



December 28, 2006

L-MT-06-083

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

Monticello Nuclear Generating Plant
 Docket 50-263
 License No. DPR-22

Results of Monticello Nuclear Generating Plant 2005 BWR Core Shroud Inspection

The Nuclear Management Company, LLC (NMC) is providing the following information to fulfill the reporting requirements associated with EPRI document BWRVIP-76 "BWR Core Shroud Inspection and Flaw Evaluation" resulting from the 2005 shroud inspection at the Monticello Nuclear Generating Plant (MNGP). The reporting requirements are contained in section 4 and table C-9 of BWRVIP-76. Submittal of plant specific analysis is required when percent indication is greater than or equal to 10% of the covered area and fluence for the weld exceeds 5×10^{20} n/cm². Furthermore, when plant specific analysis is performed the results will be submitted to the Nuclear Regulatory Commission. This letter is being submitted to satisfy the above requirements.

Below is a table of weld locations and results from the ultra-sonic examinations. The allowable years of service were determined using Limit Load or LEFM methodology. Application of a limit load and LEFM were determined using Appendix D of BWRVIP-76.

Weld	Fluence n/cm ² (bounding Value)	Limit Load or LEFM analysis	% coverage	% Indication	Allowable Years of Service Per Appendix D of BWRVIP- 76
H1	4.7E+18	Limit Load	75.51%	16.21%	10
H2	6.27E+20	LEFM	59.26%	6.02%	10
H3	6.42E+20	LEFM	71.56%	27.19%	10
H4 (Upper)	1.99E+21	LEFM	68.46%	8.33%	10
H4 (Lower)	1.99E+21	LEFM	68.46%	5.02%	10
H5	7.90E+17	Limit Load	68.46%	0.50%	10
H6	<7.90E+17	Limit Load	68.88%	2.52%	10
H7	<7.90E+17	Limit Load	68.88%	0.00%	10

The flaw evaluation analysis supporting the results is considered Electric Power Research Institute (EPRI) proprietary information and therefore cannot be transmitted. The analysis will be available for review at the Monticello facility and will be available at the request of your staff.

Summary of Commitments

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

 for J. Conway

John T. Conway
Site Vice President, Monticello Nuclear Generating Plant
Nuclear Management Company, LLC

cc: Administrator, Region III, USNRC
Project Manager, Monticello, USNRC
Resident Inspector, Monticello, USNRC