



Palisades Nuclear Plant

Operated by Nuclear Management Company, LLC

May 15, 2003

10 CFR 50.46

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

PALISADES NUCLEAR PLANT  
DOCKET 50-255  
LICENSE No. DPR-20  
THIRTY-DAY REPORT OF CHANGES IN EMERGENCY CORE COOLING SYSTEM  
MODELS PER 10 CFR 50.46

Nuclear Management Company, LLC, is submitting a 30-day report of changes in emergency core cooling system (ECCS) models for the Palisades Nuclear Plant. The report is submitted in accordance with 10 CFR 50.46(a)(3)(ii) as a significant change in peak cladding temperature ( $> 50^{\circ}\text{F}$ ). The report contains the small break loss-of-coolant accident ECCS evaluation model results for fuel cycle 17, which began on April 20, 2003, performed with a new methodology by Framatome Advanced Nuclear Power, Inc.

#### SUMMARY OF COMMITMENTS

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

Douglas E. Cooper  
Site Vice-President, Palisades

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

Attachment

A001

**ATTACHMENT 1**

**NUCLEAR MANAGEMENT COMPANY  
PALISADES NUCLEAR PLANT  
DOCKET 50-255**

**May 15, 2003**

**THIRTY-DAY REPORT OF CHANGES IN EMERGENCY CORE COOLING SYSTEM  
MODELS PER 10 CFR 50.46**

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## THIRTY-DAY REPORT OF CHANGES IN EMERGENCY CORE COOLING SYSTEM MODELS PER 10 CFR 50.46

The peak cladding temperature (PCT) for the small break loss-of-coolant (SBLOCA) analysis for Palisades was 2063 °F, as previously reported by Nuclear Management Company, LLC on December 17, 2002. Westinghouse Electric Company, LLC performed the previous analysis. Framatome Advanced Nuclear Power, Inc. performed the SBLOCA analysis for fuel cycle 17 at Palisades Nuclear Plant, which began on April 20, 2003, using a new methodology as approved by the NRC on March 15, 2001. The resulting PCT is 1465°F and is reported in Reference 1.

### Reference:

1. EMF-2889, Revision 0, Palisades Small Break LOCA Analysis, Framatome Advanced Nuclear Power, Inc., January 2003.