OFFSITE DOSE CALCULATION MANUAL - TABLE OF CONTENTS

SECTION		PAGE
1.0	RECORD OF REVISION	2
2.0	SUMMARY OF DISPERSION CALCULATION PROCEDURES	3
2.1	References	4
Table 1	Monticello Release Conditions	5
Table 2	Distances to Controlling Unrestricted Area Boundary Locations	6
Table 3	Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs /Yr or >150 Hrs / Qtr	7
Table 4	Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr	8
Table 5	Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr	16
Table 6	Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr	24
Table 7	Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr	25
Table 8	Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr	33
Table 9	Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr	41
Table 10	Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr	42
Table 11	Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr	50
Table 12	Monticello Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr	58
Table 13	Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr	59
Table 14	Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr	67

Prepared By:	
Reviewed By:	
OC Final Review Meeting:	Date:
Approved By Plant Manager:	Date:

FOR ADMINISTRATIVE USE ONLY				
3087 (DOCUMENT CHANGE, HOLD, AND COMMENT FORM) incorporated:_____				
Resp Supv: CHEM		Assoc Ref: CHEM-I	SR: N	Freq: 2 yrs
ARMS: ODCM-APP-A	Doc Type: 7030	Admin Initials:		Date:

I/plr

1.0 RECORD OF REVISION

Revision No.	Date	Reason for Revision
0	October - 2000	Moved previous ODCM-06.01 tables into this Appendix to make the ODCM easier to use.

2.0 SUMMARY OF DISPERSION CALCULATION PROCEDURES

Updepleted, undecayed dispersion parameters were computed using the computer program XOQDOQ (Sagendorf and Goll, 1977). Specifically, sector average χ/Q and D/Q values were obtained for a sector width of 22.5 degrees. Credit was taken for momentum plume rise and effective plume height was adjusted for local terrain height for elevated releases. Building wake corrections were used to adjust calculations for ground-level releases. Standard open terrain recirculation correction factors were also applied as available as default values in XOQDOQ.

Dispersion calculations were based on mixed mode releases for the reactor vent and on elevated releases for the offgas stack. A summary of release conditions used as input to XOQDOQ is presented in Table 1 and controlling site boundary distances are defined in Table 2. Computed χ/Q and D/Q values for unrestricted area boundary locations (relative to release points) and for standard distances (to five miles from the source in 0.1 mile increments) are presented in Tables 3 through 11.

For certain meteorological and release conditions, the enveloping interpolation routines in XOQDOQ used to compute short-term χ/Q and D/Q values do not provide reasonable results. Because of this, results were reviewed for consistency and where possible, the distributions of calculated χ/Q values were enveloped and interpolated by hand.

In some cases, use of the NRC methodology is implemented in XOQDOQ for estimating short term dispersion values results in values which are lower than the annual values. For these cases, the annual average χ/Q and D/Q values are used to conservatively represent short-term values. χ/Q and D/Q values for on-site EPA locations were adjusted (multiplied by a factor of 0.238) to account for limited daily exposure of workers in accordance with NUREG-0473[2].

On-site meteorological data for the period September 1, 1976 through August 31,1978 (as presented in Appendix B) were used as input to XOQDOQ. Data were collected and ΔT stability classes were defined in conformance with NRC Regulatory Guide 1.23[3]. Dispersion calculations for the reactor vent were based on $\Delta T_{42.7\text{-}10m}$ and 10 meter wind data (joint data recovery of 94 percent). Dispersion calculations for the offgas stack were based on $\Delta T_{100\text{-}10m}$ and 100 meter wind data (joint data recovery of 95 percent).

2.1 References

1. Sagendorf, J. F. and Goll, J. T., XOQDOQ Program for the Evaluation of Routine Effluent Releases at Nuclear Power Stations. NUREG 0324, U.S. Nuclear Regulatory Commission, September 1977.

2. NUREG-0473

3. USNRC Regulatory Guide 1.23

Table 1 Monticello Release Conditions

	Reactor Vent	Off-Gas Stack
Release Type	Mixed mode (Long and short-term)	Elevated (Long and short-term)
Release point height, m	42	100
Adjacent building height, m	42	42
Relative location to adjacent structures	Adjacent to Turbine Building	400□ SE of Reactor Building
Exit velocity, m/Sec	6.1	19.0
Internal stack diameter, m	2.41	0.36
Building cross-sectional area*, m^2	1480	N/A
Purge frequency**, times per year	6	6
Purge duration**, hours/release	24	24

* Applied to ground level releases.

** Applied to short-term calculations only.

Table 2 Distances to Controlling Unrestricted Area Boundary Locations

Miles

Column 1 As measured from Reactor Vent		Column 2* As Measured from Offgas Stack	
Sector	Distance	Sector	Distance
N	0.51	N	0.59
NNE	0.58	N	0.63
NE	0.65	NNE	0.65
ENE	0.83	ENE	0.78
E	0.59	E	0.50
ESE	0.59	E	0.50
SE	0.61	SSE	0.51
SSE	0.43	S	0.36
S	0.34	SSW	0.31
SSW	0.32	SW	0.33
SW	0.32	SW	0.33
WSW	0.35	WSW	0.38
W	0.48	W	0.56
WNW	0.68	NW	0.78
NW	0.43	NW	0.53
NNW	0.53	NNW	0.61

* Locations specified in Column 2 are the same geographic points as specified in Column 1 although the reference points are different.

Table 3 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs /Yr or >150 Hrs / Qtr

Site Boundary Sector*	χ/Q (sec/m^3)	D/Q (m^{-2})
N	2.09E-06	2.89E-08
NNE	1.29E-06	1.82E-08
NE	7.76E-07	9.42E-09
ENE	6.11E-07	5.62E-09
E	1.38E-06	1.45E-08
ESE	2.42E-06	3.15E-08
SE	2.53E-06	3.30E-08
SSE	4.08E-06	5.95E-08
S	2.30E-06	3.08E-08
SSW	1.80E-06	2.13E-08
SW	1.96E-06	2.54E-08
WSW	1.54E-06	1.72E-08
W	1.10E-06	1.23E-08
WNW	1.22E-06	1.19E-08
NW	2.11E-06	2.61E-08
NNW	1.87E-06	2.55E-08

Period of record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	2.94E-05	8.91E-06	4.59E-06	2.98E-06	2.17E-06	1.74E-06	1.46E-06
NNE	1.98E-05	6.24E-06	3.25E-06	2.11E-06	1.55E-06	1.25E-06	1.06E-06
NE	1.22E-05	3.84E-06	2.02E-06	1.33E-06	9.98E-07	8.21E-07	7.09E-07
ENE	1.25E-05	3.91E-06	2.05E-06	1.35E-06	1.01E-06	8.46E-07	7.44E-07
E	1.97E-05	6.02E-06	3.20E-06	2.16E-06	1.64E-06	1.36E-06	1.19E-06
ESE	3.48E-05	1.05E-05	5.71E-06	3.89E-06	2.94E-06	2.40E-06	2.04E-06
SE	3.91E-05	1.17E-05	6.34E-06	4.28E-06	3.20E-06	2.57E-06	2.15E-06
SSE	4.15E-05	1.26E-05	6.78E-06	4.52E-06	3.35E-06	2.70E-06	2.28E-06
S	1.60E-05	4.95E-06	2.69E-06	1.82E-06	1.39E-06	1.16E-06	1.02E-06
SSW	1.14E-05	3.54E-06	1.97E-06	1.39E-06	1.11E-06	9.79E-07	8.94E-07
SW	1.28E-05	3.85E-06	2.15E-06	1.51E-06	1.21E-06	1.06E-06	9.58E-07
WSW	1.08E-05	3.29E-06	1.85E-06	1.32E-06	1.06E-06	9.52E-07	8.89E-07
W	1.21E-05	3.73E-06	2.01E-06	1.37E-06	1.07E-06	9.24E-07	8.42E-07
WNW	1.96E-05	6.01E-06	3.24E-06	2.17E-06	1.64E-06	1.37E-06	1.19E-06
NW	2.15E-05	6.49E-06	3.45E-06	2.32E-06	1.76E-06	1.45E-06	1.25E-06
NNW	2.71E-05	8.24E-06	4.24E-06	2.74E-06	2.00E-06	1.61E-06	1.36E-06

