

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 736

FILE: _____

FROM: Northern States Power Co. Minneapolis, Minn. 55401 L.O. Mayer		DATE OF DOC 1-17-75	DATE REC'D 1-23-75	LTR XXX	TWX	RPT	OTHER
TO: Mr. E. Case		ORIG 1 signed	CC 39	OTHER	SENT AEC PDR SENT LOCAL PDR		XX XX
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 40	DOCKET NO: 50-263		

DESCRIPTION: Ltr advising that Correction No. 3 to Semi-Annual Report #7 covering the period of Jan 1 to June 30, 1974 should read.... trans the following:

ENCLOSURES: Corrections to Semi-Annual Report #7 for the period 1-1 thru 6-30-74....

(40 cys encl rec'd)

ACKNOWLEDGED

Do Not Remove

PLANT NAME: Monticello Plant

FOR ACTION/INFORMATION DHL 1-23-75

- | | | | |
|-------------------------|----------------------------|-----------------------------|------------------------|
| BUTLER (L)
W/ Copies | SCHWENCER (L)
W/ Copies | ZIEMANN (L)
W/ Copies 9 | REGAN (E)
W/ Copies |
| CLARK (L)
W/ Copies | STOLZ (L)
W/ Copies | DICKER (E)
W/ Copies | LEAR (L)
W/ Copies |
| PARR (L)
W/ Copies | VASSALLO (L)
W/ Copies | KNIGHTON (E)
W/ Copies | SPELS
W/ Copies |
| KNIEL (L)
W/ Copies | PURPLE (L)
W/ Copies | YOUNGBLOOD (E)
W/ Copies | |

INTERNAL DISTRIBUTION

- | | | | | |
|--|--|---|---|---|
| REG FILE
AEC PDR
OGC, ROOM P-506A
MUNTZING/STAFF
CASE
GIAMBUSSO
BOYD
MOORE (L)
DEYOUNG (L)
SKOVHOLT (L)
GOLLER (L) (Ltr)
P. COLLINS
DENISE
REG OPR
FILE & REGION (2)
T.R. Wilson
STEELE | TECH REVIEW
SCHROEDER
MACCARY
KNIGHT
PAWLICKI
SHAO
STELLO
HOUSTON
NOVAK
ROSS
IPPOLITO
VEDESCO
LONG
LAINAS
BENAROYA
VOLLMER | DENTON
GRIMES
GAMMILL
KASTNER
BALLARD
SPANGLER

ENVIRO
MULLER
DICKER
KNIGHTON
YOUNGBLOOD
REGAN
PROJECT LDR
BEVAN
HARLESS | LIC ASST
R. DIGGS (L)
H. GEARIN (L)
E. GOULBOURNE (L)
P. KREUTZER (E)
J. LEE (L)
M. MAIGRET (L)
S. REED (E)
M. SERVICE (L)
S. SHEPPARD (L)
M. SLATER (E)
H. SMITH (L)
S. TEETS (L)
G. WILLIAMS (E)
V. WILSON (L) | A/T IND
BRAITMAN
SALTZMAN
ABEL

PLANS
MCDONALD
CHAPMAN
DUBE (Ltr)
E. COUPE
PETERSON
D. THOMPSON (2)
KLECKER
EISENHUT
WIGGINTON |
|--|--|---|---|---|

EXTERNAL DISTRIBUTION

- | | | |
|------------------------------------|--------------------------------|---|
| 4 - LOCAL PDR Minneapolis, Minn. | 1 - NATIONAL LABS | 1 - PDR-SAN/LA/NY |
| 4 - TIC (ABERNATHY) (1)(2)(10) | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB |
| 4 - NSIC (BUCHANAN) | 1 - CONSULTANTS | 1 - G. ULRIKSON, ORNL |
| 1 - ASLB | NEWMARK/BLUME/AGBABIAN | 1 - AGMED (RUTH GUSSMAN)
Rm B-127 GT |
| 1 - Newton Anderson | | 1 - R. D. MUELLER, Rm E-201
GT |
| 12 ACRS /SENT TO. R. Diggs 1-23-75 | | |

