCo in Parts 1 and 2.D of the Facility Operating License, which are written in past tense, have been marked with an asterisk. A footnote, associated with the asterisk, informs the reader that "On March 11, 1997, the name 'Consumers Power Company' was changed to 'Consumers Energy Company'." Past tense references to "Consumers Power Company" or to "CPCo" contained in the Technical Specifications of Appendix A to the License remain unchanged.

Other references to Consumers Power Company or to CPCo in the Facility Operating License, including the Technical Specifications in Appendix A to the License, have been changed to the new company name "Consumers Energy Company".

Attachment 1 to this change request contains the proposed Facility Operating License pages.

Attachment 2 contains the existing Facility Operating License pages marked to show the proposed changes.

Attachment 3 to this change request contains the proposed Technical Specifications pages.

Attachment 4 contains the existing Technical Specifications pages marked to show the proposed changes.

II. DISCUSSION OF PROPOSED CHANGES:

The proposed changes are administrative and involve only a name change; the corporate existence continues uninterrupted, and all legal characteristics remain the same. Thus, there is no change in the ownership, state of incorporation, registered agent, registered office, directors, officers, rights or liabilities of the

Company, nor is there a change in the function of the Company or the way in which it does business. The Company's financial responsibility for the Palisades Plant and its sources of funds to support the facility will remain the same. Further, this name change does not impact the Company's ability to comply with any of its obligations or responsibilities under the license. The change of the company name from "Consumers Power Company" to "Consumers Energy Company" is an administrative change. It does not require a technical, financial qualification, or an antitrust review. Therefore, this change does not reduce the level of safety imposed by the current Facility Operating License or Technical Specifications.

III. ANALYSIS OF NO SIGNIFICANT HAZARDS CONSIDERATION:

The Company finds that this proposed Technical Specifications change involves no significant hazards and, accordingly, that a no significant hazards determination per 10 CFR 50.92(c) is justified.

A. Do the proposed changes involve a significant increase in the probability or consequences of an accident previously evaluated?

Since the proposed changes do not alter the technical content of any Facility Operating License or Technical Specifications requirements, they do not alter any feature of plant equipment, settings, operation, or configuration.

Therefore, they cannot involve a significant increase in the probability of an accident previously evaluated.

The proposed changes alter the company name in the Facility Operating License and Technical Specifications to reflect the change from "Consumers Power Company" to "Consumers Energy Company". The proposed change will not affect any obligations. The company will continue to own all of the same assets, will continue to serve the same customers, and will continue to honor all existing obligations and commitments. The proposed changes will not alter plant operation or configuration, or its ability to respond to accidents.

Therefore, they will not involve a significant increase in the consequences of any accident previously evaluated.

B. Do the proposed changes create the possibility of a new or different kind of accident from any previously evaluated?

Since the proposed changes do not alter the technical content of any Facility Operating License or Technical Specifications requirements, they do not alter any feature of plant equipment, settings, operation, or configuration.

Therefore, they cannot create the possibility of a new or different kind of accident from any previously evaluated.

C. Do the proposed changes involve a significant reduction in a margin of safety?

Since the proposed changes do not alter the technical content of any Facility Operating License or Technical Specifications requirements, they do not alter any feature of plant equipment, settings, operation, or configuration.

Therefore, they cannot involve a significant reduction in a margin of safety.

IV. CONCLUSION:

The Palisades Plant Review Committee has reviewed this Technical Specifications Change Request and has determined that proposing this change does not involve an unreviewed safety question. Further, the change involves no significant hazards consideration. This change has been reviewed by the Nuclear Performance Assessment Department.

ATTACHMENT 1

**CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255**

**FACILITY OPERATING LICENSE AND
TECHNICAL SPECIFICATIONS CHANGE REQUEST
CHANGE IN COMPANY NAME**

Proposed Facility Operating License Pages

5 Pages

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555 - 0001

Consumers Energy Company

DOCKET NO. 50-255

PALISADES PLANT

FACILITY OPERATING LICENSE

License No. DPR-20

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for a license filed by Consumers Power Company (CPCo)* complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Palisades Plant (the facility) has been completed in conformity with Provisional Construction Permit No. CPPR-25 and the application, as amended, the provisions of the Act, and the regulations of the Commission, and has been operating under a provisional operating license since March 24, 1971;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission (except as exempted from compliance in Section 2.D. below);
 - D. There is reasonable assurance that the activities authorized by this Facility Operating License can be conducted without endangering the health and safety of the public;
 - E. CPCo* is technically qualified to engage in the activities authorized by this license, as amended, in accordance with 10 CFR Chapter I;
 - F. CPCo* has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements";
 - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
 - H. The issuance of this license is in accordance with 10 CFR Part 51 and all applicable requirements have been satisfied; and
 - I. The receipt, possession, and use of source, byproduct, and special nuclear material as authorized by this license will be in accordance with 10 CFR Parts 30, 40, and 70.