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	1.21E-06	9.77E-07	8.18E-07	7.00E-07	6.10E-07	5.39E-07	4.82E-07
NNE	8.85E-07	7.19E-07	6.07E-07	5.24E-07	4.59E-07	4.08E-07	3.66E-07
NE	6.02E-07	4.94E-07	4.19E-07	3.61E-07	3.16E-07	2.80E-07	2.50E-07
ENE	6.46E-07	5.41E-07	4.69E-07	4.13E-07	3.69E-07	3.32E-07	3.02E-07
E	1.02E-06	8.42E-07	7.16E-07	6.20E-07	5.45E-07	4.85E-07	4.35E-07
ESE	1.69E-06	1.35E-06	1.11E-06	9.35E-07	7.99E-07	6.92E-07	6.06E-07
SE	1.76E-06	1.39E-06	1.13E-06	9.46E-07	8.03E-07	6.93E-07	6.04E-07
SSE	1.89E-06	1.51E-06	1.25E-06	1.06E-06	9.14E-07	7.98E-07	7.06E-07
S	8.69E-07	7.17E-07	6.09E-07	5.27E-07	4.63E-07	4.12E-07	3.71E-07
SSW	7.94E-07	6.74E-07	5.85E-07	5.14E-07	4.57E-07	4.10E-07	3.70E-07
SW	8.43E-07	7.09E-07	6.09E-07	5.31E-07	4.68E-07	4.16E-07	3.73E-07
WSW	8.07E-07	6.97E-07	6.12E-07	5.44E-07	4.87E-07	4.39E-07	3.99E-07
W	7.50E-07	6.40E-07	5.59E-07	4.95E-07	4.42E-07	3.99E-07	3.63E-07
WNW	1.02E-06	8.42E-07	7.17E-07	6.22E-07	5.47E-07	4.87E-07	4.38E-07
NW	1.05E-06	8.55E-07	7.15E-07	6.10E-07	5.29E-07	4.64E-07	4.11E-07
NNW	1.13E-06	9.14E-07	7.68E-07	6.60E-07	5.76E-07	5.10E-07	4.57E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	4.35E-07	3.91E-07	3.54E-07	3.23E-07	2.96E-07	2.72E-07	2.52E-07
NNE	3.32E-07	3.00E-07	2.72E-07	2.49E-07	2.28E-07	2.11E-07	1.95E-07
NE	2.25E-07	2.07E-07	1.92E-07	1.78E-07	1.67E-07	1.57E-07	1.48E-07
ENE	2.77E-07	2.56E-07	2.37E-07	2.21E-07	2.07E-07	1.94E-07	1.83E-07
E	3.94E-07	3.57E-07	3.25E-07	2.97E-07	2.73E-07	2.53E-07	2.34E-07
ESE	5.36E-07	4.78E-07	4.29E-07	3.88E-07	3.53E-07	3.23E-07	2.97E-07
SE	5.33E-07	4.80E-07	4.35E-07	3.97E-07	3.65E-07	3.37E-07	3.12E-07
SSE	6.31E-07	5.63E-07	5.05E-07	4.57E-07	4.16E-07	3.80E-07	3.49E-07
S	3.36E-07	3.03E-07	2.74E-07	2.49E-07	2.28E-07	2.10E-07	1.94E-07
SSW	3.37E-07	3.20E-07	3.05E-07	2.92E-07	2.81E-07	2.71E-07	2.62E-07
SW	3.37E-07	3.17E-07	2.99E-07	2.83E-07	2.70E-07	2.58E-07	2.47E-07
WSW	3.64E-07	3.44E-07	3.26E-07	3.10E-07	2.95E-07	2.82E-07	2.71E-07
W	3.32E-07	3.16E-07	3.01E-07	2.89E-07	2.78E-07	2.69E-07	2.61E-07
WNW	3.97E-07	3.74E-07	3.54E-07	3.37E-07	3.23E-07	3.12E-07	3.02E-07
NW	3.68E-07	3.33E-07	3.03E-07	2.78E-07	2.57E-07	2.38E-07	2.21E-07
NNW	4.13E-07	3.73E-07	3.39E-07	3.10E-07	2.85E-07	2.63E-07	2.44E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	2.34E-07	2.18E-07	2.04E-07	1.92E-07	1.83E-07	1.75E-07	1.68E-07
NNE	1.82E-07	1.70E-07	1.59E-07	1.50E-07	1.41E-07	1.33E-07	1.26E-07
NE	1.40E-07	1.32E-07	1.26E-07	1.20E-07	1.13E-07	1.07E-07	1.02E-07
ENE	1.73E-07	1.64E-07	1.56E-07	1.49E-07	1.41E-07	1.34E-07	1.27E-07
E	2.18E-07	2.04E-07	1.91E-07	1.80E-07	1.69E-07	1.60E-07	1.51E-07
ESE	2.74E-07	2.53E-07	2.36E-07	2.20E-07	2.05E-07	1.93E-07	1.81E-07
SE	2.91E-07	2.73E-07	2.56E-07	2.41E-07	2.26E-07	2.12E-07	1.99E-07
SSE	2.22E-07	2.99E-07	2.78E-07	2.59E-07	2.43E-07	2.29E-07	2.15E-07
S	1.80E-07	1.68E-07	1.57E-07	1.47E-07	1.42E-07	1.37E-07	1.33E-07
SSW	2.55E-07	2.48E-07	2.41E-07	2.35E-07	2.20E-07	2.06E-07	1.94E-07
SW	2.38E-07	2.30E-07	2.22E-07	2.15E-07	2.04E-07	1.93E-07	1.83E-07
WSW	2.60E-07	2.51E-07	2.42E-07	2.34E-07	2.18E-07	2.04E-07	1.92E-07
W	2.54E-07	2.48E-07	2.42E-07	2.37E-07	2.25E-07	2.14E-07	2.04E-07
WNW	2.93E-07	2.85E-07	2.79E-07	2.73E-07	2.64E-07	2.55E-07	2.47E-07
NW	2.07E-07	1.94E-07	1.82E-07	1.72E-07	1.66E-07	1.60E-07	1.55E-07
NNW	2.28E-07	2.13E-07	2.00E-07	1.88E-07	1.78E-07	1.68E-07	1.60E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	1.62E-07	1.56E-07	1.51E-07	1.46E-07	1.41E-07	1.37E-07	1.33E-07
NNE	1.20E-07	1.14E-07	1.09E-07	1.04E-07	9.91E-08	9.49E-08	9.10E-08
NE	9.64E-08	9.16E-08	8.73E-08	8.33E-07	7.96E-08	7.62E-08	7.30E-08
ENE	1.21E-07	1.16E-07	1.11E-07	1.06E-07	1.02E-07	9.75E-08	9.37E-08
E	1.44E-07	1.36E-07	1.30E-07	1.24E-07	1.18E-07	1.13E-07	1.09E-07
ESE	1.71E-07	1.61E-07	1.53E-07	1.45E-07	1.38E-07	1.31E-07	1.25E-07
SE	1.88E-07	1.77E-07	1.68E-07	1.59E-07	1.51E-07	1.44E-07	1.37E-07
SSE	2.04E-07	1.93E-07	1.83E-07	1.74E-07	1.66E-07	1.58E-07	1.51E-07
S	1.29E-07	1.26E-07	1.22E-07	1.19E-07	1.17E-07	1.14E-07	1.12E-07
SSW	1.83E-07	1.73E-07	1.63E-07	1.55E-07	1.47E-07	1.40E-07	1.33E-07
SW	1.75E-07	1.67E-07	1.59E-07	1.52E-07	1.46E-07	1.40E-07	1.34E-07
WSW	1.80E-07	1.70E-07	1.60E-07	1.52E-07	1.44E-07	1.37E-07	1.30E-07
W	1.95E-07	1.87E-07	1.79E-07	1.72E-07	1.65E-07	1.59E-07	1.53E-07
WNW	2.40E-07	2.33E-07	2.26E-07	2.19E-07	2.13E-07	2.07E-07	2.01E-07
NW	1.50E-07	1.46E-07	1.42E-07	1.39E-07	1.36E-07	1.33E-07	1.31E-07
NNW	1.52E-07	1.45E-07	1.38E-07	1.32E-07	1.26E-07	1.21E-07	1.17E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	1.28E-07	1.23E-07	1.18E-07	1.14E-07	1.10E-07	1.06E-07	1.02E-07
NNE	8.74E-08	8.40E-08	8.09E-08	7.80E-08	7.52E-08	7.26E-08	7.02E-08
NE	7.01E-08	6.74E-08	6.48E-08	6.24E-08	6.02E-08	5.81E-08	5.61E-08
ENE	9.02E-08	8.69E-08	8.38E-08	8.10E-08	7.82E-08	7.57E-08	7.33E-08
E	1.04E-07	1.00E-07	9.62E-08	9.26E-08	8.92E-08	8.61E-08	8.31E-08
ESE	1.19E-07	1.14E-07	1.09E-07	1.05E-07	1.01E-07	9.66E-07	9.29E-08
SE	1.31E-07	1.25E-07	1.20E-07	1.15E-07	1.10E-07	1.06E-07	1.02E-07
SSE	1.45E-07	1.40E-07	1.36E-07	1.31E-07	1.27E-07	1.23E-07	1.19E-07
S	1.08E-07	1.05E-07	1.02E-07	9.95E-08	9.69E-08	9.44E-08	9.20E-08
SSW	1.29E-07	1.25E-07	1.21E-07	1.17E-07	1.13E-07	1.10E-07	1.07E-07
SW	1.31E-07	1.27E-07	1.24E-07	1.20E-07	1.17E-07	1.14E-07	1.11E-07
WSW	1.27E-07	1.23E-07	1.20E-07	1.17E-07	1.14E-07	1.11E-07	1.09E-07
W	1.46E-07	1.39E-07	1.33E-07	1.28E-07	1.22E-07	1.17E-07	1.13E-07
WNW	1.91E-07	1.82E-07	1.74E-07	1.66E-07	1.59E-07	1.52E-07	1.46E-07
NW	1.26E-07	1.23E-07	1.19E-07	1.16E-07	1.13E-07	1.10E-07	1.07E-07
NNW	1.12E-07	1.08E-07	1.04E-07	1.01E-07	9.73E-08	9.41E-08	9.11E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	9.86E-08	9.54E-08	9.23E-08	8.95E-08	8.68E-08	8.42E-08	8.18E-08
NNE	6.79E-08	6.57E-08	6.37E-08	6.18E-08	6.00E-08	5.83E-08	5.66E-08
NE	5.43E-08	5.25E-08	5.09E-08	4.93E-08	4.78E-08	4.65E-08	4.51E-08
ENE	7.10E-08	6.89E-08	6.68E-08	6.49E-08	6.31E-08	6.14E-08	5.97E-08
E	8.09E-08	7.77E-08	7.53E-08	7.29E-08	7.07E-08	6.87E-08	6.67E-08
ESE	8.05E-08	8.63E-08	8.33E-08	8.04E-08	7.78E-08	7.52E-08	7.28E-08
SE	9.84E-08	9.48E-08	9.15E-08	8.84E-08	8.55E-08	8.27E-08	8.01E-08
SSE	1.16E-07	1.13E-07	1.10E-07	1.06E-07	1.03E-07	9.92E-08	9.61E-08
S	8.98E-08	8.77E-08	8.57E-08	8.28E-08	8.00E-08	7.74E-08	7.50E-08
SSW	1.04E-07	1.01E-07	9.84E-08	9.49E-08	9.16E-08	8.85E-08	8.55E-08
SW	1.08E-07	1.05E-07	1.02E-07	9.82E-08	9.46E-08	9.12E-08	8.79E-08
WSW	1.06E-07	1.03E-07	1.01E-07	9.72E-08	9.36E-08	9.03E-08	8.72E-08
W	1.08E-07	1.04E-07	1.00E-07	9.69E-08	9.36E-08	9.04E-08	8.74E-08
WNW	1.40E-07	1.35E-07	1.30E-07	1.25E-07	1.20E-07	1.16E-07	1.12E-07
NW	1.04E-07	1.02E-07	9.92E-08	9.58E-08	9.26E-08	8.95E-08	8.67E-08
NNW	8.83E-08	8.57E-08	8.32E-08	8.07E-08	7.82E-08	7.60E-08	7.38E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 4 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (χ/Q), sec/m^3

