



Northern States Power Company

Monticello Nuclear Generating Plant
2807 West Hwy 75
Monticello, Minnesota 55362-9637

November 13, 1995

Generic Letter 92-01
Revision 1, Supplement 1

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

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-283 License No. DPR-22

Response to Generic Letter 92-01, Revision 1, Supplement 1
Reactor Vessel Structural Integrity, Items 2, 3 and 4

Generic letter 92-01, Revision 1 was issued to obtain information needed to assess compliance with requirements and commitments regarding reactor vessel integrity in view of certain concerns raised in the staff's review of reactor vessel integrity for the Yankee Nuclear Power Station. Monticello responded to the Generic Letter 92-01, Revision 1, and subsequent staff requests for information, by letters dated July 6, 1992, August 30, 1993, and May 26, 1994. Generic Letter 92-01, Revision 1, Supplement 1, (dated May 19, 1995), was issued to require that all addressees identify, collect and report any new data pertinent to analysis of structural integrity of their reactor vessels and to assess the impact of the data on their reactor pressure vessel integrity analysis.

Monticello provided a response to Required Information item (1) of Generic Letter 92-01, Revision 1, Supplement 1, by letter dated August 17, 1995. In our August 17, 1995 submittal, Monticello committed to participate in the Boiling Water Reactor Vessel Internals Project (BWRVIP) action plan for reactor pressure vessel data. The Generic letter contained the following additional Required Response:

Required Response

All addressees are required to submit the following written response providing the information described:

- (2) *within 6 months from the date of this generic letter, a written response to parts (2), (3), and (4) of the information requirements of [Generic Letter 92-01, Revision 1, Supplement 1].*

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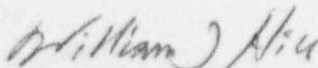
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Our response to the 6 month information request of Generic Letter 92-01, Revision 1, Supplement 1, "Reactor Vessel Structural Integrity" is provided in Attachment 1 of this submittal. With submittal of this information, our commitment to participate in the BWRVIP action plan for reactor pressure vessel data is completed and closed.

This letter does not contain any new NRC commitments. The submittal modifies previous NRC commitments by establishing closure of the following NRC commitment:

1. We will participate in the "BWRVIP Action Plan for RPV Integrity Data."

Please contact Marv Engen, Sr Licensing Engineer, at (612) 295-1291 if you require further information.



William J Hill
Plant Manager
Monticello Nuclear Generating Plant

- c: Regional Administrator - III, NRC
NRR Project Manager, NRC
Sr Resident Inspector, NRC
State of Minnesota, Attn: Kris Sanda

Attachments: Affidavit to the US Nuclear Regulatory Commission

- (1) Response to Generic Letter 92-01, Revision 1, Supplement 1, 6 Month Information Request

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

Response to Generic Letter 92-01, Revision 1, Supplement 1
Reactor Vessel Structural Integrity, Item 2, 3, and 4

Northern States Power Company, a Minnesota corporation, by this letter dated November 13, 1995 hereby submits information required by Generic Letter 92-01, Revision 1, Supplement 1 for the Monticello Nuclear Generating Plant.

This letter contains no restricted or other defense information.

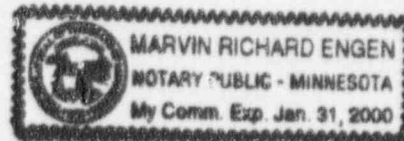
NORTHERN STATES POWER COMPANY

By William J Hill
William J Hill
Plant Manager
Monticello Nuclear Generating Plant

On this 13th day of November 1995 before me a notary public in and for said County, personally appeared, William J Hill, Plant Manager, Monticello Nuclear Generating Plant, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true and that it is not interposed for delay.

Marvin R Engen
Marvin R Engen
Notary Public - Minnesota
Sherburne County

My Commission Expires January 31, 2000



Attachment 1

Response to Generic Letter 92-01, Revision 1, Supplement 1, 6 Month Information Request

Required Information

Addressees are required to provide the following information:

- (2) *an assessment of any change in best-estimate chemistry based on consideration of all relevant data;*
- (3) *a determination of the need for use of the ratio procedure in accordance with the established Position 2.1 of Regulatory Guide 1.99, Revision 2, for those licensees that use surveillance data to provide a basis for the RPV integrity evaluation; and*
- (4) *a written report providing any newly acquired data as specified above and (1) the results of any necessary revisions to the evaluation of RPV integrity in accordance with the requirements of 10 CFR 50.60, 10 CFR 50.61, Appendix G and H to 10 CFR Part 50, and any potential impact on the LTOP of P-T limits in the technical specifications or (2) a certification that previously submitted evaluation remain valid. Revised evaluations and certifications should include consideration of Position 2.1 of Regulatory Guide 1.99, Revision 2, as applicable, and any new data.*

Response

Monticello has participated in the BWRVIP actions to respond to the above information request. Monticello has reviewed the BWRVIP report entitled *Bounding Assessment of BWR/2-6 Reactor Pressure Vessel Integrity Issues*, which has been submitted to the NRC. The efforts performed by the BWRVIP have not identified any new data pertaining to the determination of reactor pressure vessel (RPV) integrity for the Monticello plant. The BWRVIP report confirmed that the previous equivalent margins analysis for upper shelf energy is a bounding analysis for the Monticello plant and the report confirmed that Monticello RPV weld chemistry variability is bounded by the Regulatory Guide 1.99, Revision 2, margin term; thus P-T curves are not affected.

Position 2.1 of Regulatory Guide 1.99, Revision 2, establishes a method which can be used to adjust the beltline ΔRT_{NDT} calculation based on the results of at least two surveillance capsule tests. Monticello has had only one capsule tested to date. A second capsule was irradiation aged in the Prairie Island plant and has been recently shipped to a laboratory for analysis. Monticello intends to monitor the activities of the BWRVIP and the Nuclear Energy Institute (NEI) concerning resolution of issues associated with Position 2.1 application of surveillance data to beltline adjusted reference temperature (ART).

Monticello certifies that the previously submitted evaluations pertaining Monticello RPV integrity remain valid.