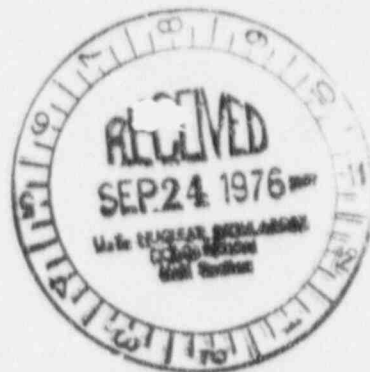


NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

September 15 1976



Mr D 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
Supplement 2

The attached document is supplement 2 to our Appendix I filing which was submitted on June 4, 1976.

Yours very truly,

L. O. Mayer

L O Mayer, PE
Manager, Nuclear Support Services

LOM/ECW/deb

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



9666

INTRODUCTION

This supplement includes the additional data committed by the Enclosure 1 Item 5 response in the June 4, 1976 filing.

ENCLOSURE 1

MONTICELLO

Item 5

Effluent Release Data from previous reactor operation should be provided if available, for use in evaluating the source term calculations. Such data should include at least one full year of effluent release data tabulated by effluent release point, month, mode of operation (e.g., full power operation, refueling shutdown), excluding the first year of reactor operation.

Response

Gaseous and liquid effluent release data have been summarized for the period July 1, 1975 through June 30, 1976, and are presented in the following described Tables:

Table 1.5-1

100-Meter Plant Stack Releases

Effluents from this release point consist of releases from the condenser offgas treatment system, the turbine gland seal system, and stack dilution air. Stack dilution air is normally supplied from the air ejector pipe tunnel and the Compressed Gas Storage Building. During Standby Gas Treatment operation, dilution air also includes a contribution from this system. All containment purges are processed by the Standby Gas Treatment System.

Table 1.5-2

Reactor Building Vent Releases

Included in the effluents from this release point are ventilation exhaust air from the Reactor Building, the Turbine Building, and the Radwaste Building.

Table 1.5-3

Liquid Waste Released

As noted in this Table, there were no liquid releases during the period July 1, 1975 through June 30, 1976

This Supplement No 2, consisting mainly of additional data, is formatted to replace the information presented on Pages 1-3, 1-4, and 1-5 of the June 4, 1976 submittal.

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 100 METER PLANT STACK

	JUL 75			AUG 75			SEP 75		
	POWER	OP	REFUEL	POWER	OP	REFUEL	POWER	OP	REFUEL
A. NOBLE GASES (CI)									
XE133	1.49E 04	0.0	1.49E 04	1.54E 04	0.0	1.54E 04	5.72E 03	2.87E 03	8.59E 03
XE135	9.83E-04	0.0	9.83E-04	1.29E-03	0.0	1.29E-03	3.84E-04	2.48E-04	6.32E-04
KR85M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KR88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KR87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XE138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KR90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XE139	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KR89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XE137	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XE135M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KR83M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XE133M	6.40E 01	0.0	6.40E 01	7.17E 01	0.0	7.17E 01	2.33E 01	1.23E 01	3.56E 01
XE131M	6.45E 01	0.0	6.45E 01	1.03E 02	0.0	1.03E 02	3.32E 01	1.68E 01	5.00E 01
KR85	2.98E 03	0.0	2.98E 03	3.08E 03	0.0	3.08E 03	9.53E 02	4.56E 02	1.41E 03
TOTAL	1.80E 04	0.0	1.80E 04	1.87E 04	0.0	1.87E 04	6.73E 03	3.36E 03	1.01E 04
C. IODINES (CI)									
I-131	8.66E-02	0.0	8.66E-02	6.72E-02	0.0	6.72E-02	8.16E-02	2.40E-01	3.21E-01
I-133	1.52E-01	0.0	1.52E-01	1.40E-01	0.0	1.40E-01	2.60E-02	2.73E-02	5.33E-02
I-135	9.69E-02	0.0	9.69E-02	7.12E-02	0.0	7.12E-02	7.60E-03	6.91E-03	1.45E-02
D. GT 8 DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	9.58E-05	0.0	9.58E-05	1.15E-04	0.0	1.15E-04	2.10E-05	8.09E-05	1.02E-04
CE141	3.13E-06	0.0	3.13E-06	3.33E-06	0.0	3.33E-06	1.65E-06	0.0	1.65E-06
BA140	1.82E-03	0.0	1.82E-03	2.49E-03	0.0	2.49E-03	4.42E-04	5.05E-05	4.92E-04
CS137	2.65E-05	0.0	2.65E-05	4.15E-05	0.0	4.15E-05	1.07E-05	1.02E-02	1.02E-02
CS136	0.0	0.0	0.0	0.0	0.0	0.0	5.75E-07	8.64E-04	8.64E-04
CS134	4.64E-06	0.0	4.64E-06	3.20E-06	0.0	3.20E-06	2.34E-06	9.10E-03	9.10E-03
SB126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.07E-06	7.07E-06
SB124	9.80E-07	0.0	9.80E-07	0.0	0.0	0.0	9.48E-07	3.83E-06	4.78E-06
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0	4.30E-07	5.74E-07	1.00E-06
ZR95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.78E-06	6.78E-06
NB95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26E-05	1.26E-05
SR90	7.30E-05	0.0	7.30E-05	3.72E-04	0.0	3.72E-04	1.20E-04	2.16E-04	3.36E-04
SR89	9.79E-04	0.0	9.79E-04	1.36E-03	0.0	1.36E-03	4.37E-04	7.88E-04	1.23E-03
ZN65	1.89E-06	0.0	1.89E-06	5.76E-06	0.0	5.76E-06	3.19E-06	2.32E-05	2.64E-05
CO60	1.97E-06	0.0	1.97E-06	4.81E-06	0.0	4.81E-06	5.58E-07	0.0	5.58E-07
FE59	0.0	0.0	0.0	0.0	0.0	0.0	2.32E-06	3.10E-06	5.42E-06
CO58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO57	8.84E-07	0.0	8.84E-07	2.23E-06	0.0	2.23E-06	5.13E-07	0.0	5.13E-07
MN54	4.94E-06	0.0	4.94E-06	0.0	0.0	0.0	2.24E-07	1.68E-05	1.71E-05
CR51	0.0	0.0	0.0	0.0	0.0	0.0	2.62E-06	3.49E-06	6.11E-06
TOTAL	3.01E-03	0.0	3.01E-03	4.40E-03	0.0	4.40E-03	1.05E-03	2.14E-02	2.24E-02
E. TRITIUM (CI)	1.73E 00	0.0	1.73E 00	6.26E-01	0.0	6.26E-01	2.64E-01	5.27E-01	7.91E-01
F. GROSS ALPHA (CI)	1.91E-07	0.0	1.91E-07	1.07E-07	0.0	1.07E-07	2.53E-07	2.80E-06	3.05E-06