Sector*	Miles 5.0
N	7.94E-08
NNE	5.51E-08
NE	4.39E-08
ENE	5.82E-08
E	6.48E-08
ESE	7.06E-08
SE	7.76E-08
SSE	9.31E-08
S	7.26E-08
SSW	8.28E-08
SW	8.49E-08
WSW	8.42E-08
W	8.46E-08
WNW	1.08E-07
NW	8.40E-08
NNW	7.18E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	2.75E-07	1.10E-07	6.31E-08	4.18E-08	3.01E-08	2.28E-08	1.80E-08
NNE	1.89E-07	7.89E-08	4.70E-08	3.17E-08	2.30E-08	1.74E-08	1.37E-08
NE	1.11E-07	4.68E-08	2.81E-08	1.91E-08	1.39E-08	1.06E-08	8.41E-09
ENE	1.03E-07	4.32E-08	2.61E-08	1.78E-08	1.31E-08	1.00E-08	7.94E-09
E	1.58E-07	6.46E-08	3.08E-08	2.56E-08	1.87E-08	1.42E-08	1.13E-08
ESE	3.79E-07	1.49E-07	8.53E-08	5.66E-08	4.09E-08	3.11E-08	2.46E-08
SE	4.31E-07	1.67E-07	9.41E-08	6.19E-08	4.43E-08	3.36E-08	2.65E-08
SSE	4.49E-07	1.77E-07	1.01E-07	6.65E-08	4.78E-08	3.62E-08	2.86E-08
S	1.47E-07	6.03E-08	3.58E-08	2.43E-08	1.79E-08	1.38E-08	1.10E-08
SSW	9.22E-08	3.85E-08	2.33E-08	1.62E-08	1.21E-08	9.50E-09	7.72E-09
SW	1.21E-07	4.80E-08	2.79E-08	1.90E-08	1.41E-08	1.10E-08	8.89E-09
WSW	8.33E-08	3.44E-08	2.07E-08	1.44E-08	1.09E-08	8.57E-09	7.01E-09
W	9.09E-08	3.80E-08	2.29E-08	1.58E-08	1.18E-08	9.18E-09	7.41E-09
WNW	1.51E-07	6.14E-08	3.65E-08	2.49E-08	1.83E-08	1.41E-08	1.13E-08
NW	1.86E-07	7.43E-08	4.30E-08	2.89E-08	2.11E-08	1.62E-08	1.29E-08
NNW	2.45E-07	9.85E-08	5.73E-08	3.82E-08	2.76E-08	2.10E-08	1.66E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	1.38E-08	1.02E-08	7.88E-09	6.23E-09	5.03E-09	4.14E-09	3.55E-09
NNE	1.05E-08	7.83E-09	6.02E-09	4.76E-09	3.85E-09	3.17E-09	2.72E-09
NE	6.48E-09	4.84E-09	3.74E-09	2.96E-09	2.40E-09	1.98E-09	1.66E-09
ENE	6.14E-09	4.60E-09	3.56E-09	2.83E-09	2.30E-09	1.90E-09	1.60E-09
E	8.71E-09	6.51E-09	5.04E-09	4.00E-09	3.24E-09	2.68E-09	2.24E-09
ESE	1.89E-08	1.41E-09	1.09E-08	8.64E-09	7.00E-09	5.77E-09	4.83E-09
SE	2.03E-08	1.51E-08	1.17E-08	9.22E-09	7.45E-09	6.14E-09	5.13E-09
SSE	2.19E-08	1.63E-08	1.26E-08	9.93E-09	8.03E-09	6.61E-09	5.75E-09
S	8.57E-09	6.44E-09	5.01E-09	3.99E-09	3.46E-09	2.85E-09	2.38E-09
SSW	6.08E-09	4.63E-09	3.63E-09	2.92E-09	2.39E-09	2.09E-09	1.76E-09
SW	6.99E-09	5.31E-09	4.16E-09	3.34E-09	2.73E-09	2.41E-09	2.02E-09
WSW	5.56E-09	4.86E-09	3.36E-09	2.71E-09	2.23E-09	1.86E-09	1.63E-09
W	5.81E-09	4.41E-09	3.45E-09	2.77E-09	2.27E-09	1.89E-09	1.65E-09
WNW	8.82E-09	7.50E-09	5.17E-09	4.13E-09	3.76E-09	2.79E-09	2.48E-09
NW	9.99E-09	7.50E-09	5.82E-09	4.63E-09	3.76E-09	3.11E-09	2.61E-09
NNW	1.27E-08	9.47E-09	7.30E-09	5.78E-09	4.67E-09	3.85E-09	3.32E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	3.00E-09	2.57E-09	2.22E-09	1.93E-09	1.70E-09	1.51E-09	1.34E-09
NNE	2.30E-09	1.97E-09	1.71E-09	1.49E-09	1.31E-09	1.16E-09	1.04E-09
NE	1.41E-09	1.21E-09	1.05E-09	9.18E-10	8.12E-10	7.20E-10	6.44E-10
ENE	1.36E-09	1.17E-09	1.01E-09	8.84E-10	7.81E-10	6.94E-10	6.20E-10
E	1.91E-09	1.64E-09	1.42E-09	1.24E-09	1.09E-09	9.71E-10	8.67E-10
ESE	4.09E-09	3.51E-09	3.04E-09	2.65E-09	2.34E-09	2.07E-09	1.85E-09
SE	4.34E-09	3.72E-09	3.22E-09	2.81E-09	2.48E-09	2.19E-09	1.96E-09
SSE	4.86E-09	4.16E-09	3.59E-09	3.13E-09	2.75E-09	2.43E-09	2.17E-09
S	2.03E-09	1.74E-09	1.50E-09	1.31E-09	1.16E-09	1.02E-09	9.13E-10
SSW	1.50E-09	1.33E-09	1.15E-09	1.01E-09	9.52E-10	8.43E-10	7.52E-10
SW	1.72E-09	1.52E-09	1.32E-09	1.15E-09	1.08E-09	9.53E-10	8.49E-10
WSW	1.39E-09	1.25E-09	1.09E-09	9.54E-10	9.16E-10	8.11E-10	7.23E-10
W	1.40E-09	1.24E-09	1.08E-09	9.44E-10	8.93E-10	7.91E-10	7.05E-10
WNW	2.10E-09	1.84E-09	1.59E-09	1.39E-09	1.28E-09	1.13E-09	1.01E-09
NW	2.22E-09	1.91E-09	1.65E-09	1.45E-09	1.28E-09	1.13E-09	1.01E-09
NNW	2.81E-09	2.40E-09	2.08E-09	1.81E-09	1.59E-09	1.42E-09	1.27E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	1.21E-09	1.09E-09	9.85E-10	8.97E-10	8.29E-10	7.64E-10	7.05E-10
NNE	9.29E-10	8.38E-10	7.60E-10	6.92E-10	6.33E-10	5.81E-10	5.35E-10
NE	5.78E-10	5.23E-10	4.83E-10	4.40E-10	4.03E-10	3.70E-10	3.41E-10
ENE	5.70E-10	5.14E-10	4.67E-10	4.25E-10	3.89E-10	3.57E-10	3.29E-10
E	7.79E-10	7.03E-10	6.38E-10	5.82E-10	5.32E-10	4.89E-10	4.51E-10
ESE	1.66E-09	1.50E-09	1.36E-09	1.24E-09	1.13E-09	1.04E-09	9.56E-10
SE	1.81E-09	1.63E-09	1.47E-09	1.35E-09	1.23E-09	1.13E-09	1.04E-09
SSE	1.94E-09	1.75E-09	1.59E-09	1.44E-09	1.32E-09	1.21E-09	1.11E-09
S	8.91E-10	7.38E-10	6.69E-10	6.09E-10	5.59E-10	5.16E-10	4.76E-10
SSW	6.74E-10	6.08E-10	5.51E-10	5.02E-10	4.60E-10	4.22E-10	3.90E-10
SW	7.61E-10	6.86E-10	6.22E-10	5.66E-10	5.18E-10	4.75E-10	4.38E-10
WSW	6.49E-10	5.85E-10	5.30E-10	4.83E-10	4.42E-10	4.07E-10	3.75E-10
W	6.33E-10	5.71E-10	5.18E-10	4.72E-10	4.32E-10	3.98E-10	3.67E-10
WNW	9.02E-10	8.14E-10	7.38E-10	6.72E-10	6.15E-10	5.66E-10	5.22E-10
NW	9.09E-10	8.48E-10	7.69E-10	7.00E-10	6.48E-10	5.95E-10	5.52E-10
NNW	1.14E-09	1.03E-09	9.29E-10	8.46E-10	7.77E-10	7.14E-10	6.59E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	6.52E-10	6.09E-10	5.67E-10	5.30E-10	5.00E-10	4.71E-10	4.46E-10
NNE	4.95E-10	4.59E-10	4.26E-10	3.97E-10	3.71E-10	3.48E-10	3.27E-10
NE	3.15E-10	2.92E-10	2.72E-10	2.53E-10	2.37E-10	2.22E-10	2.08E-10
ENE	3.04E-10	2.82E-10	2.62E-10	2.44E-10	2.28E-10	2.14E-10	2.01E-10
E	4.16E-10	3.86E-10	3.59E-10	3.34E-10	3.12E-10	2.93E-10	2.75E-10
ESE	8.83E-10	8.18E-10	7.60E-10	7.08E-10	6.61E-10	6.19E-10	5.80E-10
SE	9.59E-10	8.88E-10	8.25E-10	7.68E-10	7.17E-10	6.71E-10	6.30E-10
SSE	1.03E-09	9.56E-10	8.89E-10	8.28E-10	7.73E-10	7.24E-10	6.79E-10
S	4.42E-10	4.12E-10	3.93E-10	3.68E-10	3.44E-10	3.24E-10	3.05E-10
SSW	3.61E-10	3.35E-10	3.13E-10	2.92E-10	2.74E-10	2.58E-10	2.43E-10
SW	4.05E-10	3.76E-10	3.50E-10	3.27E-10	3.06E-10	2.87E-10	2.71E-10
WSW	3.47E-10	3.23E-10	3.01E-10	2.81E-10	2.64E-10	2.48E-10	2.34E-10
W	3.40E-10	3.16E-10	2.95E-10	2.76E-10	2.60E-10	2.44E-10	2.31E-10
WNW	4.83E-10	4.49E-10	4.19E-10	3.91E-10	3.68E-10	3.90E-10	3.98E-10
NW	5.13E-10	4.78E-10	4.54E-10	4.25E-10	3.99E-10	3.75E-10	3.53E-10
NNW	6.10E-10	5.66E-10	5.27E-10	4.92E-10	4.61E-10	4.33E-10	4.08E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	4.22E-10	4.00E-10	3.80E-10	3.62E-10	3.45E-10	3.30E-10	3.16E-10
NNE	3.08E-10	2.90E-10	2.74E-10	2.59E-10	2.46E-10	2.34E-10	2.22E-10
NE	1.96E-10	1.87E-10	1.75E-10	1.65E-10	1.57E-10	1.49E-10	1.41E-10
ENE	1.89E-10	1.78E-10	1.68E-10	1.59E-10	1.51E-10	1.43E-10	1.36E-10
E	2.58E-10	2.43E-10	2.29E-10	2.17E-10	2.05E-10	1.95E-10	1.85E-10
ESE	5.45E-10	5.13E-10	4.84E-10	4.57E-10	4.33E-10	4.10E-10	3.89E-10
SE	5.93E-10	5.58E-10	5.27E-10	4.98E-10	4.72E-10	4.48E-10	4.26E-10
SSE	6.46E-10	6.09E-10	5.76E-10	5.55E-10	5.27E-10	5.02E-10	4.79E-10
S	2.88E-10	2.73E-10	2.59E-10	2.46E-10	2.35E-10	2.24E-10	2.14E-10
SSW	2.30E-10	2.18E-10	2.07E-10	1.97E-10	1.88E-10	1.80E-10	1.72E-10
SW	2.55E-10	2.42E-10	2.29E-10	2.18E-10	2.28E-10	2.33E-10	2.22E-10
WSW	2.21E-10	2.10E-10	1.99E-10	1.90E-10	1.81E-10	1.73E-10	1.66E-10
W	2.19E-10	2.08E-10	1.98E-10	1.88E-10	1.80E-10	1.72E-10	1.65E-10
WNW	3.75E-10	3.55E-10	3.36E-10	3.19E-10	3.04E-10	2.89E-10	2.76E-10
NW	3.34E-10	3.17E-10	3.01E-10	2.86E-10	2.73E-10	2.61E-10	2.50E-10
NNW	3.85E-10	3.64E-10	3.45E-10	3.28E-10	3.12E-10	3.04E-10	2.90E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	3.03E-10	2.91E-10	2.80E-10	2.70E-10	2.61E-10	2.52E-10	2.44E-10
NNE	2.12E-10	2.02E-10	1.93E-10	1.84E-10	1.76E-10	1.69E-10	1.62E-10
NE	1.35E-10	1.28E-10	1.23E-10	1.17E-10	1.12E-10	1.07E-10	1.03E-10
ENE	1.29E-10	1.23E-10	1.18E-10	1.12E-10	1.08E-10	1.03E-10	9.88E-11
E	1.76E-10	1.67E-10	1.59E-10	1.52E-10	1.45E-10	1.39E-10	1.33E-10
ESE	3.70E-10	3.52E-10	3.35E-10	3.20E-10	3.05E-10	2.92E-10	2.79E-10
SE	4.05E-10	3.87E-10	3.69E-10	3.53E-10	3.38E-10	3.24E-10	3.11E-10
SSE	4.61E-10	4.41E-10	4.26E-10	4.09E-10	3.94E-10	3.80E-10	3.66E-10
S	2.05E-10	1.97E-10	1.90E-10	1.83E-10	1.76E-10	1.70E-10	1.65E-10
SSW	1.65E-10	1.59E-10	1.53E-10	1.48E-10	1.43E-10	1.38E-10	1.34E-10
SW	2.42E-10	2.42E-10	2.41E-10	2.30E-10	2.20E-10	2.10E-10	2.01E-10
WSW	1.59E-10	1.53E-10	1.58E-10	1.52E-10	1.47E-10	1.42E-10	1.37E-10
W	1.59E-10	1.53E-10	1.48E-10	1.43E-10	1.38E-10	1.34E-10	1.30E-10
WNW	2.64E-10	2.53E-10	2.42E-10	2.33E-10	2.24E-10	2.16E-10	2.08E-10
NW	2.39E-10	2.30E-10	2.22E-10	2.14E-10	2.07E-10	2.00E-10	1.93E-10
NNW	2.78E-10	2.67E-10	2.57E-10	2.47E-10	2.38E-10	2.30E-10	2.22E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 5 Monticello Reactor Vent Dispersion Parameters for Long Term Mixed Mode Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Reactor Vent) (D/Q), /m^2

