



Northern States Power Company

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June 8, 1993

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

10 CFR Part 50
Section 50.54(f)

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

Response to NRC Bulletin 93-02, "Debris Plugging
of Emergency Core Cooling Suction Strainers"

The following information is provided in response to the reporting requirements contained in NRC Bulletin 93-02, "Debris Plugging of Emergency Core Cooling Suction Strainers".

Reporting Requirement No. 1 states:

Within 30 days of the date of this bulletin, a written response stating whether the actions requested [by the bulletin] have been or will be performed. If the use of such material is identified, this written response shall also include the locations and quantity of use, any immediate compensatory measures taken, and the current schedule for removal of the material.

Response

The Monticello Nuclear Generating Plant does not have any fibrous air filters or other temporary sources of fibrous material stored in the primary containment. Attachment 2 to this letter provides our response to the requested actions specified in NRC Bulletin 93-02, "Debris Plugging of Emergency Core Cooling Suction Strainers".

Reporting Requirement No. 2 states:

Within 30 days of completion of the requested actions, [provide] a report confirming completion.

Response

All actions requested by the bulletin are complete, this letter satisfies Reporting Requirement No. 2 of NRC Bulletin 93-02.

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Reporting Requirement No. 3 states:


If an addressee proposes not to take the actions requested in this bulletin, provide to the NRC staff, within 30 days of the date of this bulletin, your proposed alternative course of action and a justification for any deviations from the requested actions.

Response

This item is not applicable to the Monticello Nuclear Generating Plant.

This letter contains no new NRC commitments, nor does it modify any prior commitments.

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



Reger O Anderson
Director
Licensing and Management Issues

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

Attachments:

- 1) Affidavit to the US Nuclear Regulatory Commission
- 2) Response to Requested Actions of NRC Bulletin No. 93-02

ATTACHMENT 1

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

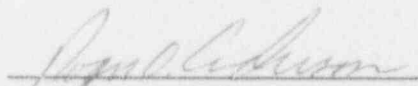
DEBRIS PLUGGING OF EMERGENCY CORE COOLING SUCTION STRAINERS

Northern States Power Company, a Minnesota corporation, with this letter is submitting information requested by NRC Bulletin 93-02, Debris Plugging of Emergency Core Cooling Suction Strainers, pursuant to 10 CFR 50.54(f).

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

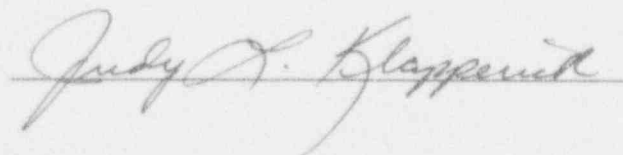
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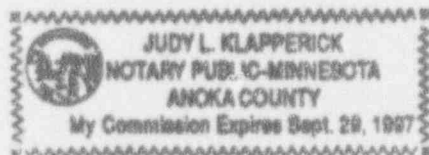

Roger O Anderson

Director

Licensing and Management Issues

On this 8th day of June 1993 before me a notary public in and for said County, personally appeared Roger O Anderson, Director Licensing and Management Issues, 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.





Response to Requested Actions of NRC Bulletin No. 93-02

Requested Actions

Identify fibrous air filters or other temporary sources of fibrous material, not designed to withstand a LOCA, which are installed or stored in your primary containment. Take any immediate compensatory measures which may be required to assure the functional capability of the ECCS. Take prompt action to remove any such material. Because of the low probability of a LOCA event, the staff considers removal of this material at the next shutdown, or within 120 days, whichever comes first, to be sufficiently prompt. If the facility is currently in a shutdown, you are requested to remove such material prior to restart.

Response:

No fibrous air filters are used or stored within the Monticello primary containment. At one time this type of filter was utilized in the Drywell Cooling System, however; the fibrous type filter had been replaced with a cleanable stainless steel type of filter due to disintegration of the fibrous type, and subsequent plugging of the drywell cooling coils. In addition, we do not store any temporary fibrous material in the primary containment.

The Monticello containment is of a General Electric Boiling Water Reactor Mark I design. The primary containment design consists of a drywell, which encloses the reactor vessel and recirculation pumps, a separate enclosed torus pressure suppression chamber which stores a large volume of water, and the connecting vent system between the drywell and the torus suppression chamber.

The Monticello containment design is not vulnerable to inadvertent introduction of foreign material to the torus during plant operation as the torus is closed, with the manways bolted shut, and inerted with nitrogen. During periods of extended plant shutdown for refueling, the torus has been routinely opened for torus preservation and maintenance activities. Monticello has pursued an aggressive program of torus preservation and cleanliness during past refueling outages. This program has included the complete drain down of the torus structure, visual inspection of the torus internal structures, torus shell surface preparation, torus shell preservation painting, and visual inspection for cleanliness prior to reflood of the torus. Cleanliness inspections have also been performed of the drywell interior prior to closure following a refuel outage.

In addition, the Monticello Emergency Core Cooling Systems (ECCS) pump suction design employs a common ECCS ring header to supply suction to all ECCS pumps. This ring header, encircling the torus exterior, is supplied with torus water which passes through four ECCS suction strainers separated approximately 90 degrees apart. Sufficient flow area is available to meet the combined flow requirements of the Core Spray and Low Pressure Coolant Injection systems with one completely plugged suction strainer. The four ECCS suction strainers are visually inspected for cleanliness and integrity, and cleaned if necessary, during refueling outages when the torus is drained down.