* On March 11, 1997, the name "Consumers Power Company" was changed to "Consumers Energy Company".

Amendment No.

2. Provisional Operating License No. DPR-20, dated March 24, 1971 as amended, is superseded in its entirety by Facility Operating License No. DPR-20 hereby issued to Consumers Energy Company to read as follows:

A. This license applies to the Palisades Plant, a pressurized light water moderated and cooled reactor and electrical generating equipment (the facility). The facility is located in Van Buren County, Michigan, and is described in Consumers Energy Company's Updated Final Safety Analysis Report, as supplemented and amended, and in Consumers Energy Company's Environmental Report, as supplemented and amended.

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

- (1) Consumers Energy Company, pursuant to Section 104b of the Atomic Energy Act of 1954, as amended, and 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," to possess, use, and operate the facility in accordance with the limitations set forth in this license;
- (2) Consumers Energy Company, pursuant to the Act and 10 CFR Parts 40 and 70, to receive, possess, and use source and special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Updated Final Safety Analysis Report, as supplemented and amended;
- (3) Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use byproduct, source, and special nuclear material as sealed sources for reactor startup, reactor instrumentation, radiation monitoring equipment calibration, and fission detectors in amounts as required;
- (4) Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use in amounts as required any byproduct, source, or special nuclear material for sample analysis or instrument calibration, or associated with radioactive apparatus or components; and
- (5) Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operations of the facility.

C. This license shall be deemed to contain and is subject to all applicable provisions of the Act; to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

- (1) Consumers Energy Company is authorized to operate the facility at steady-state reactor core power levels not in excess of 2530 Megawatts thermal (100 percent rated power) in accordance with the conditions specified herein.
- (2) The Technical Specifications contained in Appendix A, as revised through Amendment No. and the Environmental Protection Plan contained in Appendix B are hereby incorporated in the license. Consumers Energy Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.
- (3) Consumers Energy Company shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report for the facility and as approved in the SERs dated 09/01/78, 03/19/80, 02/10/81, 05/26/83, 07/12/85, 01/29/86, 12/03/87, and 05/19/89 and subject to the following provisions:
 - a. Consumers Energy Company may make changes to the approved fire protection program without prior approval of the Commission only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.
 - b. Consumers Energy Company may alter specific features of the approved fire protection program provided:
 - Such changes do not result in failure to complete the fire protection program as approved by the Commission. Consumers Energy Company shall maintain in auditable form, a current record of all such changes, including an analysis of the effects of the change on the fire protection program and shall make such records available to the Commission Inspectors upon request. All changes to the approved program shall be reported annually, along with the FSAR revision; and
 - Temporary changes to specific fire protection features which may be necessary to accomplish maintenance or modifications are acceptable provided interim compensatory measures are implemented.

- D. The facility has been granted certain exemptions from the requirements of Section III.G of Appendix R to 10 CFR Part 50, "Fire Protection Program for Nuclear Power Facilities Operating Prior to January 1, 1979." This section relates to fire protection features for ensuring the systems and associated circuits used to achieve and maintain safe shutdown are free of fire damage. These exemptions were granted and sent to CPCo* in letters dated February 8, 1983, July 12, 1985, and July 23, 1985.

In addition, the facility has been granted certain exemptions from Appendix J to 10 CFR Part 50, "Primary Reactor Containment Leakage Testing for Water Cooled Power Reactors." This section contains leakage test requirements, schedules and acceptance criteria for tests of the leak-tight integrity of the primary reactor containment and systems and components which penetrate the containment. These exemptions were granted and sent to CPCo* in a letter dated December 6, 1989.

These exemptions granted pursuant to 10 CFR 50.12, are authorized by law, will not present an undue risk to the public health and safety, and are consistent with the common defense and security. With these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

- E. Consumers Energy Company shall fully implement and maintain in effect all provisions of the Commission-approved "Palisades Plant Physical Security Plan," "Palisades Plant Suitability Training and Qualification Plan," and "Palisades Plant Safeguards Contingency Plan," and all approved amendments. Consumers Energy Company may make changes to these plans without prior Commission approval, if the changes do not decrease the safeguards effectiveness of the plans, in accordance with 10 CFR 50.54(p)(2).
- F. Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, the licensee shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within 24 hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 50.73(b), (c), and (e).