Sector*	Miles 5.0
N	2.36E-10
NNE	1.56E-10
NE	9.90E-11
ENE	9.49E-11
E	1.27E-10
ESE	2.68E-10
SE	2.99E-10
SSE	3.54E-10
S	1.60E-10
SSW	1.30E-10
SW	1.93E-10
WSW	1.33E-10
W	1.27E-10
WNW	2.01E-10
NW	1.87E-10
NNW	2.15E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 6 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr

Site Boundary Sector*	χ/Q (Sec/m^3)	D/Q (m^{-2})
N	7.04E-08	4.51E-09
NNE	7.06E-08	4.30E-09
NE	1.00E-07	6.18E-09
ENE	6.20E-08	2.34E-09
E	4.46E-08	2.77E-09
ESE	5.28E-08	3.93E-09
SE	5.50E-08	4.98E-09
SSE	3.99E-08	4.20E-09
S	1.83E-08	2.63E-09
SSW	1.17E-08	1.46E-09
SW	1.17E-08	1.46E-09
WSW	1.34E-08	1.34E-09
W	3.42E-08	1.67E-09
WNW	7.22E-08	2.43E-09
NW	5.67E-08	2.82E-09
NNW	1.08E-07	5.80E-09

Period of record: 9-1-76 to 8-31-78.

* Measured relevant to the Reactor Vent.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	2.39E-11	4.33E-08	6.96E-08	7.18E-08	7.08E-08	7.05E-08	7.15E-08
NNE	3.93E-11	6.93E-08	1.04E-07	1.03E-07	1.02E-07	1.01E-07	9.96E-08
NE	1.15E-11	2.27E-08	4.42E-08	5.50E-08	6.09E-08	6.34E-08	6.46E-08
ENE	1.00E-11	1.96E-08	3.74E-08	4.75E-08	5.48E-08	5.94E-08	6.22E-08
E	3.09E-12	7.35E-09	2.33E-08	3.64E-08	4.44E-08	4.93E-08	5.30E-08
ESE	2.80E-12	7.63E-09	2.67E-08	4.30E-08	5.31E-08	5.99E-08	6.61E-08
SE	5.57E-12	1.31E-08	3.90E-08	5.97E-08	7.41E-08	8.66E-08	9.91E-08
SSE	6.56E-12	1.40E-08	3.27E-08	4.50E-08	5.37E-08	6.41E-08	7.81E-08
S	4.93E-12	1.23E-08	3.06E-08	4.42E-08	5.35E-08	6.15E-08	6.95E-08
SSW	1.62E-12	4.83E-09	1.73E-08	2.93E-08	3.77E-08	4.45E-08	5.11E-08
SW	5.96E-13	2.06E-09	9.62E-09	1.69E-08	2.21E-08	2.73E-08	3.37E-08
WSW	3.07E-13	1.30E-09	7.80E-09	1.43E-08	1.87E-08	2.33E-08	2.94E-08
W	1.87E-12	6.43E-09	1.74E-08	2.59E-08	3.15E-08	3.63E-08	4.14E-08
WNW	1.56E-12	5.49E-09	2.06E-08	3.41E-08	4.21E-08	4.76E-08	5.27E-08
NW	5.29E-12	1.20E-08	3.15E-08	4.53E-08	5.46E-08	6.24E-08	6.92E-08
NNW	3.03E-11	5.55E-08	9.01E-08	9.73E-08	1.02E-07	1.07E-07	1.11E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	7.07E-08	6.72E-08	6.55E-08	6.42E-08	6.30E-08	6.18E-08	6.05E-08
NNE	9.48E-08	8.63E-08	8.08E-08	7.65E-08	7.29E-08	6.97E-08	6.67E-08
NE	6.26E-08	5.76E-08	5.41E-08	5.13E-08	4.89E-08	4.69E-08	4.50E-08
ENE	6.13E-08	5.70E-08	5.38E-08	5.12E-08	4.89E-08	4.67E-08	4.47E-08
E	5.36E-08	5.10E-08	4.91E-08	4.74E-08	4.58E-08	4.43E-08	4.27E-08
ESE	6.89E-08	6.75E-08	6.63E-08	6.51E-08	6.36E-08	6.19E-08	6.00E-08
SE	1.06E-07	1.05E-07	1.04E-07	1.02E-07	9.96E-08	9.66E-08	9.32E-08
SSE	9.01E-08	9.61E-08	1.01E-07	1.04E-07	1.06E-07	1.06E-07	1.05E-07
S	7.41E-08	7.41E-08	7.42E-08	7.39E-08	7.31E-08	7.19E-08	7.04E-08
SSW	5.49E-08	5.49E-08	5.49E-08	5.44E-08	5.37E-08	5.26E-08	5.13E-08
SW	3.88E-08	4.13E-08	4.31E-08	4.43E-08	4.49E-08	4.49E-08	4.45E-08
WSW	3.49E-08	3.82E-08	4.10E-08	4.32E-08	4.46E-08	4.55E-08	4.58E-08
W	4.50E-08	4.59E-08	4.69E-08	4.77E-08	4.80E-08	4.80E-08	4.77E-08
WNW	5.52E-08	5.45E-08	5.42E-08	5.39E-08	5.33E-08	5.26E-08	5.16E-08
NW	7.18E-08	6.96E-08	6.77E-08	6.59E-08	6.40E-08	6.21E-08	6.01E-08
NNW	1.08E-07	9.96E-08	9.36E-08	8.85E-08	8.40E-08	8.00E-08	7.63E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	5.91E-08	5.66E-08	5.43E-08	5.20E-08	4.99E-08	4.78E-08	4.59E-08
NNE	6.40E-08	6.06E-08	5.74E-08	5.45E-08	5.17E-08	4.92E-08	4.69E-08
NE	4.33E-08	4.23E-08	4.14E-08	4.06E-08	3.96E-08	3.88E-08	3.79E-08
ENE	4.28E-08	4.10E-08	3.93E-08	3.77E-08	3.62E-08	3.47E-08	3.34E-08
E	4.12E-08	3.94E-08	3.76E-08	3.60E-08	3.44E-08	3.29E-08	3.15E-08
ESE	5.80E-08	5.59E-08	5.39E-08	5.18E-08	4.98E-08	4.78E-08	4.60E-08
SE	8.97E-08	8.77E-08	8.55E-08	8.32E-08	8.07E-08	7.83E-08	7.59E-08
SSE	1.04E-08	9.98E-08	9.58E-08	9.19E-08	8.80E-08	8.42E-08	8.06E-08
S	6.85E-08	6.54E-08	6.23E-08	5.93E-08	5.65E-08	5.39E-08	5.14E-08
SSW	4.99E-08	5.03E-08	5.04E-08	5.04E-08	5.02E-08	4.99E-08	4.95E-08
SW	4.37E-08	4.46E-08	4.51E-08	4.54E-08	4.55E-08	4.54E-08	4.52E-08
WSW	4.57E-08	4.71E-08	4.81E-08	4.88E-08	4.92E-08	4.94E-08	4.95E-08
W	4.71E-08	4.79E-08	4.85E-08	4.89E-08	4.90E-08	4.90E-08	4.89E-08
WNW	5.05E-08	5.10E-08	5.12E-08	5.13E-08	5.12E-08	5.11E-08	5.08E-08
NW	5.81E-08	5.64E-08	5.47E-08	5.30E-08	5.13E-08	4.97E-08	4.82E-08
NNW	7.29E-08	6.89E-08	6.52E-08	6.18E-08	5.87E-08	5.58E-08	5.31E-08

