

Douglas E. Cooper
Plant General Manager
Palisades Nuclear Plant

April 27, 2001

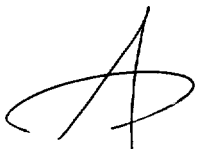
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT
2000 ANNUAL NON-RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

Attached is the Palisades Plant Annual Non-Radiological Environmental Operating Report for 2000. This report was prepared in accordance with Section 5.4.1 of Appendix B, "Environmental Protection Plan (Non-Radiological)", of the Palisades Plant Facility Operating License, DPR-20. The attached report describes the implementation of the Environmental Protection Plan during the previous year. The period covered by the attached report is January 1, 2000 through December 31, 2000.

SUMMARY OF COMMITMENTS

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



Douglas E. Cooper
Plant General Manager

CC Administrator, Region III, USNRC
Project Manager, NRR, USNRC
NRC Resident Inspector - Palisades

Attachment

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ATTACHMENT

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

**PALISADES NUCLEAR PLANT
2000 ANNUAL NON-RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT**

5 Pages

**PALISADES NUCLEAR PLANT
2000 ANNUAL NON-RADIOLOGICAL
ENVIRONMENTAL OPERATING REPORT**

1.0 BACKGROUND

Appendix B of the Facility Operating License, DPR-20, for the Palisades Nuclear Plant, Consumers Energy Company, is entitled, "Environmental Protection Plan (Non-Radiological)." This document requires Consumers Energy Company to submit to the United States Nuclear Regulatory Commission, an annual environmental operating report by the first of May each year. This report describes the implementation of the Environmental Protection Plan during the previous year. The period covered by this report is January 1, 2000 through December 31, 2000.

The Palisades Plant operated for 7673.4 hours during 2000, which produced a net total of 5,748,023 MWH. This represents 89.6 % of the net demonstrated capacity for 2000.

2.0 ENVIRONMENTAL IMPACT EVALUATIONS

Several revisions to procedures, and modifications to the facility, were evaluated per Palisades Administrative Procedure 4.22, "NON-RADIOLOGICAL ENVIRONMENTAL PROGRAM" during 2000. Ten procedures or modifications to the facility were reviewed by the Consumers Energy Company Environmental and Technical Services Department for determination of impact on the environment. Two projects required approval from government agencies:

- The plant vehicle barrier system was modified to add nine additional steel piles to the vehicle barrier to compensate for low lake levels. The project is permitted to add a total of twelve steel piles, if necessary. This project was permitted by permit number 99-12-0673-P under a minor revision to permit number 99-12-0673 by the Michigan Department of Environmental Quality (MDEQ), Part 325, Great Lakes Submerged Lands, under the provisions of the Natural Resources and Environmental Protection Act, 1994 Public Act 451, and permit number 80-200-001-3 by the United States Corps of Engineers under the authority of Section 10 of the 1899 Rivers and Harbors Act and section 404 of the 1977 Clean Water Act.
- Structural repairs to the plant's intake crib structure were also completed during the third quarter of 2000. This work was permitted by MDEQ, Part 325, Great Lakes Submerged Lands of the Natural Resources and Environmental Protection Act 451, PA 1994, permit number 00-80-0021-P.

There were no changes, tests, or experiments that involved an unreviewed environmental question, nor did they involve a change to the Environmental Protection Plan.

3.0 ADDITIONAL ACTIVITIES AUTHORIZED UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

During the third quarter of 2000, approval from the MDEQ was obtained to use the BetzDearborn product, Inhibitor AZ8100(TTA). This bacteriological inhibitor will be used in plant closed loop cooling systems and is permitted to be discharged via the plant radwaste system.

The Ground Water Remediation System was not operated during 2000. The system closure was granted by MDEQ during the year 2000, and the wells and associated equipment are out of service and tentatively scheduled to be removed during 2001.

4.0 UNUSUAL ENVIRONMENTAL EVENTS

No unusual environmental events occurred throughout 2000 per requirements in Facility Operating License DPR-20, Appendix B, part 4.1.

5.0 ENVIRONMENTAL MONITORING

Documentation of the effects of the cooling tower operation on meteorological variables was required for two years following the conversion from the once through cooling system to the cooling towers. The cooling towers have been in operation for 26 years, and during 2000, meteorological monitoring and other activities related to the cooling towers did not occur.

Herbicides were not applied to the transmission line or exit corridor during the year 2000, but other areas on the Palisades property were treated for vegetative management during 2000 by Rose Exterminators Company. The application of herbicides is documented on Attachment A.

6.0 NON-ROUTINE REPORTS

During 2000, no reports entitled "Non-Routine Reports" were generated.

ENCLOSURE A

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

**PALISADES NUCLEAR PLANT
2000 ANNUAL
NON-RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT
HERBICIDE TREATMENTS**

Attachment A

HERBICIDE TREATMENTS

Company: Rose Exterminator Company

Date of Treatment : April 1, 2000

Commercial Name: Dupont

Chemical Name: Karmex DF/OUST

Concentration of Active Ingredient in Field Use Mix: 4 lbs/acre

Diluting Substance: Water

Rate of Application: 4lbs/acre, accomplished by pressure of 30 psi

Total Amount of Product Used: 400 - 500 Gallons

Method of Application: Power hand held sprayer

Frequency of Application: One application per growing season

Location: Along and near roadways, fence lines, walkways, parking lots, containment area, substations, and cooling towers

Purpose of Treatment: Vegetative control of weed species