



**Consumers  
Power**

**POWERING  
MICHIGAN'S PROGRESS**

Palisades Nuclear Plant: 27780 Blue Star Memorial Highway, Covert, MI 49043

**Thomas C. Bordine**  
*Manager, Licensing*

January 15, 1997

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

**DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT**  
**NOTIFICATION UNDER 10 CFR 50.46 OF CHANGE IN ECCS CALCULATION**  
**RESULTS**

The purpose of this letter is to inform the NRC of a change in the calculated peak fuel cladding temperature which was determined by a new analysis of the Palisades Emergency Core Cooling System (ECCS). A significant change is being reported in accordance with 10 CFR 50.46(a)(3).

At the request of Consumers Power Company, ABB-Combustion Engineering (ABB-CE) performed reanalysis of the Small Break Loss of Coolant Accident (SB LOCA) design basis for Palisades Nuclear Plant using Palisades plant-specific input data in ABB-CE's NRC-approved 1977 Emergency Core Cooling System (ECCS) Evaluation Model. The previous SBLOCA analysis, which is documented in the Palisades FSAR, is an analysis for another plant that had been determined to be applicable to the Palisades design by ABB-CE.

The results of this recently performed SB LOCA analysis demonstrate conformance to the ECCS performance acceptance criteria of 10 CFR 50.46(b). A significant change is noted in that the predicated peak clad temperature of 1992 °F is 52 °F higher than the previous analysis results. This predicated temperature increase is not the result of a change to or an error in the ABB-CE SB LOCA evaluation model, or an error in the

9701290043 970115  
PDR ADOCK 05000255  
H PDR

**A CMS ENERGY COMPANY**

ADD 1%

application of the model to the Palisades Plant, but is the result of using Palisades plant-specific data.

Since the ECCS performance in the new SBLOCA analysis continues to show compliance with 10 CFR 50.46 requirements, no additional reanalysis or other action is planned.

#### SUMMARY OF COMMITMENTS

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

A handwritten signature in black ink, appearing to read "Thomas C. Bordine".

Thomas C. Bordine  
Manager, Licensing

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