TABLE 1.5-1

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 100 METER PLANT STACK

TABLE 1.5-1 (continued)

	OCT 75			NOV 75			DEC 75		
	POWER	OP	TOTAL	POWER	OP	TOTAL	POWER	OP	TOTAL
A. NOBLE GASES (CI)									
XE133	0.0	8.76E	01 8.76E 01	4.40E	01 6.67E	01 1.11E 02	7.85E	01 0.0	7.85E 01
XE135	0.0	0.0	0.0	6.90E	00 3.36E	00 1.03E 01	9.58E	00 0.0	9.58E 00
KR85M	0.0	0.0	0.0	8.14E	01 3.88E	01 1.20E 00	1.17E	00 0.0	1.17E 00
KR88	0.0	0.0	0.0	3.12E	00 1.50E	00 4.62E 00	4.23E	00 0.0	4.23E 00
KR87	0.0	0.0	0.0	4.85E	00 2.36E	00 7.21E 00	8.26E	00 0.0	8.26E 00
XE138	0.0	0.0	0.0	6.05E	01 5.52E	00 6.60E 01	1.87E	02 0.0	1.87E 02
KR90	0.0	0.0	0.0	2.01E	00 4.67E	01 2.48E 00	5.73E	00 0.0	5.73E 00
XE139	0.0	0.0	0.0	6.12E	00 1.50E	00 7.62E 00	1.70E	01 0.0	1.70E 01
KR89	0.0	0.0	0.0	7.60E	01 2.67E	01 1.03E 02	1.67E	02 0.0	1.67E 02
XE137	0.0	0.0	0.0	1.03E	02 3.79E	01 1.41E 02	2.17E	02 0.0	2.17E 02
XE135M	0.0	0.0	0.0	8.45E	00 4.07E	00 1.25E 01	1.25E	01 0.0	1.25E 01
KR83M	0.0	0.0	0.0	2.08E	00 1.28E	00 3.35E 00	1.57E	00 0.0	1.57E 00
XE133M	0.0	0.0	0.0	1.72E	00 1.24E	00 2.96E 00	3.77E	01 0.0	3.77E 01
XE131M	0.0	0.0	0.0	2.55E	00 1.88E	00 4.43E 00	4.79E	01 0.0	4.79E 01
KR85	0.0	0.0	0.0	2.49E	02 1.20E	02 3.69E 02	3.62E	02 0.0	3.62E 02
TOTAL	0.0	8.76E	01 8.76E 01	5.71E	02 2.75E	02 8.46E 02	1.07E	03 0.0	1.07E 03
C. IODINES (CI)									
I-131	0.0	2.48E	03 2.48E 03	8.69E	04 1.92E	04 1.06E 03	1.55E	03 0.0	1.55E 03
I-133	0.0	1.02E	05 1.02E 05	6.39E	03 2.07E	03 8.47E 03	7.21E	03 0.0	7.21E 03
I-135	0.0	0.0	0.0	4.67E	03 1.37E	03 6.05E 03	2.48E	03 0.0	2.48E 03
D. GT B DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	5.47E	06 5.47E 06	3.07E	05 1.20E	05 4.27E 05	6.24E	05 0.0	6.24E 05
CE141	0.0	9.58E	07 9.58E 07	1.03E	06 9.86E	07 2.01E 06	6.35E	07 0.0	6.35E 07
BA140	0.0	2.07E	06 2.07E 06	5.60E	04 1.02E	04 6.62E 04	1.43E	03 0.0	1.43E 03
CS137	0.0	1.44E	04 1.44E 04	3.53E	05 4.24E	05 7.76E 05	2.27E	05 0.0	2.27E 05
CS136	0.0	4.53E	06 4.53E 06	1.36E	04 2.27E	05 1.58E 04	3.46E	04 0.0	3.46E 04
CS134	0.0	1.13E	04 1.13E 04	2.06E	05 2.89E	05 4.95E 05	1.71E	06 0.0	1.71E 06
SB126	0.0	4.44E	07 4.44E 07	0.0	7.27E	07 7.27E 07	0.0	0.0	0.0
SB124	0.0	0.0	0.0	2.16E	05 1.64E	05 3.80E 05	1.81E	06 0.0	1.81E 06
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	1.35E	07 1.35E 07	0.0	5.20E	07 5.20E 07	0.0	0.0	0.0
ZR95	0.0	1.50E	06 1.50E 06	0.0	1.07E	06 1.07E 06	0.0	0.0	0.0
NB95	0.0	2.36E	06 2.36E 06	5.88E	06 5.89E	06 1.18E 05	0.0	0.0	0.0
SR90	0.0	1.69E	06 1.69E 06	4.87E	07 9.75E	07 1.46E 06	8.69E	06 0.0	8.69E 06
SR89	0.0	1.44E	05 1.44E 05	2.90E	06 6.81E	06 9.71E 06	9.86E	05 0.0	9.86E 05
ZN65	0.0	6.26E	07 6.26E 07	0.0	1.01E	06 1.01E 06	0.0	0.0	0.0
CU60	0.0	1.92E	06 1.92E 06	0.0	3.76E	07 3.76E 07	0.0	0.0	0.0
FE59	0.0	4.19E	07 4.19E 07	0.0	1.40E	06 1.40E 06	0.0	0.0	0.0
CU58	0.0	0.0	0.0	0.0	6.45E	07 6.45E 07	0.0	0.0	0.0
CU57	0.0	3.56E	07 3.56E 07	4.76E	07 2.09E	07 6.85E 07	0.0	0.0	0.0
MN54	0.0	6.37E	06 6.37E 06	1.25E	06 3.17E	06 4.42E 06	4.59E	06 0.0	4.59E 06
CR51	0.0	1.15E	06 1.15E 06	0.0	6.10E	07 6.10E 07	0.0	0.0	0.0
TOTAL	0.0	3.02E	04 3.02E 04	8.15E	04 2.49E	04 1.06E 03	1.98E	03 0.0	1.98E 03
E. TRITIUM (CI)									
	0.0	2.96E	01 2.96E 01	3.04E	02 5.96E	02 9.00E 02	2.95E	02 0.0	2.95E 02
F. GROSS ALPHA (CI)									
	0.0	2.83E	07 2.83E 07	2.33E	07 3.56E	07 5.89E 07	2.10E	07 0.0	2.10E 07

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 100 METER PLANT STACK

TABLE 1.5-1 (continued)

