NMC
Committed to Nuclear Excellence

Monticello Nuclear Generating Plant
Operated by Nuclear Management Company, LLC

December 30, 2002

10 CFR Part 50
Section 50.46(a)(3)

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

2002 Report of Changes and Errors in ECCS Evaluation Models

Reference 1: GE Report: NEDC-32514P, Revision 1, "Monticello SAFER/GESTR-LOCA Loss-of-Coolant Accident Analysis," October 1997. This report is Exhibit G of "Revision 1 to License Amendment Request Dated July 26, 1996, Supporting Monticello Nuclear Generating Plant Power Rerate Request Program."

Reference 2: GE Report: GE-NE-J1103878-09-02P, "Monticello ECCS-LOCA Evaluation for GE14," GE Proprietary Information, dated August 2001.

Reference 3: Nuclear Management Company (NMC) Letter: JS Forbes to NRC, "Report of Error in Emergency Core Cooling System (ECCS) Evaluation Model," Monticello Nuclear Generating Plant, Docket No. 50-263, License No. DPR-22, July 9, 2002.

Reference 4: 10 CFR 50.46 Notification Letter 2002-01, "SAFER Core Spray Injection Elevation Error," GE Proprietary Information, correspondence dated June 13, 2002.

Reference 5: 10 CFR 50.46 Notification Letter 2002-02, "Impact of SAFER Bulk Water Level Error on the Peak Clad Temperature (PCT)," GE Proprietary Information, correspondence dated June 13, 2002.

Reference 6: Northern States Power (NSP) Letter: MF Hammer to NRC, "2000 Report of Changes and Errors in ECCS Evaluation Models," Monticello Nuclear Generating Plant, Docket No. 50-263, License No. DPR-22, August 16, 2000.

Reference 7: Nuclear Management Company (NMC) Letter: JS Forbes to NRC, "2001 Report of Changes and Errors in ECCS Evaluation Models," Monticello Nuclear Generating Plant, Docket No. 50-263, License No. DPR-22, December 17, 2001.

Pursuant to 10 CFR 50.46(a)(3), the following is the required annual report of any change or error identified in the ECCS analytical models or their application for the period of July 2001 through July 2002.

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The Monticello Loss of Coolant Accident (LOCA) analyses of record are contained in the License Amendment Request for Plant Rerate (Reference 1) and the GE14 LOCA analysis report (Reference 2). All of the changes and errors within this reporting period were previously reported to the NRC in a special report pursuant to 10 CFR 50.46 (Reference 3). Those two errors were contained in GE/GNF Proprietary Information 10 CFR 50.46 Notification Letters 2002-01 (Reference 4) and 2002-02 (Reference 5); both dated June 13, 2002.

The licensing basis PCTs for the Monticello fuel types are listed below. These values include all adjustments from this reporting period and all previous reporting periods dating back to the analyses of record.

Fuel Type	Licensing PCT (°F)
GE11	2152
GE12	see note below
GE14	<1960

Note:
As described in References 3, 6 and 7, the GE12 lead use assemblies are bounded by the GE11 LOCA analysis for the following reasons.

A. The GE12 design has a greater number of fuel rods, resulting in initial temperatures and stored energy lower than the GE11 assemblies.
B. The GE12 fuel has a greater heat transfer area than the GE11 fuel, which improves the heat transfer characteristics during a LOCA.
C. The GE12 assemblies are specifically designed to have a lower linear heat generation rates than the coresident GE11 fuel.

This letter contains no new commitments nor does it modify any existing commitments. Please contact Paul Hartmann at 763-271-5172 if you have any questions related to this submittal.

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