Period of Record: 9-1-76 to 8-31-7

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	4.41E-08	4.23E-08	4.07E-08	3.92E-08	3.82E-08	3.73E-08	3.64E-08
NNE	4.48E-08	4.28E-08	4.09E-08	3.92E-08	3.76E-08	3.61E-08	3.47E-08
NE	3.71E-08	3.63E-08	3.53E-08	3.47E-08	3.35E-08	3.24E-08	3.13E-08
ENE	3.21E-08	3.09E-08	2.98E-08	2.87E-08	2.76E-08	2.65E-08	2.55E-08
E	3.02E-08	2.90E-08	2.78E-08	2.67E-08	2.57E-08	2.47E-08	2.38E-08
ESE	4.42E-08	4.25E-08	4.09E-08	3.94E-08	3.79E-08	3.66E-08	3.53E-08
SE	7.35E-08	7.12E-08	6.89E-08	6.68E-08	6.38E-08	6.11E-08	5.85E-08
SSE	7.72E-08	7.39E-08	7.08E-08	6.79E-08	6.53E-08	6.28E-08	6.05E-08
S	4.91E-08	4.69E-08	4.48E-08	4.29E-08	4.20E-08	4.11E-08	4.03E-08
SSW	4.90E-08	4.85E-08	4.79E-08	4.73E-08	4.51E-08	4.30E-08	4.11E-08
SW	4.49E-08	4.46E-08	4.42E-08	4.38E-08	4.23E-08	4.09E-08	3.96E-08
WSW	4.93E-08	4.91E-08	4.88E-08	4.84E-08	4.63E-08	4.42E-08	4.24E-08
W	4.86E-08	4.83E-08	4.79E-08	4.75E-08	4.59E-08	4.44E-08	4.30E-08
WNW	5.05E-08	5.01E-08	4.97E-08	4.93E-08	4.84E-08	4.75E-08	4.66E-08
NW	4.67E-08	4.52E-08	4.38E-08	4.25E-08	4.19E-08	4.14E-08	4.08E-08
NNW	5.06E-08	4.83E-08	4.62E-08	4.42E-08	4.24E-08	4.07E-08	3.91E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	3.55E-08	3.47E-08	3.39E-08	3.31E-08	3.24E-08	3.17E-08	3.10E-08
NNE	3.34E-08	3.22E-08	3.11E-08	3.00E-08	2.90E-08	2.80E-08	2.71E-08
NE	3.03E-08	2.93E-08	2.84E-08	2.76E-08	2.67E-08	2.60E-08	2.52E-08
ENE	2.46E-08	2.37E-08	2.29E-08	2.21E-08	2.14E-08	2.07E-08	2.00E-08
E	2.30E-08	2.22E-08	2.14E-08	2.07E-08	2.00E-08	1.94E-08	1.88E-08
ESE	3.41E-08	3.29E-08	3.18E-08	3.08E-08	2.98E-08	2.89E-08	2.80E-08
SE	5.62E-08	5.39E-08	5.18E-08	4.98E-08	4.80E-08	4.62E-08	4.46E-08
SSE	5.83E-08	5.62E-08	5.42E-08	5.23E-08	5.05E-08	4.89E-08	4.73E-08
S	3.94E-08	3.86E-08	3.78E-08	3.70E-08	3.63E-08	3.55E-08	3.49E-08
SSW	3.93E-08	3.77E-08	3.61E-08	3.47E-08	3.34E-08	3.21E-08	3.09E-08
SW	3.84E-08	3.72E-08	3.61E-08	3.51E-08	3.41E-08	3.32E-08	3.23E-08
WSW	4.06E-08	3.90E-08	3.74E-08	3.60E-08	3.47E-08	3.34E-08	3.22E-08
W	4.17E-08	4.04E-08	3.93E-08	3.81E-08	3.70E-08	3.60E-08	3.50E-08
WNW	4.58E-08	4.50E-08	4.42E-08	4.34E-08	4.27E-08	4.20E-08	4.14E-08
NW	4.02E-08	3.96E-08	3.90E-08	3.85E-08	3.79E-08	3.74E-08	3.68E-08
NNW	3.76E-08	3.62E-08	3.49E-08	3.36E-08	3.25E-08	3.14E-08	3.03E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	3.00E-08	2.91E-08	2.82E-08	2.74E-08	2.66E-08	2.59E-08	2.51E-08
NNE	2.63E-08	2.54E-08	2.47E-08	2.40E-08	2.33E-08	2.26E-08	2.20E-08
NE	2.45E-08	2.39E-08	2.32E-08	2.26E-08	2.20E-08	2.15E-08	2.09E-08
ENE	1.94E-08	1.88E-08	1.83E-08	1.77E-08	1.73E-08	1.68E-08	1.63E-08
E	1.82E-08	1.77E-08	1.71E-08	1.66E-08	1.62E-08	1.57E-08	1.53E-08
ESE	2.72E-08	2.64E-08	2.56E-08	2.49E-08	2.42E-08	2.35E-08	2.29E-08
SE	4.30E-08	4.16E-08	4.02E-08	3.89E-08	3.77E-08	3.65E-08	3.54E-08
SSE	4.60E-08	4.49E-08	4.37E-08	4.27E-08	4.16E-08	4.06E-08	3.97E-08
S	3.39E-08	3.30E-08	3.22E-08	3.14E-08	3.06E-08	2.99E-08	2.92E-08
SSW	3.01E-08	2.93E-08	2.86E-08	2.79E-08	2.72E-08	2.65E-08	2.59E-08
SW	3.17E-08	3.12E-08	3.07E-08	3.02E-08	2.98E-08	2.93E-08	2.89E-08
WSW	3.17E-08	3.12E-08	3.07E-08	3.03E-08	2.98E-08	2.94E-08	2.89E-08
W	3.38E-08	3.26E-08	3.15E-08	3.05E-08	2.95E-08	2.86E-08	2.77E-08
WNW	3.99E-08	3.84E-08	3.71E-08	3.58E-08	3.46E-08	3.35E-08	3.24E-08
NW	3.60E-08	3.51E-08	3.43E-08	3.35E-08	3.28E-08	3.20E-08	3.13E-08
NNW	2.94E-08	2.84E-08	2.76E-08	2.67E-08	2.60E-08	2.52E-08	2.45E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	2.45E-08	2.38E-08	2.32E-08	2.26E-08	2.20E-08	2.15E-08	2.10E-08
NNE	2.14E-08	2.08E-08	2.03E-08	1.98E-08	1.93E-08	1.88E-08	1.84E-08
NE	2.04E-08	1.99E-08	1.95E-08	1.90E-08	1.86E-08	1.82E-08	1.78E-08
ENE	1.59E-08	1.55E-08	1.51E-08	1.47E-08	1.44E-08	1.40E-08	1.37E-08
E	1.49E-08	1.45E-08	1.42E-08	1.38E-08	1.35E-08	1.31E-08	1.28E-08
ESE	2.23E-08	2.18E-08	2.12E-08	2.07E-08	2.02E-08	1.97E-08	1.93E-08
SE	3.43E-08	3.33E-08	3.24E-08	3.15E-08	3.06E-08	2.98E-08	2.90E-08
SSE	3.88E-08	3.79E-08	3.71E-08	3.60E-08	3.50E-08	3.41E-08	3.32E-08
S	2.85E-08	2.79E-08	2.73E-08	2.65E-08	2.57E-08	2.50E-08	2.43E-08
SSW	2.53E-08	2.48E-08	2.42E-08	2.35E-08	2.28E-08	2.22E-08	2.16E-08
SW	2.85E-08	2.81E-08	2.77E-08	2.69E-08	2.61E-08	2.53E-08	2.46E-08
WSW	2.85E-08	2.81E-08	2.77E-08	2.69E-08	2.61E-08	2.53E-08	2.46E-08
W	2.68E-08	2.60E-08	2.53E-08	2.46E-08	2.39E-08	2.33E-08	2.26E-08
WNW	3.14E-08	3.05E-08	2.95E-08	2.87E-08	2.79E-08	2.71E-08	2.64E-08
NW	3.07E-08	3.00E-08	2.94E-08	2.86E-08	2.78E-08	2.70E-08	2.63E-08
NNW	2.38E-08	2.32E-08	2.26E-08	2.20E-08	2.14E-08	2.08E-08	2.03E-08

Period of Record: 9-1-76 to 8-31-78

Measured relevant to the Offgas Stack.

