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 Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards "Final Rept on Exam, Testing & Evaluation of Irradiated Pressure Vessel Surveillance Specimens from Monticello Nuclear Generating Plant."

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June 5, 1984

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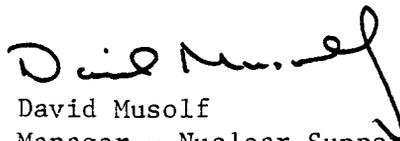
MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Final Report of Analysis of Capsule from
Reactor Vessel Radiation Surveillance Program

On August 10, 1983 we submitted for NRC Staff review a report entitled, "Interim Report on Examination, Testing, and Evaluation of Irradiated Pressure Vessel Surveillance Specimens from the Monticello Nuclear Generating Plant", April 18, 1983. The report was labeled as an "interim" report because at that time there was incomplete information as to the origin of the tested "J" specimens.

Battelle Columbus Laboratories has now completed investigations into the origin of the "J" specimens and a final report is available. Forty copies are submitted with this letter.

This report satisfies the reporting requirements of 10 CFR Part 50, Appendix H, for the Monticello Nuclear Generating Plant. As noted in the attached report the data generated by Battelle, along with the results of calculations recommended in Regulatory Guide 1.99, indicate that the Monticello reactor pressure vessel provides adequate margins of safety with respect to the end-of-life upper shelf energy and adjusted reference temperature requirements of 10 CFR Part 50, Appendix G. The Monticello vessel surveillance capsule program however, is deficient with respect to new requirements of 10 CFR Part 50, Appendix H. These deficiencies will be addressed in a future report.


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DMM/dab

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Attachment

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FINAL REPORT

on

EXAMINATION, TESTING, AND EVALUATION OF
IRRADIATED PRESSURE VESSEL SURVEILLANCE
SPECIMENS FROM THE MONTICELLO
NUCLEAR GENERATING PLANT

to

NORTHERN STATES POWER COMPANY

March 15, 1984

by

L. M. Lowry, M. P. Landow, J. S. Perrin,
A. M. Walters, R. G. Jung, and R. S. Denning

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