



December 11, 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

Annual Report of Changes in Emergency Core Cooling System Models

Nuclear Management Company, LLC, is submitting the annual report of changes in the 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). The report contains both the small break loss-of-coolant accident ECCS evaluation summary and the large break loss-of-coolant accident evaluation summary. This report covers the period from December 17, 2002 through December 11, 2003.

Summary of Commitments

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

Daniel J. Malone
Site Vice President, Palisades Nuclear Plant
Nuclear Management Company, LLC

Enclosure (1)

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

ADD 1

ENCLOSURE 1
ANNUAL REPORT OF CHANGES IN EMERGENCY CORE COOLING MODELS

1.0 CHANGES AND ERRORS IN SMALL BREAK LOSS-OF-COOLANT ACCIDENT (SBLOCA) EMERGENCY CORE COOLING (ECCS) EVALUATION MODEL

Framatome Advanced Nuclear Power, Inc. (FANP) performed the SBLOCA analysis for fuel cycle 17 for Palisades Nuclear Plant. The peak cladding temperature (PCT) of 1465°F was reported in Reference 1.

FANP has reported no errors since the Reference 1 report.

The resulting PCT, as applicable for the current fuel cycle 17, is 1465°F.

2.0 CHANGES AND ERRORS IN LARGE BREAK LOSS-OF-COOLANT ACCIDENT (LBLOCA) ECCS EVALUATION MODEL

FANP evaluates the LBLOCA for the Palisades Nuclear Plant with the SEM/PWR-98 methodology. The PCT of 1961°F for fuel cycle 16 was reported in Reference 2. FANP has reported no errors since the Reference 2 report.

The resulting PCT, as applicable for the current fuel cycle 17, is 1961°F.

3.0 REFERENCES

1. Letter, Douglas E. Cooper (Nuclear Management Company) to Document Control Desk (NRC), "Thirty-Day Report of Changes in Emergency Core Cooling System Models per 10 CFR 50.46," dated May 15, 2003.
2. Letter, Douglas E. Cooper (Nuclear Management Company) to Document Control Desk (NRC), "Annual Report of Changes in ECCS Models per 10 CFR 50.46," dated December 17, 2002.