* On March 11, 1997, the name "Consumers Power Company" was changed to "Consumers Energy Company".

- G. Consumers Energy Company shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- H. This license is effective as of the date of issuance and shall expire at midnight on March 14, 2007.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By: Thomas E. Murley

Thomas E. Murley, Director
Office of Nuclear Reactor Regulation

Attachments:

- 1. Appendix A - Technical Specifications
- 2. Appendix B - Environmental Protection Plan

Date of Issuance: February 21, 1991

ATTACHMENT 2

**CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255**

**FACILITY OPERATING LICENSE AND
TECHNICAL SPECIFICATIONS CHANGE REQUEST
CHANGE IN COMPANY NAME**

**Existing Facility Operating License Pages
Marked to Show Proposed Changes**

4 Pages

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555 - 0001

~~CONSUMERS POWER COMPANY~~ ~~Consumers Energy Company~~
DOCKET NO. 50-255
PALISADES PLANT

FACILITY OPERATING LICENSE

License No. DPR-20

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for a license filed by Consumers Power Company (CPCo)* complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Palisades Plant (the facility) has been completed in conformity with Provisional Construction Permit No. CPPR-25 and the application, as amended, the provisions of the Act, and the regulations of the Commission, and has been operating under a provisional operating license since March 24, 1971;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission (except as exempted from compliance in Section 2.D. below);
 - D. There is reasonable assurance that the activities authorized by this Facility Operating License can be conducted without endangering the health and safety of the public;
 - E. CPCo* is technically qualified to engage in the activities authorized by this license, as amended, in accordance with 10 CFR Chapter I;
 - F. CPCo* has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements";
 - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
 - H. The issuance of this license is in accordance with 10 CFR Part 51 and all applicable requirements have been satisfied; and
 - I. The receipt, possession, and use of source, byproduct, and special nuclear material as authorized by this license will be in accordance with 10 CFR Parts 30, 40, and 70.
2. Provisional Operating License No. DPR-20, dated March 24, 1971 as amended, is superseded in its entirety by Facility Operating License No. DPR-20 hereby issued to ~~Consumers Power Company (CPCo)~~ ~~Consumers Energy Company~~ to read as follows:

* On March 11, 1997 the name "Consumers Power Company" was changed to "Consumers Energy Company".

Amendment No.

- A. This license applies to the Palisades Plant, a pressurized light water moderated and cooled reactor and electrical generating equipment (the facility). The facility is located in Van Buren County, Michigan, and is described in EPCo's Consumers Energy Company's Updated Final Safety Analysis Report, as supplemented and amended, and in EPCo's Consumers Energy Company's Environmental Report, as supplemented and amended.
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
- (1) EPCo Consumers Energy Company, pursuant to Section 104b of the Atomic Energy Act of 1954, as amended, and 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," to possess, use, and operate the facility in accordance with the limitations set forth in this license;
 - (2) EPCo Consumers Energy Company, pursuant to the Act and 10 CFR Parts 40 and 70, to receive, possess, and use source and special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Updated Final Safety Analysis Report, as supplemented and amended;
 - (3) EPCo Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use byproduct, source, and special nuclear material as sealed sources for reactor startup, reactor instrumentation, radiation monitoring equipment calibration, and fission detectors in amounts as required;
 - (4) EPCo Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use in amounts as required any byproduct, source, or special nuclear material for sample analysis or instrument calibration, or associated with radioactive apparatus or components; and
 - (5) EPCo Consumers Energy Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operations of the facility.
- C. This license shall be deemed to contain and is subject to all applicable provisions of the Act; to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:
- (1) EPCo Consumers Energy Company is authorized to operate the facility at steady-state reactor core power levels not in excess of 2530 Megawatts thermal (100 percent rated power) in accordance with the conditions specified herein.
 - (2) The Technical Specifications contained in Appendix A, as revised through Amendment No. 175, and the Environmental Protection Plan contained in Appendix B are hereby incorporated in the license. EPCo Consumers Energy Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) ~~GPCo Consumers Energy Company~~ shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report for the facility and as approved in the SERs dated 09/01/78, 03/19/80, 02/10/81, 05/26/83, 07/12/85, 01/29/86, 12/03/87, and 05/19/89 and subject to the following provisions:

- a. ~~GPCo Consumers Energy Company~~ may make changes to the approved fire protection program without prior approval of the Commission only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.
- b. ~~GPCo Consumers Energy Company~~ may alter specific features of the approved fire protection program provided:
 - Such changes do not result in failure to complete the fire protection program as approved by the Commission. ~~GPCo Consumers Energy Company~~ shall maintain in auditable form, a current record of all such changes, including an analysis of the effects of the change on the fire protection program and shall make such records available to the Commission Inspectors upon request. All changes to the approved program shall be reported annually, along with the FSAR revision; and
 - Temporary changes to specific fire protection features which may be necessary to accomplish maintenance or modifications are acceptable provided interim compensatory measures are implemented.

