

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8503060282 DOC.DATE: 85/02/25 NOTARIZED: NO DOCKET #
 FACIL:50-263 Monticello Nuclear Generating Plant, Northern States 05000263
 AUTH.NAME AUTHOR AFFILIATION
 MUSOLF,D. Northern States Power Co.
 RECIP.NAME: RECIPIENT AFFILIATION
 Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Rev 0 to NSP-16-101, "Comparison of NUTECH Coupling
 Analysis Procedure Results W/Monticello Safety/Relief
 Valve Test Strain Gauge Data," in response to questions re
 CMDOF computer program.

DISTRIBUTION CODE: A025D COPIES RECEIVED:LTR 1 ENCL 40 ^{on shelf} SIZE: 2+29
 TITLE: OR Submittal: USI A-7 Mark I Containment

NOTES: OL:09/08/70 05000263

| | RECIPIENT ID CODE/NAME | | COPIES L TTR ENCL | | RECIPIENT ID CODE/NAME | | COPIES L TTR ENCL |
|-----------|---------------------------|----|----------------------|---|---------------------------|----|----------------------|
| | NRR ORB2 BC | 01 | 4 | 0 | | | |
| INTERNAL: | ACRS | 12 | 10 | 3 | ADM/LFMB | | 1 0 |
| | EDO | | 1 | 0 | ELD/HDS1 | 13 | 1 0 |
| | NRR DIR | | 1 | 0 | NRR SIEGEL,B | | 5 5 |
| | NRR/DE/MEB | | 4 | 4 | NRR/DE/MTEB | | 1 1 |
| | NRR/DL/ORAB | 10 | 1 | 1 | NRR/DL/TAPMG | | 1 1 |
| | NRR/DSI/CSB | 11 | 1 | 1 | <u>REG FILE</u> | 04 | 1 1 |
| | RGN3 | | 1 | 1 | | | |
| EXTERNAL: | LPDR | 03 | 1 | 1 | NRC PDR | 02 | 1 1 |
| | NSIC | 05 | 1 | 1 | | | |



Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401
Telephone (612) 330-5500

February 25, 1985

Director
Office of Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, DC 20555

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

Additional Information Related to Computer Program CMDOF

The purpose of this letter is to provide, for the information of the NRC Staff, information related to the CMDOF computer program used in the Mark I Containment Program analyses at the Monticello Nuclear Generating Plant.

At a meeting with the NRC Staff and their consultants on August 9 - 10, 1984 a number of questions related to the Mark I Containment Program were discussed. All issues were resolved at this meeting with the exception of verification of the computer program CMDOF (Coupling of Multiple Degrees of Freedom) used in the large-bore torus attached piping analysis procedure.

Because of remaining NRC Staff questions related to CMDOF, Northern States Power Company authorized NUTECH Engineers to complete an evaluation which compares results developed using CMDOF with strain gauge data collected during the 1980 Monticello supplementary safety/relief valve tests. The results of this comparison are reported in the attached NUTECH report entitled, "Comparison of NUTECH Coupled Analysis Procedure Results with Monticello SRV Test Strain Gauge Data," NSP-16-101, February, 1985.

As noted in the attached report, it was found that the NUTECH coupled analysis procedure, utilizing the CMDOF computer program to perform the coupling portion of the analysis, provides a significant amount of inherent conservatism.

Please contact us if you have any questions relating to the attached report. It should be noted that NRC Staff questions relating to use of CMDOF are also applicable to other Mark I utilities using the services of NUTECH as the

8503060282 850225
PDR ADOCK 05000263
PDR

A025
1/40

Director of NRR
February 25, 1985
Page 2

engineering consultant for the Mark I Containment Program. The attached report may be used in resolving questions related to CMDOF for these utilities also.



David Musolf
Manager - Nuclear Support Services

c: Regional Administrator-III, NRC
Resident Inspector, NRC
NRR Project Manager, NRC
B Siegel; NRC
G Charnoff

Attachment