NSP

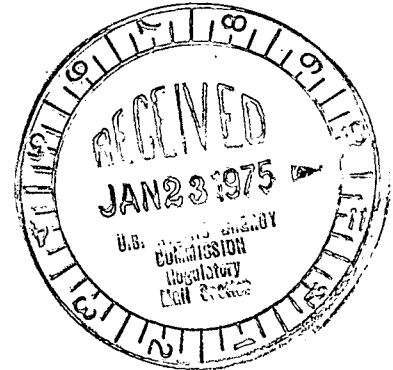
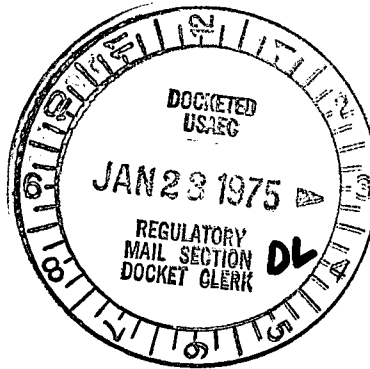
Regulatory Docket File

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

January 17, 1975

Mr. E G Case, Acting Director
Directorate of Licensing
Office of Regulation
U S Atomic Energy Commission
Washington, DC 20545



Dear Mr. Case:

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

Correction No. 3 to Semi-Annual Operating Report #7

The Monticello Semi-Annual Operating Report #7 covering the period of January 1 to June 30, 1974 should be corrected as follows:

- a) A transposition of two columns on part of Table 6, page VI-18 requires the page be revised.
- b) Data not included in Table 5 page VI-14, Table 10 page VI-41 and Table 13 page VI-48 requires these pages be revised.

Punched corrected pages are attached.

Yours very truly,

L O Mayer, PE
Manager of Nuclear Support Services

LOM/BWC /yb

cc: J G Keppler
G Charnoff
Minnesota Pollution Control Agency
Attn. E A Pryzina

Attachment

736

Table 5

FALLOUT

Sampling Location	Collection	pCi/m ²									
		¹⁴⁷ Nd	¹⁴⁴ Ce	¹⁴¹ Ce	⁵¹ Cr	¹³¹ I	¹⁰³ Ru	¹⁰⁶ Ru	¹³⁷ Cs	⁹⁹ Mo	⁹⁵ Zr
Monticello Nuclear Generating Plant	Jan		51	18		<65.0	26		27		
	Feb	66	111	17		<28.0	23	82	27		63
	Mar	45	550	36		29.0	95	200	72		270
	Apr	29	1050	35	72	<9.3	120	510	150	350	380
	May		2900	50		<32.0	190	1250	320	2100	720
	Jun		1800	80	270	140.0	160	960	270		580
Minneapolis (Minn. Dept. of Health)	Jan	62	110	25		<71.0	32	63	23		80
	Feb		170	29		<9.0	24		22		100
	Mar		980	51		<18.0	150	400	110		490
	Apr	46	2400	67		<33.0	210	910	230		860
	May		3200	55		<21.0	160	1100	250		820
	Jun	310	3500			<160.0	140	1300	340		630

1-17-75

Regulatory Docket File

VI-13

Table 5
(cont)

FALLOUT

Sampling Location	Collection	pCi/m ²							pCi/l	
		⁹⁵ Nb	⁵⁴ Mn	⁵⁹ Fe	⁶⁵ Zn	⁶⁰ Co	¹²⁴ Sb	Gross Beta	⁹⁰ Sr	³ H
Monticello Nuclear Generating Plant	Jan	68						460	8.3	<170
	Feb	112					15	750	12.0	220
	Mar	430						3140	23.0	470
	Apr	710	9	7.6		4.6		5870	100.0	**
	May	1300	24					15300	220.0	**
	Jun	920	21					11600	160.0	460
Minneapolis (Minn. Dept. of Health)	Jan	140						810	6.2	**
	Feb	150				8.5		1020	11.0	<190
	Mar	820	16					5810	35.0	<240
	Apr	1600	21	23.0				12800	120.0	**
	May	1500	28			8.0		11100	230.0	700
	Jun	1200		48.0	45			20300	230.0	**