Table 7 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/Q), sec/m^3

Sector*	Miles 5.0
N	2.05E-08
NNE	1.79E-08
NE	1.74E-08
ENE	1.34E-08
E	1.25E-08
ESE	1.88E-08
SE	2.82E-08
SSE	3.23E-08
S	2.36E-08
SSW	2.10E-08
SW	2.39E-08
WSW	2.39E-08
W	2.21E-08
WNW	2.57E-08
NW	2.57E-08
NNW	1.98E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	1.44E-09	4.89E-09	6.31E-09	5.66E-09	5.00E-09	4.44E-09	4.00E-09
NNE	2.25E-09	7.63E-09	9.79E-09	8.72E-09	7.59E-09	6.61E-09	5.82E-09
NE	1.06E-09	3.60E-09	4.65E-09	4.17E-09	3.68E-09	3.27E-09	2.94E-09
ENE	9.73E-10	3.30E-09	4.25E-09	3.81E-09	3.34E-09	2.95E-09	2.64E-09
E	7.84E-10	2.67E-09	3.45E-09	3.11E-09	2.77E-09	2.49E-09	2.27E-09
ESE	1.06E-09	3.61E-09	4.70E-09	4.31E-09	3.92E-09	3.63E-09	3.42E-09
SE	1.42E-09	4.87E-09	6.41E-09	6.00E-09	5.64E-09	5.40E-09	5.30E-09
SSE	1.19E-09	4.11E-09	5.46E-09	5.20E-09	5.00E-09	4.92E-09	4.96E-09
S	9.90E-10	3.38E-09	4.42E-09	4.08E-09	3.75E-09	3.50E-09	3.34E-09
SSW	5.92E-10	2.02E-09	2.65E-09	2.45E-09	2.25E-09	2.11E-09	2.03E-09
SW	3.23E-10	1.11E-09	1.48E-09	1.41E-09	1.35E-09	1.33E-09	1.34E-09
WSW	2.97E-10	1.03E-09	1.38E-09	1.33E-09	1.31E-09	1.32E-09	1.36E-09
W	4.41E-10	1.51E-09	1.98E-09	1.85E-09	1.72E-09	1.64E-09	1.59E-09
WNW	6.23E-10	2.13E-09	1.78E-09	2.56E-09	2.35E-09	2.20E-09	2.10E-09
NW	7.59E-10	2.59E-09	3.39E-09	3.13E-09	2.87E-09	2.69E-09	2.57E-09
NNW	1.94E-09	6.59E-09	8.48E-09	7.59E-09	6.66E-09	5.88E-09	5.25E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	3.47E-09	2.90E-09	2.39E-09	1.98E-09	1.67E-09	1.42E-09	1.23E-09
NNE	4.93E-09	4.00E-09	3.24E-09	2.65E-09	2.20E-09	1.85E-09	1.58E-09
NE	2.56E-09	2.13E-09	1.76E-09	1.46E-09	1.23E-09	1.05E-09	9.02E-10
ENE	2.27E-09	1.88E-09	1.54E-09	1.27E-09	1.06E-09	9.03E-10	7.75E-10
E	2.01E-09	1.70E-09	1.41E-09	1.18E-09	1.00E-09	8.59E-10	7.45E-10
ESE	3.12E-09	2.74E-09	2.32E-09	1.97E-09	1.69E-09	1.47E-09	1.29E-09
SE	5.02E-09	4.56E-09	3.94E-09	3.38E-09	2.94E-09	2.58E-09	2.29E-09
SSE	4.81E-09	4.46E-09	3.89E-09	3.37E-09	2.95E-09	2.61E-09	2.32E-09
S	3.09E-09	2.74E-09	2.34E-09	1.99E-09	1.72E-09	1.50E-09	1.32E-09
SSW	1.88E-09	1.67E-09	1.43E-09	1.22E-09	1.05E-09	9.18E-10	8.09E-10
SW	1.30E-09	1.21E-09	1.05E-09	9.14E-10	8.00E-10	7.06E-10	6.29E-10
WSW	1.35E-09	1.27E-09	1.12E-09	9.76E-10	8.59E-10	7.62E-10	6.81E-10
W	1.49E-09	1.35E-09	1.16E-09	9.93E-10	8.61E-10	7.54E-10	6.66E-10
WNW	1.93E-09	1.71E-09	1.46E-09	1.24E-09	1.07E-09	9.35E-10	8.22E-10
NW	2.37E-09	2.10E-09	1.80E-09	1.53E-09	1.32E-09	1.15E-09	1.01E-09
NNW	4.52E-09	3.73E-09	3.06E-09	2.53E-09	2.12E-09	1.80E-09	1.54E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	1.07E-09	9.36E-10	8.27E-10	7.36E-10	6.92E-10	6.30E-10	5.75E-10
NNE	1.36E-09	1.18E-09	1.03E-09	9.08E-10	8.58E-10	7.77E-10	7.07E-10
NE	7.84E-10	6.88E-10	6.08E-10	5.41E-10	5.09E-10	4.63E-10	4.23E-10
ENE	6.72E-10	5.88E-10	5.18E-10	4.59E-10	4.32E-10	3.93E-10	3.58E-10
E	6.51E-10	5.75E-10	5.10E-10	4.56E-10	4.28E-10	3.90E-10	3.57E-10
ESE	1.14E-09	1.01E-09	9.06E-10	8.16E-10	7.64E-10	6.99E-10	6.43E-10
SE	2.04E-09	1.83E-09	1.65E-09	1.50E-09	1.40E-09	1.28E-09	1.18E-09
SSE	2.08E-09	1.87E-09	1.70E-09	1.54E-09	1.44E-09	1.32E-09	1.22E-09
S	1.17E-09	1.04E-09	9.35E-10	8.44E-10	7.89E-10	7.23E-10	6.66E-10
SSW	7.17E-10	6.41E-10	5.76E-10	5.20E-10	4.86E-10	4.46E-10	4.10E-10
SW	5.63E-10	5.08E-10	4.60E-10	4.18E-10	3.90E-10	3.59E-10	3.31E-10
WSW	6.12E-10	5.53E-10	5.02E-10	4.58E-10	4.26E-10	3.93E-10	3.63E-10
W	5.93E-10	5.32E-10	4.79E-10	4.34E-10	4.05E-10	3.72E-10	3.42E-10
WNW	7.28E-10	6.50E-10	5.84E-10	5.27E-10	4.92E-10	4.51E-10	4.15E-10
NW	8.97E-10	8.01E-10	7.20E-10	6.50E-10	6.07E-10	5.57E-10	5.12E-10
NNW	1.34E-09	1.17E-09	1.03E-09	9.12E-10	8.59E-10	7.81E-10	7.12E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	5.28E-10	4.86E-10	4.49E-10	4.17E-10	3.87E-10	3.61E-10	3.37E-10
NNE	6.46E-10	5.93E-10	5.46E-10	5.05E-10	4.68E-10	4.35E-10	4.06E-10
NE	3.88E-10	3.58E-10	3.30E-10	3.06E-10	2.85E-10	2.65E-10	2.48E-10
ENE	3.28E-10	3.02E-10	2.79E-10	2.58E-10	2.40E-10	2.24E-10	2.09E-10
E	3.28E-10	3.03E-10	2.80E-10	2.60E-10	2.42E-10	2.26E-10	2.11E-10
ESE	5.93E-10	5.48E-10	5.09E-10	4.73E-10	4.41E-10	4.12E-10	3.86E-10
SE	1.09E-09	1.01E-09	9.43E-10	8.78E-10	8.21E-10	7.68E-10	7.20E-10