	JAN 76			FEB 76			MAR 76		
	POWER	OP	TOTAL	POWER	OP	TOTAL	POWER	OP	TOTAL
A. NOBLE GASES (CI)									
XE133	8.79E	01	0.0	8.79E	01	0.0	6.54E	01	0.0
XE135	8.35E	00	0.0	8.35E	00	0.0	6.28E	00	0.0
KR85M	9.79E	-01	0.0	9.79E	-01	0.0	7.54E	-01	0.0
KR88	3.44E	00	0.0	3.44E	00	0.0	2.64E	00	0.0
KR87	6.01E	00	0.0	6.01E	00	0.0	4.83E	00	0.0
XE138	1.77E	02	0.0	1.77E	02	0.0	1.31E	02	0.0
KR90	4.67E	00	0.0	4.67E	00	0.0	3.90E	00	0.0
XE139	1.39E	01	0.0	1.39E	01	0.0	1.16E	01	0.0
KR89	1.36E	02	0.0	1.36E	02	0.0	1.14E	02	0.0
XE137	1.78E	02	0.0	1.78E	02	0.0	1.48E	02	0.0
XE135M	1.02E	01	0.0	1.02E	01	0.0	8.50E	00	0.0
KR83M	1.31E	00	0.0	1.31E	00	0.0	1.07E	00	0.0
XE133M	3.92E	-01	0.0	3.92E	-01	0.0	3.06E	-01	0.0
XE131M	6.60E	-01	0.0	6.60E	-01	0.0	5.19E	-01	0.0
KR85	3.11E	02	0.0	3.11E	02	0.0	2.41E	02	0.0
TOTAL	9.39E	02	0.0	9.39E	02	0.0	7.39E	02	0.0
C. IODINES (CI)									
I-131	1.46E	-03	0.0	1.46E	-03	0.0	1.47E	-03	0.0
I-133	8.15E	-03	0.0	8.15E	-03	0.0	1.11E	-02	0.0
I-135	2.32E	-03	0.0	2.32E	-03	0.0	3.70E	-03	0.0
D. GF 8 DAY PART (CI)									
NO147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	5.03E	-05	0.0	5.03E	-05	0.0	4.63E	-05	0.0
CE141	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BA140	1.37E	-03	0.0	1.37E	-03	0.0	9.43E	-04	0.0
CS137	1.44E	-05	0.0	1.44E	-05	0.0	1.01E	-05	0.0
CS136	3.46E	-04	0.0	3.46E	-04	0.0	1.35E	-04	0.0
CS134	0.0	0.0	0.0	0.0	0.0	0.0	1.27E	-06	0.0
SB126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB124	0.0	0.0	0.0	0.0	0.0	0.0	1.33E	-06	0.0
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZR95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NB95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SR90	2.44E	-05	0.0	2.44E	-05	0.0	1.14E	-05	0.0
SR89	2.94E	-04	0.0	2.94E	-04	0.0	5.09E	-04	0.0
ZN65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FE59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO57	7.26E	-06	0.0	7.26E	-06	0.0	0.0	0.0	0.0
MN54	9.57E	-07	0.0	9.57E	-07	0.0	4.67E	-07	0.0
CR51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	2.11E	-03	0.0	2.11E	-03	0.0	1.66E	-03	0.0
E. TRITIUM (CI)									
	1.02E	-01	0.0	1.02E	-01	0.0	1.15E	-01	0.0
F. GROSS ALPHA (CI)									
	1.34E	-07	0.0	1.34E	-07	0.0	8.59E	-08	0.0

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 100 METER PLANT STACK

TABLE 1.5-1 (continued)

	APR 76			MAY 76			JUN 76		
	POWER	OP	TOTAL	POWER	OP	TOTAL	POWER	OP	TOTAL
A. NOBLE GASES (CI)									
XE133	7.23E 01	0.0	7.23E 01	8.36E 01	0.0	8.36E 01	7.85E 01	0.0	7.85E 01
XE135	5.91E 00	0.0	5.91E 00	6.85E 00	0.0	6.85E 00	6.87E 00	0.0	6.87E 00
KR85M	6.96E-01	0.0	6.96E-01	7.62E-01	0.0	7.62E-01	8.11E-01	0.0	8.11E-01
KR88	2.40E 00	0.0	2.40E 00	2.62E 00	0.0	2.62E 00	2.76E 00	0.0	2.76E 00
KR87	4.29E 00	0.0	4.29E 00	5.39E 00	0.0	5.39E 00	5.54E 00	0.0	5.54E 00
XE138	1.19E 02	0.0	1.19E 02	1.49E 02	0.0	1.49E 02	1.40E 02	0.0	1.40E 02
KR90	3.44E 00	0.0	3.44E 00	4.20E 00	0.0	4.20E 00	3.97E 00	0.0	3.97E 00
XE139	1.02E 01	0.0	1.02E 01	1.25E 01	0.0	1.25E 01	1.18E 01	0.0	1.18E 01
KR89	1.00E 02	0.0	1.00E 02	1.22E 02	0.0	1.22E 02	1.15E 02	0.0	1.15E 02
XE137	1.31E 02	0.0	1.31E 02	1.59E 02	0.0	1.59E 02	1.50E 02	0.0	1.50E 02
XE135M	7.52E 00	0.0	7.52E 00	9.16E 00	0.0	9.16E 00	8.64E 00	0.0	8.64E 00
KR83M	9.58E-01	0.0	9.58E-01	1.16E 00	0.0	1.16E 00	1.09E 00	0.0	1.09E 00
XE133M	3.04E-01	0.0	3.04E-01	3.43E-01	0.0	3.43E-01	3.36E-01	0.0	3.36E-01
XE131M	5.62E-01	0.0	5.62E-01	6.02E-01	0.0	6.02E-01	6.18E-01	0.0	6.18E-01
KR85	2.25E 02	0.0	2.25E 02	2.45E 02	0.0	2.45E 02	2.62E 02	0.0	2.62E 02
TOTAL	6.83E 02	0.0	6.83E 02	8.04E 02	0.0	8.04E 02	7.88E 02	0.0	7.88E 02
C. IODINES (CI)									
I-131	1.65E-03	0.0	1.65E-03	6.70E-03	0.0	6.70E-03	2.19E-03	0.0	2.19E-03
I-133	8.68E-03	0.0	8.68E-03	1.89E-02	0.0	1.89E-02	6.56E-03	0.0	6.56E-03
I-135	3.74E-03	0.0	3.74E-03	2.42E-03	0.0	2.42E-03	2.30E-03	0.0	2.30E-03
D. GT 8 DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	1.92E-05	0.0	1.92E-05	1.58E-05	0.0	1.58E-05	1.59E-05	0.0	1.59E-05
CE141	0.0	0.0	0.0	2.00E-06	0.0	2.00E-06	4.92E-07	0.0	4.92E-07
140	7.18E-04	0.0	7.18E-04	8.47E-04	0.0	8.47E-04	8.13E-04	0.0	8.13E-04
CS137	8.67E-06	0.0	8.67E-06	3.98E-05	0.0	3.98E-05	3.25E-05	0.0	3.25E-05
CS136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CS134	0.0	0.0	0.0	2.12E-05	0.0	2.12E-05	1.27E-05	0.0	1.27E-05
SB126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB124	0.0	0.0	0.0	0.0	0.0	0.0	1.33E-05	0.0	1.33E-05
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZR95	0.0	0.0	0.0	2.36E-06	0.0	2.36E-06	0.0	0.0	0.0
NB95	0.0	0.0	0.0	2.24E-06	0.0	2.24E-06	0.0	0.0	0.0
SR90	1.35E-05	0.0	1.35E-05	7.36E-05	0.0	7.36E-05	5.33E-05	0.0	5.33E-05
SR89	4.92E-04	0.0	4.92E-04	2.46E-04	0.0	2.46E-04	2.05E-04	0.0	2.05E-04
ZN65	0.0	0.0	0.0	1.21E-06	0.0	1.21E-06	0.0	0.0	0.0
CO60	8.47E-07	0.0	8.47E-07	1.03E-06	0.0	1.03E-06	0.0	0.0	0.0
FE59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	1.94E-05	0.0	1.94E-05	0.0	0.0	0.0
CO57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MN54	6.78E-07	0.0	6.78E-07	0.0	0.0	0.0	0.0	0.0	0.0
CR51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.25E-03	0.0	1.25E-03	1.27E-03	0.0	1.27E-03	1.15E-03	0.0	1.15E-03
E. TRITIUM (CI)									
	2.48E-01	0.0	2.48E-01	6.25E-01	0.0	6.25E-01	2.15E-01	0.0	2.15E-01
F. GROSS ALPHA (CI)									
	7.39E-08	0.0	7.39E-08	1.04E-07	0.0	1.04E-07	2.66E-07	0.0	2.66E-07

