



**Palisades Nuclear Plant**

Operated by Nuclear Management Company, LLC

November 14, 2005

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 (NMC), 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). There was no peak cladding temperature change for large break loss of coolant accident or small break loss of coolant accident subsequent to December 8, 2004. This report covers the period from December 9, 2004, through November 14, 2005.

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

Enclosures (2)

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

**ENCLOSURE 1**  
**LARGE BREAK LOSS OF COOLANT ACCIDENT**  
**PEAK CLADDING TEMPERATURE SUMMARY**

	$\Delta$ PCT (°F)	PCT (°F)
<b>PCT (Last Acceptable Model Results)</b>		<b>1929</b>
<b>10 CFR 50.46 Changes</b>		
CR 9266 Error In Break Loop SG Exit Junction Inertia	+1	
CR 9429 Error In Fast Flux Input To RODEX2	+4	
<b>PCT (2001 Annual Report)</b>		<b>1934</b>
<b>10 CFR 50.46 Changes</b>		
CR 9156 Error In TOODEE2 Clad Thermal Expansion	-1	
CR 8674 RFPAC V&V Findings From CDUP	+28	
<b>PCT (2002 Annual Report)</b>		<b>1961</b>
<b>PCT (2003 Annual Report)</b>		<b>1961</b>
<b>PCT (2004 Annual Report)</b>		<b>1961</b>
<b>PCT (2005 Annual Report)</b>		<b>1961</b>

**ENCLOSURE 2**  
**SMALL BREAK LOSS OF COOLANT ACCIDENT**  
**PEAK CLADDING TEMPERATURE SUMMARY**

	$\Delta$ PCT (°F)	PCT (°F)
PCT (Last Acceptable Model Results)		1465
PCT (2003 Annual Report)		1465
PCT (2004 Annual Report)		1465
PCT (2005 Annual Report)		1465