SSE	1.13E-09	1.05E-09	9.78E-10	9.12E-10	8.52E-10	7.98E-10	7.48E-10
S	6.14E-10	5.69E-10	5.28E-10	4.92E-10	4.59E-10	4.29E-10	4.02E-10
SSW	3.79E-10	3.76E-10	3.90E-10	3.92E-10	3.62E-10	3.34E-10	3.10E-10
SW	3.07E-10	2.98E-10	3.09E-10	3.18E-10	2.93E-10	2.71E-10	2.51E-10
WSW	3.36E-10	3.41E-10	3.44E-10	3.58E-10	3.30E-10	3.05E-10	2.83E-10
W	3.17E-10	3.11E-10	3.09E-10	3.19E-10	2.94E-10	2.72E-10	2.53E-10
WNW	3.83E-10	3.86E-10	3.86E-10	3.89E-10	3.59E-10	3.45E-10	3.20E-10
NW	4.73E-10	4.38E-10	4.07E-10	3.78E-10	3.53E-10	3.30E-10	3.09E-10
NNW	6.53E-10	6.01E-10	5.55E-10	5.14E-10	4.77E-10	4.44E-10	4.15E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	3.16E-10	2.96E-10	2.78E-10	2.62E-10	2.47E-10	2.33E-10	2.20E-10
NNE	3.79E-10	3.55E-10	3.33E-10	3.13E-10	2.95E-10	2.78E-10	2.63E-10
NE	2.32E-10	2.18E-10	2.04E-10	1.92E-10	1.81E-10	1.71E-10	1.62E-10
ENE	1.95E-10	1.83E-10	1.72E-10	1.62E-10	1.52E-10	1.44E-10	1.36E-10
E	1.98E-10	1.86E-10	1.75E-10	1.64E-10	1.55E-10	1.46E-10	1.39E-10
ESE	3.62E-10	3.40E-10	3.20E-10	3.02E-10	2.85E-10	2.69E-10	2.55E-10
SE	6.76E-10	6.35E-10	5.98E-10	5.64E-10	5.33E-10	5.04E-10	4.77E-10
SSE	7.03E-10	6.62E-10	6.23E-10	5.88E-10	5.56E-10	5.26E-10	4.98E-10
S	3.77E-10	3.54E-10	3.33E-10	3.14E-10	2.97E-10	2.81E-10	2.66E-10
SSW	2.88E-10	2.68E-10	2.50E-10	2.34E-10	2.20E-10	2.06E-10	1.94E-10
SW	2.44E-10	2.27E-10	2.12E-10	1.98E-10	1.86E-10	1.75E-10	1.64E-10
WSW	2.63E-10	2.45E-10	2.29E-10	2.14E-10	2.01E-10	1.89E-10	1.78E-10
W	2.47E-10	2.30E-10	2.15E-10	2.01E-10	1.88E-10	1.77E-10	1.66E-10
WNW	2.97E-10	2.76E-10	2.58E-10	2.41E-10	2.26E-10	2.12E-10	2.00E-10
NW	2.90E-10	2.73E-10	2.57E-10	2.42E-10	2.26E-10	2.16E-10	2.04E-10
NNW	3.88E-10	3.64E-10	3.41E-10	3.21E-10	3.03E-10	2.86E-10	2.70E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	2.09E-10	1.98E-10	1.88E-10	1.78E-10	1.70E-10	1.62E-10	1.54E-10
NNE	2.49E-10	2.36E-10	2.24E-10	2.13E-10	2.02E-10	1.93E-10	1.84E-10
NE	1.53E-10	1.45E-10	1.38E-10	1.31E-10	1.25E-10	1.19E-10	1.13E-10
ENE	1.29E-10	1.22E-10	1.16E-10	1.10E-10	1.05E-10	9.98E-11	9.51E-11
E	1.31E-10	1.24E-10	1.18E-10	1.12E-10	1.07E-10	1.02E-10	9.71E-11
ESE	2.42E-10	2.29E-10	2.18E-10	2.07E-10	1.97E-10	1.88E-10	1.79E-10
SE	4.53E-10	4.30E-10	4.08E-10	3.88E-10	3.69E-10	3.52E-10	3.36E-10
SSE	4.72E-10	4.48E-10	4.26E-10	4.05E-10	3.85E-10	3.67E-10	3.50E-10
S	2.52E-10	2.46E-10	2.34E-10	2.32E-10	2.34E-10	2.23E-10	2.12E-10
SSW	1.83E-10	1.73E-10	1.64E-10	1.59E-10	1.51E-10	1.43E-10	1.36E-10
SW	1.55E-10	1.46E-10	1.38E-10	1.31E-10	1.24E-10	1.18E-10	1.12E-10
WSW	1.68E-10	1.62E-10	1.54E-10	1.46E-10	1.38E-10	1.31E-10	1.25E-10
W	1.57E-10	1.48E-10	1.40E-10	1.33E-10	1.26E-10	1.20E-10	1.14E-10
WNW	1.88E-10	1.78E-10	1.68E-10	1.59E-10	1.51E-10	1.44E-10	1.37E-10
NW	1.94E-10	1.86E-10	1.77E-10	1.73E-10	1.76E-10	1.67E-10	1.59E-10
NNW	2.56E-10	2.43E-10	2.30E-10	2.19E-10	2.08E-10	1.98E-10	1.89E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	1.47E-10	1.41E-10	1.34E-10	1.29E-10	1.23E-10	1.18E-10	1.13E-10
NNE	1.75E-10	1.67E-10	1.60E-10	1.53E-10	1.47E-10	1.41E-10	1.35E-10
NE	1.08E-10	1.03E-10	9.88E-11	9.45E-11	9.05E-11	8.68E-11	8.32E-11
ENE	9.08E-11	8.67E-11	8.29E-11	7.94E-11	7.60E-11	7.28E-11	6.99E-11
E	9.26E-11	8.85E-11	8.46E-11	8.10E-11	7.75E-11	7.43E-11	7.13E-11
ESE	1.71E-10	1.63E-10	1.56E-10	1.49E-10	1.43E-10	1.37E-10	1.31E-10
SE	3.20E-10	3.06E-10	2.92E-10	2.80E-10	2.68E-10	2.57E-10	2.46E-10
SSE	3.34E-10	3.19E-10	3.05E-10	2.92E-10	2.80E-10	2.68E-10	2.57E-10
S	2.08E-10	1.98E-10	1.89E-10	1.81E-10	1.73E-10	1.66E-10	1.59E-10
SSW	1.30E-10	1.24E-10	1.18E-10	1.13E-10	1.08E-10	1.03E-10	9.90E-11
SW	1.08E-10	1.03E-10	9.82E-11	9.39E-11	8.98E-11	8.59E-11	8.24E-11
WSW	1.19E-10	1.13E-10	1.08E-10	1.03E-10	9.88E-11	9.46E-11	9.06E-11
W	1.08E-10	1.03E-10	9.87E-11	9.43E-11	9.02E-11	8.64E-11	8.28E-11
WNW	1.30E-10	1.24E-10	1.18E-10	1.13E-10	1.08E-10	1.04E-10	9.94E-11
NW	1.58E-10	1.51E-10	1.44E-10	1.38E-10	1.32E-10	1.26E-10	1.21E-10
NNW	1.80E-10	1.72E-10	1.65E-10	1.58E-10	1.51E-10	1.45E-10	1.39E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 8 Monticello Offgas Stack Dispersion Parameters for Long Term Elevated Releases >500 Hrs/Yr or >150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/Q), m^{-2}