**Dry sample

Revised 1-17-75

VI-14

Table 6

MILK

Sampling Location	Date of Collection	pCi/liter		
		¹³⁷ Cs	¹³¹ I	⁹⁰ Sr
Region #1 North of Plant Site				
Dwinger - 13.0 mi. @ 335°				
	1-16-74	3.0	<5.20	14.0
	2-13-74	6.2	<3.40	12.0
	3-13-74	6.6	<2.40	13.0
	4-10-74	4.0	<2.60	13.0
	5-15-74	8.6	<0.13	16.0
	6-12-74	19.0	<0.16	11.0
Kirchenbauer - 11.5 mi. @ 323°				
	1-16-74	4.0	<4.80	9.9
	2-13-74	4.3	<3.20	12.0
	3-13-74	4.6	<2.10	17.0
	4-10-74	6.0	<3.10	10.0
	5-15-74	6.6	<0.11	16.0
	6-12-74	15.0	0.40	9.9
Region #2 Southwest of Plant Site				
Kotilinek - 5.6 mi. @ 230°				
	1-16-74	<2.3	<4.90	6.8
	2-13-74	<2.4	<3.10	6.3
	3-13-74	5.6	<3.80	6.2
	4-10-74	<2.1	<3.90	5.4
	5-15-74	10.0	<0.28	7.2
	6-12-74	<1.8	<0.22	11.0
Vandergon - 8.3 mi. @ 247°				
	1-16-74	3.2	<6.20	2.6
	2-13-74	<1.8	<2.60	3.9
	3-13-74	<2.6	<4.70	4.2
	4-10-74	<3.1	<3.10	3.5
	5-15-74	12.0	<0.25	4.6
	6-12-74	3.3	<0.17	5.9
Region #3 South of Plant Site				
Holland - 8.1 mi. @ 199°				
	1-16-74	10.0	<5.70	4.0
	2-13-74	2.2	<2.20	3.1
	3-13-74	<2.4	<4.10	4.5
	4-10-74	2.2	<2.80	4.2
	5-15-74	3.6	<0.23	2.7
	6-12-74	10.0	<0.46	4.3
Hopkins - 7.6 mi. @ 193°				
	1-16-74	4.1	<5.80	3.6
	2-13-74	4.0	2.60	4.1
	3-13-74	2.5	<4.10	3.7
	4-10-74	1.7	<3.10	3.4
	5-15-74	<2.3	<0.26	3.7
	6-12-74	<2.3	<0.45	3.8

Table 6
(cont)
MILK

Sampling Location	Date of Collection	pCi/liter		
		¹³⁷ Cs	¹³¹ I	⁹⁰ Sr
Region #4 Southeast of Plant Site				
Becker - 10.0 mi. @ 130°	1-16-74	4.4	<4.30	5.6
	2-13-74	2.6	<2.90	7.1
	3-13-74	<1.8	<3.30	8.6
	4-10-74	3.9	<5.10	5.6
	5-15-74	3.5	<0.33	3.9
	6-12-74	2.2	<0.42	5.8
Vetsch - 9.4 mi. @ 128°	1-16-74	<1.7	<5.30	4.9
	2-13-74	3.1	<3.10	4.2
	3-13-74	2.2	<2.90	5.6
	4-10-74	5.5	<5.00	5.4
	5-15-74	5.5	<0.30	5.9
	6-12-74	12.0	<0.42	5.1
Elk River East of Plant Site				
Barthel - 14.25 mi. @ 93°	2-26-74	3.10	<2.4	5.9
	6-27-74	9.90	<3.7	8.7
Gamm - 17.75 mi. @ 88°	2-25-74	7.70	<2.7	8.2
	6-27-74	21.00	<3.9	5.0
Lakoduk - 11.5 mi. @ 82°	2-25-74	4.10	<2.7	6.3
	6-27-74	5.00	<4.7	8.9
Nemeth - 12.75 mi. @ 76°	2-25-74	12.00	<2.7	10.0
	6-27-74	12.00	<3.7	25.0