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 140 FT REACTOR BUILDING VENT

TABLE 1.5-2

	JUL 75			AUG 75			SEP 75		
	POWER	UP	TOTAL	POWER	UP	TOTAL	POWER	UP	TOTAL
A. NOBLE GASES (CI)									
XE133	1.25E	01	0.0	1.25E	01	0.0	1.19E	01	1.19E
XE135	3.78E	01	0.0	3.78E	01	0.0	4.45E	01	4.45E
KR85M	6.78E	00	0.0	6.78E	00	0.0	8.24E	00	8.24E
KR88	1.53E	01	0.0	1.53E	01	0.0	1.89E	01	1.89E
KR87	2.88E	01	0.0	2.88E	01	0.0	2.90E	01	2.90E
XE138	4.07E	02	0.0	4.07E	02	0.0	5.73E	02	5.73E
KR90	1.58E	01	0.0	1.58E	01	0.0	1.89E	01	1.89E
XE139	4.69E	01	0.0	4.69E	01	0.0	5.62E	01	5.62E
KR89	4.63E	02	0.0	4.63E	02	0.0	5.55E	02	5.55E
XE137	6.04E	02	0.0	6.04E	02	0.0	1.09E	03	1.09E
XE135M	3.05E	01	0.0	3.05E	01	0.0	4.28E	01	4.28E
KR83M	5.38E	00	0.0	5.38E	00	0.0	6.32E	00	6.32E
XE133M	3.77E	01	0.0	3.77E	01	0.0	3.75E	01	3.75E
XE131M	3.55E	02	0.0	3.55E	02	0.0	3.43E	02	3.43E
KR85	5.51E	01	0.0	5.51E	01	0.0	5.16E	01	5.16E
TOTAL	1.67E	03	0.0	1.67E	03	0.0	2.45E	03	2.45E
C. IODINES (CI)									
I-131	6.51E	01	0.0	6.51E	01	0.0	5.11E	01	5.11E
I-133	1.61E	00	0.0	1.61E	00	0.0	1.39E	00	1.39E
I-135	9.51E	01	0.0	9.51E	01	0.0	8.27E	01	8.27E
D. GT 8 DAY PART (CI)									
NU147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	0.0	0.0	1.69E	04	0.0	1.69E	04	1.69E
CE141	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BA140	1.29E	02	0.0	1.29E	02	0.0	9.50E	03	9.50E
CS137	7.93E	03	0.0	7.93E	03	0.0	2.61E	03	2.61E
CS136	0.0	0.0	0.0	0.0	0.0	0.0	1.70E	04	1.70E
CS134	6.70E	03	0.0	6.70E	03	0.0	2.25E	03	2.25E
SB126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB124	9.50E	06	0.0	9.50E	06	0.0	1.14E	05	1.14E
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	2.18E	04	0.0	2.18E	04	0.0	1.08E	03	1.08E
ZR95	5.03E	04	0.0	5.03E	04	0.0	1.68E	03	1.68E
NB95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SR90	8.12E	04	0.0	8.12E	04	0.0	4.42E	04	4.42E
SR89	4.03E	03	0.0	4.03E	03	0.0	1.24E	03	1.24E
ZN65	1.49E	03	0.0	1.49E	03	0.0	3.63E	04	3.63E
CO60	3.41E	04	0.0	3.41E	04	0.0	1.87E	04	1.87E
FE59	1.52E	05	0.0	1.52E	05	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MN54	7.12E	05	0.0	7.12E	05	0.0	7.09E	05	7.09E
CR51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.50E	02	0.0	3.50E	02	0.0	1.98E	02	1.98E
E. TRITIUM (CI)									
	2.08E	00	0.0	2.08E	00	0.0	4.83E	00	4.83E
F. GROSS ALPHA (CI)									
	2.57E	04	0.0	2.57E	04	0.0	1.24E	04	1.24E

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 140 FT REACTOR BUILDING VENT

TABLE 1.5-2 (continued)