D. The facility has been granted certain exemptions from the requirements of Section III.G of Appendix R to 10 CFR Part 50, "Fire Protection Program for Nuclear Power Facilities Operating Prior to January 1, 1979." This section relates to fire protection features for ensuring the systems and associated circuits used to achieve and maintain safe shutdown are free of fire damage. These exemptions were granted and sent to ~~CPCo~~* in letters dated February 8, 1983, July 12, 1985, and July 23, 1985.

In addition, the facility has been granted certain exemptions from Appendix J to 10 CFR Part 50, "Primary Reactor Containment Leakage Testing for Water Cooled Power Reactors." This section contains leakage test requirements, schedules and acceptance criteria for tests of the leak-tight integrity of the primary reactor containment and systems and components which penetrate the containment. These exemptions were granted and sent to ~~CPCo~~* in a letter dated December 6, 1989.

These exemptions granted pursuant to 10 CFR 50.12, are authorized by law, will not present an undue risk to the public health and safety, and are consistent with the common defense and security. With these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

* On March 11, 1997 the name "~~Consumers Power Company~~" was changed to "~~Consumers Energy Company~~".

- E. ~~EPCo Consumers Energy Company~~ shall fully implement and maintain in effect all provisions of the Commission-approved "Palisades Plant Physical Security Plan," "Palisades Plant Suitability Training and Qualification Plan," and "Palisades Plant Safeguards Contingency Plan," and all approved amendments. ~~EPCo Consumers Energy Company~~ may make changes to these plans without prior Commission approval, if the changes do not decrease the safeguards effectiveness of the plans, in accordance with 10 CFR 50.54(p)(2).
- F. Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, the licensee shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within 24 hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 50.73(b), (c), and (e).
- G. ~~EPCo Consumers Energy Company~~ shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- H. This license is effective as of the date of issuance and shall expire at midnight on March 14, 2007.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By: Thomas E. Murley

Thomas E. Murley, Director
Office of Nuclear Reactor Regulation

Attachments:

1. Appendix A - Technical Specifications
2. Appendix B - Environmental Protection Plan

Date of Issuance: February 21, 1991

ATTACHMENT 3

**CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255**

**FACILITY OPERATING LICENSE AND
TECHNICAL SPECIFICATIONS CHANGE REQUEST
CHANGE IN COMPANY NAME**

Proposed Technical Specifications Pages 5-1 and 6-30

5.0 DESIGN FEATURES

5.1 SITE

The Palisades reactor shall be located on 437 acres owned by Consumers Energy Company on the eastern shore of Lake Michigan approximately four and one-half miles south of the southern city limits of South Haven, Michigan. Figure 5-1 shows the plan of the site. The minimum distance to the boundary of the exclusion area as defined in 10 CFR 100.3 shall be 677 meters.

5.2 CONTAINMENT DESIGN FEATURES

5.2.1 Containment Structure

- a. The containment structure completely encloses the primary coolant system to minimize release of radioactive material to the environment should a failure of the primary coolant system occur. The prestressed, post-tensioned concrete structure provides adequate biological shielding for both normal operation and accident situations and is designed for low leakage at a design pressure of 55 psig and 283°F.

The principal design basis for the structure is that it be capable of withstanding the internal pressure resulting from a design basis loss-of-coolant accident. In this event, the total energy contained in the water of the primary coolant system is assumed to be released into the containment through a double-ended break of the largest primary coolant pipe coincident with a loss of normal and standby electrical power. Subsequent pressure behavior is determined by the engineered safety features and the combined influence of energy sources and heat sinks.

- b. The external design pressure of the containment shell is 3 psig. This value is approximately 0.5 psig greater than the maximum external pressure that could be developed if the containment were sealed during a period of low barometric pressure and high temperature and, subsequently, the containment atmosphere were cooled with a concurrent major rise in barometric pressure. Vacuum breakers are therefore not provided.
- c. The containment is designed as a seismic Class I structure.

