



Consumers  
Power

**POWERING  
MICHIGAN'S PROGRESS**

Palisades Nuclear Plant: 27760 Blue Star Memorial Highway, Covert, MI 49043

Kurt M. Haas

Plant Safety and Licensing Director

April 27, 1995

Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT - 1994 ANNUAL ENVIRONMENTAL  
OPERATING REPORT (NON-RADIOLOGICAL)

Pursuant to Appendix B (Environmental Protection Plan) of the Facility  
Operating License, the 1994 Annual Environmental Operating Report is contained  
in Attachment 1.

SUMMARY OF COMMITMENTS

This letter contains no new commitments.

Kurt M Haas  
Plant Safety and Licensing Director

CC Administrator, Region III, USNRC  
NRC Resident Inspector - Palisades

Attachment

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ATTACHMENT 1

Consumers Power Company  
Palisades Plant  
Docket 50-255

1994 ANNUAL ENVIRONMENTAL OPERATING REPORT  
(NON-RADIOLOGICAL)

2 Pages

PALISADES NUCLEAR PLANT  
1994 ANNUAL NON-RADIOLOGICAL  
ENVIRONMENTAL OPERATING REPORT

**1.0 BACKGROUND**

Appendix B of the Facility Operating License, DPR-20, for the Palisades Nuclear Plant, Consumers Power Company, is entitled, "Environmental Protection Plan (Non Radiological)". This document requires Consumers Power Company to submit to the United States Nuclear Regulatory Commission an Annual Environmental Operating Report by May 1st 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, 1994 to December 31, 1994.

The Palisades Plant operated for 17,295.6 hours during 1994 producing a net total of 4,513,826 MWH. This represents 66.9% of the net demonstrated capacity for 1994.

**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 1994. Thirteen procedures or modifications to the facility were reviewed by the Consumers Power Company Environmental and Technical Services Department for determination of impact on the environment. None of the thirteen procedures or modifications reviewed by the Environmental Department required approval from the Michigan Department of Natural Resources (MDNR) prior to use or implementation.

**3.0 ADDITIONAL ACTIVITIES AUTHORIZED UNDER NPDES**

- 3.1 The Palisades Plant's National Pollution Discharge Elimination System (NPDES) permit No. MI0001457 was reissued on September 15, 1994 and became effective January 1, 1995. The changes to this permit were previously submitted to the NRC in a letter dated November 10, 1994 entitled "Renewal of the National Pollutant Discharge Elimination System (NPDES) Permit".

- 3.2 With the reissuance of NPDES Permit No. MI0001457 on September 15, 1994, storm water effluent monitoring is no longer required under this permit. The storm water discharges for Palisades are now regulated under the Michigan Department of Natural Resources, General Permit for storm water discharges, which was issued November 21, 1994. Under this Certificate of Coverage, MIR70P002, the plant site is classified as A.1.i., Storm Water Management Industrial Site.
- 3.3 The Ground Water Remediation System was in operation from January through November 11, 1994. The unit processed a total of 39.1 million gallons of TCE and PCE contaminated groundwater at the old fuel depot during 1994. The groundwater remediation project is regulated under the NPDES Permit No. MI004931.

#### 4.0 UNUSUAL ENVIRONMENTAL EVENTS

There were no unusual environmental events throughout 1994.

#### 5.0 ENVIRONMENTAL MONITORING

##### 5.1 Cooling Tower Meteorological 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 a period of 20 years. There were no meteorological monitoring activities related to the cooling towers during 1994.

##### 5.2 Herbicide Application

Herbicides were applied to the Palisades "exit corridor" on September 30, 1994 by Townsend Tree Service Company. The application of herbicides is documented on Attachment A.

#### 6.0 NON ROUTINE REPORTS

There were no reports entitled "Non Routine Reports" generated during 1994.

Attachment A

September 30, 1994 Herbicide Treatment

Commercial Name: Garlon 4.

Chemical Name: Triclopyr.

Concentration of Active Ingredient in Field Use Mix: 4 lb/gal.

Diluting Substance: Petroleum distillates.

Rate of Application: Spray to wet sapwood xylem, cambium and phloem areas of tree stumps.

Total Amount of Product Used: 11 Pints (5.35 lbs/a.i.).

Method of Application: Hand held spray bottle.

Frequency of Application: As required for hot spotting (no cycle) each stump only once.

Location: Line #602 A&B from the Plant out to the substation.

Date of Application: September 30, 1994.

Purpose of Treatment: Prevent regrowth from stump after tree is removed.