	OCT 75			NOV 75			DEC 75		
	POWER OP	REFUEL	TOTAL	POWER OP	REFUEL	TOTAL	POWER OP	REFUEL	TOTAL
A. MOBILE GASES (CI)									
XE133	0.0	2.03E-02	2.03E-02	2.06E-02	1.25E-02	1.25E-02	1.79E-01	0.0	1.79E-01
XE135	0.0	0.0	0.0	1.87E-00	7.96E-01	2.67E-00	4.57E-00	0.0	4.57E-00
KR85M	0.0	0.0	0.0	2.22E-01	9.18E-02	3.14E-01	5.51E-01	0.0	5.51E-01
KR88	0.0	0.0	0.0	8.49E-01	3.54E-01	1.20E-00	2.02E-00	0.0	2.02E-00
KR87	0.0	0.0	0.0	1.32E-00	5.60E-01	1.88E-00	3.86E-00	0.0	3.86E-00
XE138	0.0	0.0	0.0	1.95E-01	1.31E-00	2.08E-01	8.64E-01	0.0	8.64E-01
KR90	0.0	0.0	0.0	6.12E-01	1.11E-01	7.23E-01	2.64E-00	0.0	2.64E-00
XE139	0.0	0.0	0.0	1.85E-00	3.54E-01	2.21E-00	7.85E-00	0.0	7.85E-00
KR89	0.0	0.0	0.0	2.20E-01	6.34E-00	2.83E-01	7.71E-01	0.0	7.71E-01
XE137	0.0	0.0	0.0	2.97E-01	9.01E-00	3.87E-01	1.00E-02	0.0	1.00E-02
XE135M	0.0	0.0	0.0	2.30E-00	9.67E-01	3.26E-00	5.78E-00	0.0	5.78E-00
KR83M	0.0	0.0	0.0	5.29E-01	3.03E-01	8.31E-01	7.34E-01	0.0	7.34E-01
XE133M	0.0	0.0	0.0	2.43E-02	1.72E-02	4.14E-02	1.06E-02	0.0	1.06E-02
XE131M	0.0	0.0	0.0	1.09E-03	8.00E-04	1.90E-03	4.04E-04	0.0	4.04E-04
KR85	0.0	0.0	0.0	1.63E-03	9.93E-04	2.62E-03	4.84E-03	0.0	4.84E-03
TOTAL	0.0	2.03E-02	2.03E-02	8.08E-01	1.45E-02	2.26E-02	2.92E-02	0.0	2.92E-02
C. IODINES (CI)									
I-131	0.0	3.04E-02	3.04E-02	1.72E-03	6.83E-04	2.40E-03	7.21E-03	0.0	7.21E-03
I-133	0.0	0.0	0.0	6.39E-03	2.07E-03	9.47E-03	4.81E-02	0.0	4.81E-02
I-135	0.0	0.0	0.0	4.67E-03	1.37E-03	6.05E-03	1.91E-02	0.0	1.91E-02
D. GT 8 DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	2.52E-03	2.52E-03	0.0	1.01E-04	1.01E-04	0.0	0.0	0.0
CE141	0.0	7.67E-04	7.67E-04	0.0	3.66E-05	3.66E-05	0.0	0.0	0.0
BA140	0.0	2.29E-04	2.29E-04	0.0	1.80E-05	1.80E-05	0.0	0.0	0.0
CS137	0.0	1.60E-03	1.60E-03	1.78E-04	3.15E-04	4.93E-04	2.69E-04	0.0	2.69E-04
CS136	0.0	1.14E-04	1.14E-04	7.82E-05	1.98E-05	9.80E-05	2.37E-04	0.0	2.37E-04
CS134	0.0	1.21E-03	1.21E-03	1.10E-04	1.94E-04	3.04E-04	1.60E-04	0.0	1.60E-04
SB126	0.0	2.29E-05	2.29E-05	0.0	7.01E-06	7.01E-06	0.0	0.0	0.0
SB124	0.0	7.05E-06	7.05E-06	1.15E-04	9.67E-05	2.12E-04	1.67E-04	0.0	1.67E-04
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	4.97E-03	4.97E-03	0.0	1.63E-05	1.63E-05	0.0	0.0	0.0
ZR95	0.0	1.01E-03	1.01E-03	0.0	5.36E-05	5.36E-05	0.0	0.0	0.0
NB95	0.0	2.30E-03	2.30E-03	1.22E-05	1.31E-04	1.43E-04	7.34E-06	0.0	7.34E-06
SR90	0.0	2.18E-04	2.18E-04	2.04E-05	4.74E-05	6.78E-05	3.40E-05	0.0	3.40E-05
SR89	0.0	1.01E-03	1.01E-03	2.12E-05	5.04E-05	7.16E-05	7.83E-05	0.0	7.83E-05
ZM65	0.0	5.27E-04	5.27E-04	0.0	2.39E-05	2.39E-05	8.40E-06	0.0	8.40E-06
CO60	0.0	6.25E-04	6.25E-04	3.42E-05	1.39E-04	1.74E-04	2.33E-05	0.0	2.33E-05
FE59	0.0	2.96E-05	2.96E-05	0.0	1.84E-05	1.84E-05	0.0	0.0	0.0
CO58	0.0	7.74E-05	7.74E-05	0.0	1.94E-05	1.94E-05	0.0	0.0	0.0
CO57	0.0	1.11E-05	1.11E-05	6.95E-05	2.14E-05	9.09E-05	1.37E-04	0.0	1.37E-04
MN54	0.0	9.52E-05	9.52E-05	3.04E-05	5.50E-05	8.54E-05	1.10E-04	0.0	1.10E-04
CR51	0.0	0.0	0.0	0.0	3.05E-06	3.05E-06	0.0	0.0	0.0
TOTAL	0.0	1.73E-02	1.73E-02	6.69E-04	1.37E-03	2.04E-03	1.23E-03	0.0	1.23E-03
E. TRITIUM (CI)									
	0.0	4.92E-00	4.92E-00	6.27E-01	1.25E-00	1.88E-00	1.00E-00	0.0	1.00E-00
F. GROSS ALPHA (CI)									
	0.0	1.90E-04	1.90E-04	2.60E-06	9.56E-06	1.22E-05	7.81E-06	0.0	7.81E-06

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 140 FT REACTOR BUILDING VENT

TABLE 1.5-2 (continued)