6.8.2.6 RECORDS

Records of NPAD activities shall be maintained. Reports shall be prepared and distributed as indicated below:

- a. The results of reviews, performed pursuant to Section 6.8.2.4.1 and Section 6.8.2.4.2, shall be reported to the Vice President - NOD at least monthly.
- b. A report assessing the overall nuclear safety performance of Palisades shall be provided to senior Consumers Energy Company management annually.

6.8.3 PLANT SAFETY AND LICENSING

6.8.3.1 FUNCTION

The Plant Safety and Licensing staff shall review proposed changes in design or operation and such other matters as the PRC may assign to identify issues significant to nuclear safety and recommend nuclear safety improvements.

6.8.3.2 COMPOSITION

The Plant Safety and Licensing staff responsible for the review function shall be an experienced technical staff meeting the qualifications of Section 6.3.

6.8.3.3 RESPONSIBILITIES

The Plant Safety and Licensing staff may provide nuclear safety review as delegated by PRC for:

- a. Procedures, programs and changes thereto identified in Specifications 6.4 and 6.5 and any additional procedures and changes thereto identified by the Plant General Manager as significant to nuclear safety.
- b. All proposed tests or experiments.
- c. All proposed changes or modifications to plant systems or equipment.
- d. The Site Emergency Plan.

ATTACHMENT 4

**CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255**

**FACILITY OPERATING LICENSE AND
TECHNICAL SPECIFICATIONS CHANGE REQUEST
CHANGE IN COMPANY NAME**

**Existing Technical Specifications Pages 5-1 and 6-30
Marked to Show Proposed Change**

2 Pages

5.0 DESIGN FEATURES

5.1 SITE

The Palisades reactor shall be located on 487 acres owned by ~~Consumers Power Company~~ ~~Consumers Energy Company~~ on the eastern shore of Lake Michigan approximately four and one-half miles south of the southern city limits of South Haven, Michigan. Figure 5-1 shows the plan of the site. The minimum distance to the boundary of the exclusion area as defined in 10 CFR 100.3 shall be 677 meters.

5.2 CONTAINMENT DESIGN FEATURES

5.2.1 Containment Structure

- a. The containment structure completely encloses the primary coolant system to minimize release of radioactive material to the environment should a failure of the primary coolant system occur. The prestressed, post-tensioned concrete structure provides adequate biological shielding for both normal operation and accident situations and is designed for low leakage at a design pressure of 55 psig and 283°F.

The principal design basis for the structure is that it be capable of withstanding the internal pressure resulting from a design basis loss-of-coolant accident. In this event, the total energy contained in the water of the primary coolant system is assumed to be released into the containment through a double-ended break of the largest primary coolant pipe coincident with a loss of normal and standby electrical power. Subsequent pressure behavior is determined by the engineered safety features and the combined influence of energy sources and heat sinks.

- b. The external design pressure of the containment shell is 3 psig. This value is approximately 0.5 psig greater than the maximum external pressure that could be developed if the containment were sealed during a period of low barometric pressure and high temperature and, subsequently, the containment atmosphere were cooled with a concurrent major rise in barometric pressure. Vacuum breakers are therefore not provided.
- c. The containment is designed as a seismic Class I structure.

6.8.2.6 RECORDS

Records of NPAD activities shall be maintained. Reports shall be prepared and distributed as indicated below:

- a. The results of reviews, performed pursuant to Section 6.8.2.4.1 and Section 6.8.2.4.2, shall be reported to the Vice President - NOD at least monthly.
- b. A report assessing the overall nuclear safety performance of Palisades shall be provided to senior ~~Consumers Power Company~~ Consumers Energy Company management annually.

6.8.3 PLANT SAFETY AND LICENSING

6.8.3.1 FUNCTION

The Plant Safety and Licensing staff shall review proposed changes in design or operation and such other matters as the PRC may assign to identify issues significant to nuclear safety and recommend nuclear safety improvements.

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The Plant Safety and Licensing staff responsible for the review function shall be an experienced technical staff meeting the qualifications of Section 6.3.

6.8.3.3 RESPONSIBILITIES

The Plant Safety and Licensing staff may provide nuclear safety review as delegated by PRC for:

- a. Procedures, programs and changes thereto identified in Specifications 6.4 and 6.5 and any additional procedures and changes thereto identified by the Plant General Manager as significant to nuclear safety.
- b. All proposed tests or experiments.
- c. All proposed changes or modifications to plant systems or equipment.
- d. The Site Emergency Plan.