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 RECIP. NAME RECIPIENT AFFILIATION
 Office of Nuclear Reactor Regulation

SUBJECT: Discusses review of vendor & NRC info re fuel cladding strain & fuel assembly flow blockage models. No basis to change plant ECCS analysis or Tech Specs.

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NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

January 8, 1980

Director of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Washington, DC 20555

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

Fuel Rod Strain and Flow Blockage Models

- References:
1. Letter, R H Buchholz (GE) to D G Eisenhut (NRC) dated November 2, 1979
 2. R H Buchholz (GE) to D G Eisenhut (NRC), dated November 16, 1979
 3. Letter, R H Buchholz (GE) to D G Eisenhut (NRC), dated December 7, 1979

On November 9 and 27, 1979, Mr D G Eisenhut requested that all operating light water reactor licensees review vendor and NRC information on fuel cladding strain and fuel assembly flow blockage models and confirm that the present models applicable to the licensee's plant are conservative with respect to the NRC's model derived from ORNL Multi-Rod Burst Test Facility data.

The ECCS analyses for the Monticello plant utilizes the General Electric models approved by the NRC.

We have reviewed References 1, 2, and 3 and are aware of the review effort General Electric has applied to this issue. Based on information provided by General Electric, it is our understanding that over the operating range of interest pertinent to Monticello that the models applied by General Electric and approved by the NRC are of a conservative level equivalent to the NRC model. There appears to be no basis to change either the plant ECCS analysis or the Technical Specifications.



L O Mayer, PE
Manager of Nuclear support Services

LOM/JAG/ak

cc: J G Keppler
G Charnoff

Attachment

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UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

Docket No. 50-263

LETTER DATED JANUARY 8, 1980
RESPONDING TO NRC REQUEST
FOR REVIEW OF ROD STRAIN AND FUEL ASSEMBLY FLOW BLOCKAGE MODELS

Northern States Power Company, a Minnesota corporation, by this letter dated January 8, 1980 hereby submits information in response to NRC request for information concerning fuel rod strain and fuel assembly flow blockage models.

This request contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By

L. O. Mayer
L O Mayer

Manager of Nuclear Support Services

On this 8th day of January, 1980, before me a notary public in and for said County, personally appeared L O Mayer, Manager of Nuclear Support Services, 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.

Jeanne M. Hacker