	JAN 76			FEB 76			MAR 76		
	POWER OP	REFUEL	TOTAL	POWER OP	REFUEL	TOTAL	POWER OP	REFUEL	TOTAL
A. NOBLE GASES (CI)									
XE133	3.21E-01	0.0	3.21E-01	2.13E-01	0.0	2.13E-01	2.57E-01	0.0	2.57E-01
XE135	6.32E-00	0.0	6.32E-00	4.37E-00	0.0	4.37E-00	5.19E-00	0.0	5.19E-00
KR85M	7.34E-01	0.0	7.34E-01	4.82E-01	0.0	4.82E-01	6.24E-01	0.0	6.24E-01
KR88	2.56E-00	0.0	2.56E-00	1.66E-00	0.0	1.66E-00	2.19E-00	0.0	2.19E-00
KR87	4.35E-00	0.0	4.35E-00	3.21E-00	0.0	3.21E-00	4.04E-00	0.0	4.04E-00
XE138	1.29E-02	0.0	1.29E-02	8.82E-01	0.0	8.82E-01	1.08E-02	0.0	1.08E-02
KR90	3.46E-00	0.0	3.46E-00	2.62E-00	0.0	2.62E-00	3.24E-00	0.0	3.24E-00
XE139	1.03E-01	0.0	1.03E-01	7.78E-00	0.0	7.78E-00	9.61E-00	0.0	9.61E-00
KR89	1.01E-02	0.0	1.01E-02	7.62E-01	0.0	7.62E-01	9.42E-01	0.0	9.42E-01
XE137	1.32E-02	0.0	1.32E-02	9.92E-01	0.0	9.92E-01	1.23E-02	0.0	1.23E-02
XE135M	7.60E-00	0.0	7.60E-00	5.70E-00	0.0	5.70E-00	7.04E-00	0.0	7.04E-00
KR83M	9.75E-01	0.0	9.75E-01	7.17E-01	0.0	7.17E-01	8.89E-01	0.0	8.89E-01
XE133M	1.71E-02	0.0	1.71E-02	1.17E-02	0.0	1.17E-02	1.48E-02	0.0	1.48E-02
XE131M	8.66E-04	0.0	8.66E-04	5.88E-04	0.0	5.88E-04	7.71E-04	0.0	7.71E-04
KR85	1.17E-02	0.0	1.17E-02	8.39E-03	0.0	8.39E-03	1.11E-02	0.0	1.11E-02
TOTAL	3.99E-02	0.0	3.99E-02	2.90E-02	0.0	2.90E-02	3.58E-02	0.0	3.58E-02
C. IODINES (CI)									
I-131	4.38E-03	0.0	4.38E-03	1.04E-02	0.0	1.04E-02	4.54E-03	0.0	4.54E-03
I-133	2.98E-02	0.0	2.98E-02	5.61E-02	0.0	5.61E-02	3.73E-02	0.0	3.73E-02
I-135	8.40E-03	0.0	8.40E-03	7.29E-02	0.0	7.29E-02	1.30E-02	0.0	1.30E-02
D. GT 8 DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CE141	3.95E-04	0.0	3.95E-04	2.43E-04	0.0	2.43E-04	6.11E-04	0.0	6.11E-04
BA140	0.0	0.0	0.0	9.43E-04	0.0	9.43E-04	0.0	0.0	0.0
CS137	2.24E-04	0.0	2.24E-04	2.29E-04	0.0	2.29E-04	1.49E-04	0.0	1.49E-04
CS136	1.78E-04	0.0	1.78E-04	9.19E-04	0.0	9.19E-04	5.81E-05	0.0	5.81E-05
CS134	1.21E-04	0.0	1.21E-04	1.89E-04	0.0	1.89E-04	1.06E-04	0.0	1.06E-04
SB126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB124	1.26E-04	0.0	1.26E-04	1.92E-04	0.0	1.92E-04	1.33E-04	0.0	1.33E-04
AG110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZR95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NB95	3.19E-06	0.0	3.19E-06	0.0	0.0	0.0	0.0	0.0	0.0
SR90	8.84E-06	0.0	8.84E-06	2.32E-05	0.0	2.32E-05	6.29E-05	0.0	6.29E-05
SR89	1.45E-04	0.0	1.45E-04	1.09E-04	0.0	1.09E-04	4.99E-05	0.0	4.99E-05
ZN65	1.12E-05	0.0	1.12E-05	0.0	0.0	0.0	0.0	0.0	0.0
CO60	6.98E-06	0.0	6.98E-06	0.0	0.0	0.0	3.34E-05	0.0	3.34E-05
FE59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO57	1.50E-05	0.0	1.50E-05	0.0	0.0	0.0	1.69E-05	0.0	1.69E-05
MN54	9.13E-05	0.0	9.13E-05	6.46E-05	0.0	6.46E-05	8.98E-05	0.0	8.98E-05
CR51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.33E-03	0.0	1.33E-03	2.91E-03	0.0	2.91E-03	1.31E-03	0.0	1.31E-03
E. TRITIUM (CI)									
	2.40E-00	0.0	2.40E-00	4.54E-00	0.0	4.54E-00	1.01E-00	0.0	1.01E-00
F. GROSS ALPHA (CI)									
	4.13E-06	0.0	4.13E-06	3.52E-06	0.0	3.52E-06	3.62E-06	0.0	3.62E-06

MONTICELLO NUCLEAR GENERATING PLANT
GASEOUS RELEASES - 140 FT REACTOR BUILDING VENT

TABLE 1.5-2 (continued)

	APR 76			MAY 76			JUN 76		
	POWER	OP	TOTAL	POWER	OP	TOTAL	POWER	OP	TOTAL
A. NOBLE GASES (CI)									
XE133	2.12E-01	0.0	2.12E-01	1.87E-01	0.0	1.87E-01	1.90E-01	0.0	1.90E-01
XE135	3.63E 00	0.0	3.63E 00	3.17E 00	0.0	3.17E 00	3.45E 00	0.0	3.45E 00
KR85M	4.29E-01	0.0	4.29E-01	3.55E-01	0.0	3.55E-01	4.07E-01	0.0	4.07E-01
KR88	1.48E 00	0.0	1.48E 00	1.22E 00	0.0	1.22E 00	1.38E 00	0.0	1.38E 00
KR87	2.63E 00	0.0	2.63E 00	2.50E 00	0.0	2.50E 00	2.77E 00	0.0	2.77E 00
XE138	7.25E 01	0.0	7.25E 01	6.84E 01	0.0	6.84E 01	6.98E 01	0.0	6.98E 01
KR90	2.10E 00	0.0	2.10E 00	1.93E 00	0.0	1.93E 00	1.98E 00	0.0	1.98E 00
XE139	6.25E 00	0.0	6.25E 00	5.74E 00	0.0	5.74E 00	5.88E 00	0.0	5.88E 00
KR89	6.12E 01	0.0	6.12E 01	5.62E 01	0.0	5.62E 01	5.76E 01	0.0	5.76E 01
XE137	7.98E 01	0.0	7.98E 01	7.33E 01	0.0	7.33E 01	7.51E 01	0.0	7.51E 01
XE135M	4.59E 00	0.0	4.59E 00	4.21E 00	0.0	4.21E 00	4.31E 00	0.0	4.31E 00
KR83M	5.85E-01	0.0	5.85E-01	5.33E-01	0.0	5.33E-01	5.46E-01	0.0	5.46E-01
XE133M	1.07E-02	0.0	1.07E-02	9.24E-03	0.0	9.24E-03	9.80E-03	0.0	9.80E-03
XE131M	6.03E-04	0.0	6.03E-04	4.97E-04	0.0	4.97E-04	5.52E-04	0.0	5.52E-04
KR85	8.75E-03	0.0	8.75E-03	7.12E-03	0.0	7.12E-03	8.19E-03	0.0	8.19E-03
TOTAL	2.36E 02	0.0	2.36E 02	2.18E 02	0.0	2.18E 02	2.23E 02	0.0	2.23E 02
C. IODINES (CI)									
I-131	4.00E-03	0.0	4.00E-03	4.71E-03	0.0	4.71E-03	3.75E-03	0.0	3.75E-03
I-133	2.40E-02	0.0	2.40E-02	2.65E-02	0.0	2.65E-02	2.62E-02	0.0	2.62E-02
I-135	0.0	0.0	0.0	0.0	0.0	0.0	2.36E-03	0.0	2.36E-03
D. GT 8 DAY PART (CI)									
ND147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ce144	1.21E-04	0.0	1.21E-04	0.0	0.0	0.0	0.0	0.0	0.0
Ce141	5.62E-05	0.0	5.62E-05	2.42E-05	0.0	2.42E-05	0.0	0.0	0.0
Ba140	2.87E-03	0.0	2.87E-03	5.49E-04	0.0	5.49E-04	7.43E-04	0.0	7.43E-04
Cs137	1.35E-04	0.0	1.35E-04	1.70E-04	0.0	1.70E-04	1.34E-04	0.0	1.34E-04
Cs136	0.0	0.0	0.0	9.07E-06	0.0	9.07E-06	0.0	0.0	0.0
Cs134	9.31E-05	0.0	9.31E-05	6.52E-05	0.0	6.52E-05	3.48E-05	0.0	3.48E-05
Sr126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sr124	8.09E-05	0.0	8.09E-05	0.0	0.0	0.0	2.28E-05	0.0	2.28E-05
Ag110M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ru106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ru103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zr95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nb95	1.33E-05	0.0	1.33E-05	5.44E-06	0.0	5.44E-06	0.0	0.0	0.0
Sr90	6.65E-05	0.0	6.65E-05	2.83E-05	0.0	2.83E-05	1.81E-05	0.0	1.81E-05
Sr89	8.81E-05	0.0	8.81E-05	8.61E-05	0.0	8.61E-05	8.21E-05	0.0	8.21E-05
Zn65	0.0	0.0	0.0	1.81E-05	0.0	1.81E-05	0.0	0.0	0.0
Co60	6.22E-05	0.0	6.22E-05	7.01E-05	0.0	7.01E-05	3.51E-05	0.0	3.51E-05
Fe59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Co58	0.0	0.0	0.0	4.42E-06	0.0	4.42E-06	0.0	0.0	0.0
Co57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mn54	4.56E-05	0.0	4.56E-05	9.68E-06	0.0	9.68E-06	0.0	0.0	0.0
Cr51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.64E-03	0.0	3.64E-03	1.04E-03	0.0	1.04E-03	1.07E-03	0.0	1.07E-03
E. TRITIUM (CI)									
	2.87E 00	0.0	2.87E 00	2.10E 00	0.0	2.10E 00	2.11E 00	0.0	2.11E 00
F. GROSS ALPHA (CI)									
	2.89E-06	0.0	2.89E-06	2.42E-06	0.0	2.42E-06	1.03E-05	0.0	1.03E-05

