



Nebraska Public Power District

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50.46(a)(3)(ii)

NLS2006078
October 23, 2006

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

Subject: Reporting of Changes in Emergency Core Cooling System Evaluation Models
Cooper Nuclear Station, Docket No. 50-298, DPR-46

Reference: Letter from Paul Fleming, Nebraska Public Power District, to U.S. Nuclear
Regulatory Commission, dated December 28, 2005, "Reporting of Changes and
Errors in ECCS Evaluation Models"

The purpose of this letter is to report the reanalysis of the Licensing Basis (LB) Peak Clad Temperature (PCT) values for the Cooper Nuclear Station (CNS) in accordance with 10 CFR 50.46(a)(3)(ii). The Nebraska Public Power District (NPPD) is submitting this letter to report the nature of the change and the estimated impact pursuant to 10 CFR 50.46(a)(3)(i) and to show compliance with 10 CFR 50.46(b)(1). The previous analysis was reported by letter dated December 28, 2005 (Reference).

The revised LB PCT will be 2040°F. This change in the LB PCT is a result of eliminating the 1600°F Upper Bound PCT Limit of the previous analysis. Use of the revised LB PCT was approved on September 29, 2006, by Engineering Evaluation EE06-031, and Nuclear Engineering Design Calculation NEDC 99-046, "Review of GE Calculation-Cooper Nuclear Station SAFER/GESTR-LOCA Analyses," revision 3C2. These documents accepted the use of General Electric/Global Nuclear Fuel report "NPPD Cooper Nuclear Station SAFER/GESTR Loss-of-Coolant-Accident ECCS Analysis with Elimination of the 1600°F Upper Bound PCT Limit." The revised LB PCT will be implemented upon startup in Operating Cycle 24.

The previous baseline value, including errors, was reported in the Reference letter as 1885°F. Although 10 CFR 50.46(a)(3)(i) would classify a change of 155°F as significant, the revised LB PCT value is still below the regulatory limit of 2200°F specified in 10 CFR 50.46(b)(1).

COOPER NUCLEAR STATION

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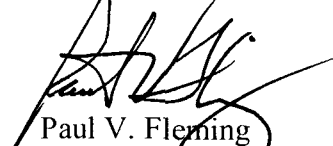
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If you have any questions regarding this issue please call George Griffith, Fuels and Reactor Engineering Manager, at (402) 825-5831.

Sincerely,



Paul V. Fleming
Licensing Manager

/rr

cc: Regional Administrator
USNRC - Region IV

Senior Project Manager
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector
USNRC - CNS

CNS Records

NPG Distribution

George Griffith

Correspondence Number: NLS2006078

The following table identifies those actions committed to by Nebraska Public Power District (NPPD) in this document. Any other actions discussed in the submittal represent intended or planned actions by NPPD. They are described for information only and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITMENT NUMBER	COMMITTED DATE OR OUTAGE
None		