your energy partner
OPPD
Omaha Public Power District

444 South 16th Street Mall
Omaha NE 68102-2247

April 11, 2003
LIC-03-0056

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

References:
1. Docket 50-285
2. XN-NF-82-49(P)(A), Supplement 1, "Exxon Nuclear Company Evaluation Model Revised EXEM PWR Small Break Model," Revision 1, December 1994
3. EMF-2087(P)(A), "SEM/PWR-98: ECCS Evaluation Model for PWR LBLOCA Applications," Revision 0, June 1999
4. Letter from OPPD (R.T. Ridenoure) to NRC (Document Control Desk), "Annual Report for 2001 Loss of Coolant Accident (LOCA)/Emergency Core Cooling System (ECCS) Models Pursuant to 10 CFR 50.46," dated April 30, 2002 (LIC-02-0054)

SUBJECT: Annual Report for 2002 Loss of Coolant Accident (LOCA)/Emergency Core Cooling System (ECCS) Models Pursuant to 10 CFR 50.46

In accordance with 10 CFR 50.46(a)(3)(ii), the Omaha Public Power District (OPPD) is submitting the annual 10 CFR 50.46 summary report for 2002. This summary report updates all identified changes or errors in the LOCA/ECCS codes and methods used by Framatome ANP to model Fort Calhoun Station Unit No. 1 (FCS). References 2 and 3, respectively, describe the Small Break (SB) and Large Break (LB) LOCA analysis methodology used by Framatome ANP for modeling plants, such as FCS.

OPPD has received the 2002 Framatome ANP 10 CFR 50.46 Annual Notification Report for the SB and LB LOCA Analyses that are subject to the reporting requirements of 10 CFR 50.46.

For 2002, there were no new Small Break LOCA Analysis Peak Clad Temperature (PCT) 10 CFR 50.46 Model Assessment errors. Attachment 1 provides the 2002 Small Break Peak Clad Temperature Margin Utilization Summary for FCS, which is unchanged from Reference 4. The value of the PCT remains at 1864 °F.

In 2002, a new Large Break LOCA Analysis was performed in support of Technical Specification Amendment No. 209. Previously identified errors were corrected in this reanalysis. The present baseline PCT value is 1956 °F and is reflected in Attachment 2, the 2002 Large Break Peak Clad Temperature Margin Utilization Summary for FCS.

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In summary, the FCS PCT values for Small and Large Break LOCAs remain less than the 10 CFR 50.46(b) (1) acceptance criterion of 2200 °F.

If you should have any questions, please contact Dr. Richard Jaworski at (402) 533-6833. No commitments are made to the NRC in this letter.

Sincerely,

R.T. Ridenoure
Division Manager
Nuclear Operations

RTR/RRL/rrl

Attachments:

1. Fort Calhoun Station Small Break LOCA Peak Clad Temperature Margin Utilization Summary
2. Fort Calhoun Station Large Break LOCA Peak Clad Temperature Margin Utilization Summary

c: E. W. Merschoff, NRC Regional Administrator, Region IV
A. B. Wang, NRC Project Manager
J. G. Kramer, NRC Senior Resident Inspector
Winston & Strawn

Attachment 1
Fort Calhoun Station Small Break LOCA
Peak Clad Temperature Margin Utilization Summary

	Clad Temp (°F)
LICENSING BASIS	
Analysis of Record	1865
MARGIN ALLOCATIONS (ΔPCT)	
A. Prior Permanent ECCS Model Assessments	-1
B. 2002 10 CFR 50.46 Model Assessments (Permanent Assessments of PCT Margin)	0
LICENSING BASIS PCT + MARGIN ALLOCATIONS	1864

Attachment 2
Fort Calhoun Station Large Break LOCA
Peak Clad Temperature Margin Utilization Summary

LICENSING BASIS	Clad Temp (°F)
Analysis of Record	1956
MARGIN ALLOCATIONS (ΔPCT)	
A. Prior Permanent ECCS Model Assessments	**0**
B. 2002 10 CFR 50.46 Model Assessments (Permanent Assessments of PCT Margin)	**0**
LICENSING BASIS PCT + MARGIN ALLOCATIONS	**1956**