

NSP**NORTHERN STATES POWER COMPANY**

MINNEAPOLIS, MINNESOTA 55401



June 25, 1976



Mr Dennis L Ziemann, Chief
Operating Reactors Branch # 2
Division of Operating Reactors
U S Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr Ziemann

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

Appendix I Filing

The subject filing dated June 4, 1976, included a volume of Appendices 2.5 - A & B. Certain random copies of this volume have pages 2.5-A, 2.5-A-1, and 2.5-A-2 (first three pages) identified with Prairie Island. Improper volumes can be corrected by replacement of the three pages with the attached sheets.

Yours very truly,

L O Mayer, PE
Manager, Nuclear Support Services

LOM/ECW/deb

cc: J G Keppler
G Charnoff
MPCA
Attn: J W Ferman

6544

MONTICELLO

APPENDIX 2.5-A

ANNUAL AND MONTHLY JOINT FREQUENCY DISTRIBUTIONS APPROPRIATE FOR SURFACE RELEASES AT MONTICELLO

The meteorological data presented are the frequency of the 10 m wind speed classes and the 10 m wind direction classes by atmospheric stability class. The stability class was determined by $\Delta T_{140 \text{ ft} - 10 \text{ m}}$ ($\Delta T_{43 - 10 \text{ m}}$). The data were collected on the Monticello meteorological tower from January 1, 1974 to December 31, 1974.

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NORTHERN STATES POWER COMPANY - MONTICELLO NUCLEAR GENERATING PLANT

SITE METEOROLOGY - FREQUENCY DISTRIBUTION TABLES

10 METER STABILITY CLASSES DETERMINED USING 140 FT - 10 METER DELTA T

140 FT AND 100 METER STABILITY CLASSES DETERMINED USING BEST AVAILABLE DELTA T

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD 1/ 1/74 THROUGH 12/31/74

STABILITY CLASS A

ELEVATION 10 METER

DIRECTION	WIND SPEED (MPH) AT 10 METER LEVEL						TOTAL
	1 TO 3	4 TO 7	8 TO 12	13 TO 18	19 TO 24	ABOVE 24	
N	0	21	47	13	2	0	83
NNE	2	6	22	5	0	0	35
NE	0	4	25	6	0	0	40
NNE	1	14	17	1	0	0	33
E	0	10	18	5	0	0	33
ESE	1	6	18	20	0	0	45
SE	1	12	24	56	2	0	97
SSE	0	4	38	59	26	2	134
S	2	12	47	112	25	3	201
SSW	2	20	32	50	6	0	110
SW	0	17	47	13	0	0	77
WSW	0	25	34	12	3	0	74
W	1	28	33	7	3	0	72
WNW	2	26	50	41	8	0	127
NW	0	30	62	52	14	0	158
NNW	0	15	50	48	11	0	124
VAR	0	0	0	0	0	0	0

TOTAL HOURS THIS PAGE
HOURS OF CALM THIS PAGE

1445
0

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FROM: Northern States Power Co.
Minneapolis, MINN.
L.O. Mayer

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ACKNOWLEDGED

DO NOT REMOVE

Plant Name: Monticello

FOR ACTION/ INFORMATION

SAB 7-1-76

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PROJECT MANAGER

L.O. ADST.

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