



March 27, 2007

Facility Operating License
Appendix B, Section 5.4.1

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

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

2006 Nonradiological Environmental Operating Report

Nuclear Management Company, LLC (NMC), is providing the Palisades Nuclear Plant (PNP) Annual Nonradiological Environmental Operating Report for 2006. This report was prepared in accordance with the PNP Facility Operating License, Appendix B, section 5.4.1. The attached report describes the implementation of the Environmental Protection Plan from January 1, 2006, through December 31, 2006.

Summary of Commitments

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

Paul A. Harden
Site Vice President, Palisades Nuclear Plant
Nuclear Management Company, LLC

Enclosure (1)
Attachment (1)

CC Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

ENCLOSURE
2006 NONRADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

1.0 BACKGROUND

Appendix B of the Facility Operating License for the Palisades Nuclear Plant (PNP) requires the submittal of an annual environmental operating report to the Nuclear Regulatory Commission (NRC), describing the implementation of the Environmental Protection Plan (EPP) during the previous year. The reporting period is January 1, 2006 through December 31, 2006.

The PNP operated for 7500 hours and produced a net total of 5,917,188 MWHe during 2006. This represents 90.8% of the net demonstrated capacity of the design electric rating of 805 MWe.

2.0 ENVIRONMENTAL IMPACT EVALUATIONS

Several procedure revisions and facility modifications were evaluated in accordance with PNP Administrative Procedure 4.22, "Nonradiological Environmental Program," during 2006.

Consumers Energy Company Environmental and Technical Services department reviewed one procedure and one modification for determination of impact on the environment.

Modification EC-8290 installed a 2,000 Kilowatt supplemental emergency diesel generator. This modification required a Michigan Department of Environmental Quality Air Quality Permit to Install. Permit to Install No. 183-06 was approved on June 21, 2006.

There were no changes, tests, or experiments that involved an unreviewed environmental question and no projects required EPP changes.

3.0 ADDITIONAL ACTIVITIES AUTHORIZED UNDER NPDES

The National Pollutant Discharge Elimination System (NPDES) permit MI0001457 did not require a change or revision during 2006.

4.0 UNUSUAL ENVIRONMENTAL EVENTS

No unusual environmental events occurred during 2006.

5.0 ENVIRONMENTAL MONITORING

Documentation of the effect of cooling tower operation on meteorological variables was required for two years following the conversion from the once-through cooling system to the cooling towers. Because the cooling towers have been in operation for 32 years, meteorological monitoring and other monitoring activities related to the cooling towers were not required during 2006.

Herbicides were not applied to the transmission line exit corridor in 2006. Rose Exterminator Company treated other areas of the property for vegetative management during 2006. The application of herbicides is documented in Attachment 1.

6.0 NON-ROUTINE REPORTS

During 2006, no non-routine reports were generated.

**ATTACHMENT 1
HERBICIDE TREATMENTS**

Company: Bio-Serv Corp. D.B.A., Rose Pest Solutions
2714 S. 11th Suite B
Niles, Michigan 49120

Date of Treatment: June 2, 2006

Commercial Name: Diuron 80DF (Diuron) Manufactured by Vegetation Management

Roundup Pro (Glyphosate) Manufactured by Monsanto Company

Concentration of Active Ingredient in Field Use Mix: 15 lbs. Diuron 80DF in 100 gallons of water (early spring).

Diluting Substance: Water

Rate of Application: 15 lbs. Diuron 80DF in 100 gallons water per acre and Roundup Pro at a rate of 1.2% concentration.

Total Amount Used: 886 gallons

Method of Application: Boom sprayer for parking lots, hand sprayer for all other areas.

Frequency of Application: Once per year in the springtime, then as needed.

Location: Along and near roadways, fence lines, walkways, parking lots, containment areas, substations, cooling towers, protected area, and microwave zones.

Purpose of Treatment: Control of weed species.