Revised 1-17-75

Table 10

LAKE WATER

Sampling Location	Date of Collection	pCi/liter			
		Gross Beta	^{137}Cs	^3H	^{90}Sr
Bass Lake 48 mi. @ 108°	1-17-74	12	<2.2	330	2.8
	2-26-74	8	<2.0	560	3.1
	3-27-74	8	<2.1	340	2.7
	4-24-74	8	2.5	620	3.5
	5-30-74	6	<1.4	540	3.3
	6-20-74	7	<2.0	680	2.6
Bertram Lake 2.3 mi. @ 188°	1-8-74	9	<2.0	680	2.1
	2-26-74	13	<2.0	<180	1.9
	3-27-74	8	<2.0	280	2.0
	4-24-74	7	<1.4	690	2.0
	5-29-74	5	<1.4	400	2.0
	6-26-74	13	<2.0	570	2.4
Big Lake 4.4 mi. @ 84°	1-8-74	15	4.2	880	5.3
	2-26-74	14	<2.0	810	4.9
	3-27-74	6	<2.1	650	0.7
	4-24-74	13	<2.0	880	4.7
	5-28-74	12	<1.4	510	4.6
	6-26-74	14	<2.0	820	5.1
Clitty Lake 6.0 mi. @ 342°	1-8-74	8	<2.0	560	3.8
	2-26-74	24	<2.0	250	5.3
	3-27-74	21	<2.0	570	5.3
	4-24-74	10	<2.0	380	2.1
	5-28-74	<3	2.4	240	2.1
	6-26-74	8	<1.9	620	1.9
Locke Lake 5.6 mi. @ 292°	1-8-74	11	<2.0	450	2.7
	2-26-74	11	<2.0	520	2.1
	3-27-74	12	<2.1	550	2.3
	4-24-74	14	<1.5	280	2.3
	5-28-74	5	<1.6	630	2.3
	6-20-74	8	<1.9	400	2.2
Mud Lake 5.8 mi. @ 142°	1-8-74	25	<2.2	420	3.1
	2-26-74	19	<2.1	370	3.8
	3-27-74	18	<2.0	580	3.4
	4-24-74	49	8.6	590	2.5
	5-28-74	14	<1.7	420	3.2
	6-20-74	16	<2.0	410	3.2

Revised 1-17-75

WELL WATER

1. Sample Location: 6 locations - See map #6.
2. Collection Period: Quarterly.
3. Radionuclides: Gross beta, gamma emitters, Tritium and Strontium-90.
4. Concentration: See table 11.
5. Background Values: 5 pCi gross beta/liter.
6. Analytical Method: See Appendix A.

AQUATIC VEGETATION

1. Sample Locations: River and lake sampling locations.
2. Collection Period: Quarterly.
3. Radionuclides: Gross beta, Cesium-137, other gamma emitters, and Strontium-90.
4. Concentration See table 13.
5. Background Values: 82 pCi Gross beta/gram.
6. Analytical Method: See Appendix A.
7. Remarks: Unsafe ice conditions precluded sampling during the first quarter.

Table 13

LAKE & RIVER AQUATIC VEGETATION

Sampling Location	Date of Collection	pCi/gram		
		Gross Beta	^{137}Cs	^{90}Sr
Bass Lake 48 mi. @ 108°	5-30-74	85	0.62	2.40
Bertram Lake 2.3 mi. @ 188°	5-29-74	54	<.32	0.89
Big Lake 4.4 mi. @ 84°	6-7-74	41	0.50	0.52
Clitty Lake 6.0 mi. @ 342°	6-7-74	81	4.70	3.60
Locke Lake 5.6 mi. @ 292°	6-7-74	57	0.79	0.90
Mud Lake 5.8 mi. @ 142°	6-7-74	109	<.41	0.72
Mississippi River Upstream of Plant	6-5-74	**	**	**
Mississippi River Downstream of Plant	6-5-74	**	**	**

**Sample lost in lab

Revised 1-17-75