TABLE 1.5-3

MONTICELLO NUCLEAR GENERATING PLANT
LIQUID WASTE RELEASED TO THE DISCHARGE CANAL

	JUL 75		AUG 75		SEP 75	
	POWER OP	TOTAL	POWER OP	TOTAL	POWER OP	TOTAL
A. NO. OF RELEASES	0.0	0.0	0.0	0.0	0.0	0.0
B. TOTAL VOLUME (GAL)	0.0	0.0	0.0	0.0	0.0	0.0
C. AVG REL TIME (HRS)	0.0	0.0	0.0	0.0	0.0	0.0
D. AVG DILUTION (CF5)						
E. GROSS ACTIVITY (CI)	0.0	0.0	0.0	0.0	0.0	0.0
F. FISSION/ACT PROD (CI)						
ND147	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	0.0	0.0	0.0	0.0	0.0
CE141	0.0	0.0	0.0	0.0	0.0	0.0
BA140	0.0	0.0	0.0	0.0	0.0	0.0
CS137	0.0	0.0	0.0	0.0	0.0	0.0
CS136	0.0	0.0	0.0	0.0	0.0	0.0
CS134	0.0	0.0	0.0	0.0	0.0	0.0
SB126	0.0	0.0	0.0	0.0	0.0	0.0
SB124	0.0	0.0	0.0	0.0	0.0	0.0
AG110M	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0
ZR95	0.0	0.0	0.0	0.0	0.0	0.0
N895	0.0	0.0	0.0	0.0	0.0	0.0
SR90	0.0	0.0	0.0	0.0	0.0	0.0
SR89	0.0	0.0	0.0	0.0	0.0	0.0
ZN65	0.0	0.0	0.0	0.0	0.0	0.0
CO60	0.0	0.0	0.0	0.0	0.0	0.0
FE59	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0
CO57	0.0	0.0	0.0	0.0	0.0	0.0
MN54	0.0	0.0	0.0	0.0	0.0	0.0
CR51	0.0	0.0	0.0	0.0	0.0	0.0
I-131	0.0	0.0	0.0	0.0	0.0	0.0
I-133	0.0	0.0	0.0	0.0	0.0	0.0
I-135	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0
G. DISSOLVED GAS (CI)	0.0	0.0	0.0	0.0	0.0	0.0
H. TRITIUM (CI)	0.0	0.0	0.0	0.0	0.0	0.0
I. GROSS ALPHA (CI)	0.0	0.0	0.0	0.0	0.0	0.0

MONTICELLO NUCLEAR GENERATING PLANT
LIQUID WASTE RELEASED TO THE DISCHARGE CANAL

TABLE 1.5-3 (continued)

	OCT 75		NOV 75		DEC 75	
	POWER	TOTAL	POWER	TOTAL	POWER	TOTAL
A. NO. OF RELEASES	0.0	0.0	0.0	0.0	0.0	0.0
B. TOTAL VOLUME (GAL)	0.0	0.0	0.0	0.0	0.0	0.0
C. AVG REL TIME (HRS)	0.0	0.0	0.0	0.0	0.0	0.0
D. AVG DILUTION (CFS)						
E. GROSS ACTIVITY (CI)	0.0	0.0	0.0	0.0	0.0	0.0
F. FISSION/ACT PROD (CI)						
ND147	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	0.0	0.0	0.0	0.0	0.0
CE141	0.0	0.0	0.0	0.0	0.0	0.0
BA140	0.0	0.0	0.0	0.0	0.0	0.0
CS137	0.0	0.0	0.0	0.0	0.0	0.0
CS136	0.0	0.0	0.0	0.0	0.0	0.0
CS134	0.0	0.0	0.0	0.0	0.0	0.0
SB126	0.0	0.0	0.0	0.0	0.0	0.0
SB124	0.0	0.0	0.0	0.0	0.0	0.0
AG110M	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0
ZR95	0.0	0.0	0.0	0.0	0.0	0.0
NR95	0.0	0.0	0.0	0.0	0.0	0.0
SR90	0.0	0.0	0.0	0.0	0.0	0.0
SR89	0.0	0.0	0.0	0.0	0.0	0.0
ZN65	0.0	0.0	0.0	0.0	0.0	0.0
CG60	0.0	0.0	0.0	0.0	0.0	0.0
FE59	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0
CO57	0.0	0.0	0.0	0.0	0.0	0.0
MN54	0.0	0.0	0.0	0.0	0.0	0.0
CR51	0.0	0.0	0.0	0.0	0.0	0.0
I-131	0.0	0.0	0.0	0.0	0.0	0.0
I-133	0.0	0.0	0.0	0.0	0.0	0.0
I-135	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0
G. DISSOLVED GAS (CI)	0.0	0.0	0.0	0.0	0.0	0.0
H. TRITIUM (CI)	0.0	0.0	0.0	0.0	0.0	0.0
I. GROSS ALPHA (CI)	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 1.5-3 (continued)

MONTICELLO NUCLEAR GENERATING PLANT
LIQUID WASTE RELEASED TO THE DISCHARGE CANAL

	JAN 76			FEB 76			MAR 76		
	POWER	OP	TOTAL	POWER	OP	TOTAL	POWER	OP	TOTAL
	REFUEL			REFUEL			REFUEL		
A. NO. OF RELEASES	0.0		0.0	0.0		0.0	0.0		0.0
B. TOTAL VOLUME (GAL)	0.0		0.0	0.0		0.0	0.0		0.0
C. AVG REL TIME (HRS)	0.0		0.0	0.0		0.0	0.0		0.0
D. AVG DILUTION (CFS)									
E. GROSS ACTIVITY (CI)	0.0		0.0	0.0		0.0	0.0		0.0
F. FISSION/ACT PROD (CI)									
ND147	0.0		0.0	0.0		0.0	0.0		0.0
CE144	0.0		0.0	0.0		0.0	0.0		0.0
CE141	0.0		0.0	0.0		0.0	0.0		0.0
BA140	0.0		0.0	0.0		0.0	0.0		0.0
CS137	0.0		0.0	0.0		0.0	0.0		0.0
CS136	0.0		0.0	0.0		0.0	0.0		0.0
CS134	0.0		0.0	0.0		0.0	0.0		0.0
SR126	0.0		0.0	0.0		0.0	0.0		0.0
SR124	0.0		0.0	0.0		0.0	0.0		0.0
AG110M	0.0		0.0	0.0		0.0	0.0		0.0
RU106	0.0		0.0	0.0		0.0	0.0		0.0
RU103	0.0		0.0	0.0		0.0	0.0		0.0
ZR95	0.0		0.0	0.0		0.0	0.0		0.0
NR95	0.0		0.0	0.0		0.0	0.0		0.0
SR90	0.0		0.0	0.0		0.0	0.0		0.0
SR89	0.0		0.0	0.0		0.0	0.0		0.0
ZN65	0.0		0.0	0.0		0.0	0.0		0.0
CO60	0.0		0.0	0.0		0.0	0.0		0.0
FE59	0.0		0.0	0.0		0.0	0.0		0.0
CO58	0.0		0.0	0.0		0.0	0.0		0.0
CO57	0.0		0.0	0.0		0.0	0.0		0.0
MNS4	0.0		0.0	0.0		0.0	0.0		0.0
CR51	0.0		0.0	0.0		0.0	0.0		0.0
I-131	0.0		0.0	0.0		0.0	0.0		0.0
I-133	0.0		0.0	0.0		0.0	0.0		0.0
I-135	0.0		0.0	0.0		0.0	0.0		0.0
TOTAL	0.0		0.0	0.0		0.0	0.0		0.0
G. DISSOLVED GAS (CI)	0.0		0.0	0.0		0.0	0.0		0.0
H. TRITIUM (CI)	0.0		0.0	0.0		0.0	0.0		0.0
I. GROSS ALPHA (CI)	0.0		0.0	0.0		0.0	0.0		0.0

TABLE 1.5-3 (continued)

MONTICELLO NUCLEAR GENERATING PLANT
LIQUID WASTE RELEASED TO THE DISCHARGE CANAL

	APR 76		MAY 76		JUN 76	
	POWER OP	TOTAL	POWER OP	TOTAL	POWER OP	TOTAL
A. NO. OF RELEASES	0.0	0.0	0.0	0.0	0.0	0.0
B. TOTAL VOLUME (GAL)	0.0	0.0	0.0	0.0	0.0	0.0
C. AVG. REL. TIME (HRS)	0.0	0.0	0.0	0.0	0.0	0.0
D. AVG. DILUTION (CF5)						
E. GROSS ACTIVITY (CI)	0.0	0.0	0.0	0.0	0.0	0.0
F. FISSION/ACT PROD (CI)						
NO147	0.0	0.0	0.0	0.0	0.0	0.0
CE144	0.0	0.0	0.0	0.0	0.0	0.0
CE141	0.0	0.0	0.0	0.0	0.0	0.0
BA140	0.0	0.0	0.0	0.0	0.0	0.0
CS137	0.0	0.0	0.0	0.0	0.0	0.0
CS136	0.0	0.0	0.0	0.0	0.0	0.0
CS134	0.0	0.0	0.0	0.0	0.0	0.0
SB126	0.0	0.0	0.0	0.0	0.0	0.0
SB124	0.0	0.0	0.0	0.0	0.0	0.0
AG110M	0.0	0.0	0.0	0.0	0.0	0.0
RU106	0.0	0.0	0.0	0.0	0.0	0.0
RU103	0.0	0.0	0.0	0.0	0.0	0.0
ZK95	0.0	0.0	0.0	0.0	0.0	0.0
NB95	0.0	0.0	0.0	0.0	0.0	0.0
SR90	0.0	0.0	0.0	0.0	0.0	0.0
SR89	0.0	0.0	0.0	0.0	0.0	0.0
ZN65	0.0	0.0	0.0	0.0	0.0	0.0
CO60	0.0	0.0	0.0	0.0	0.0	0.0
FE59	0.0	0.0	0.0	0.0	0.0	0.0
CO58	0.0	0.0	0.0	0.0	0.0	0.0
CO57	0.0	0.0	0.0	0.0	0.0	0.0
MN54	0.0	0.0	0.0	0.0	0.0	0.0
CR51	0.0	0.0	0.0	0.0	0.0	0.0
I-131	0.0	0.0	0.0	0.0	0.0	0.0
I-133	0.0	0.0	0.0	0.0	0.0	0.0
I-135	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0
G. DISSOLVED GAS (CI)	0.0	0.0	0.0	0.0	0.0	0.0
H. TRITIUM (CI)	0.0	0.0	0.0	0.0	0.0	0.0
I. GROSS ALPHA (CI)	0.0	0.0	0.0	0.0	0.0	0.0

50-263

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr Ziemann

FROM: Northern States Power Corp
Minneapolis, Mn
L O Mayer

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DESCRIPTION

Ltr re their 6-4-76 submittal.....trans
the following:

PLANT NAME: Monticello

566
Nt

ENCLOSURE

Supplement #2 to their Appendix 1 filing.....
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FOR ACTION/INFORMATION

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ENVIRO ANALYSIS

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SITE TECH.

GAMMILL

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SITE ANALYSIS

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BUNCH

J. COLLINS (3)

KRFGER

CONTROL NUMBER

PROJECT MANAGEMENT

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REACTOR SAFETY

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