Sector*	Miles 5.0
N	1.09E-10
NNE	1.30E-10
NE	7.99E11
ENE	6.71E-11
E	6.84E-11
ESE	1.26E-10
SE	2.36E-10
SSE	2.46E-10
S	1.52E-10
SSW	9.49E-11
SW	7.90E-11
WSW	8.69E-11
W	7.94E-11
WNW	9.53E-11
NW	1.16E-10
NNW	1.33E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 9 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr

Site Boundary Sector*	χ/Q (sec/m^3)	D/q (m^{-2})
N	1.55E-07	9.93E-09
NNE	1.41E-07	8.59E-09
NE	1.88E-07	1.16E-08
ENE	1.60E-07	6.04E-09
E	1.47E-07	9.15E-09
ESE	***	***
SE	***	***
SSE	***	***
S	***	***
SSW	***	***
SW	***	***
WSW	***	***
W	5.95E-08	2.91E-09
WNW	1.39E-07	4.68E-09
NW	***	***
NNW	2.33E-07	1.25E-08

Period of record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

Miles

Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	**	**	**	1.67E-07	1.85E-07	1.50E-07	1.18E-07
NNE	**	**	**	2.82E-07	2.50E-07	2.12E-07	1.69E-07
NE	**	**	**	7.93E-08	1.29E-07	1.21E-07	1.08E-07
ENE	**	**	**	1.63E-07	1.87E-07	1.77E-07	1.46E-07
E	**	**	**	8.63E-08	1.47E-07	1.29E-07	1.07E-07
ESE	**	**	**	***	***	6.17E-08	1.02E-07
SE	**	**	**	***	***	***	1.17E-07
SSE	**	**	**	***	***	***	1.04E-07
S	**	**	**	***	***	7.75E-08	1.13E-07
SSW	**	**	**	***	***	7.15E-08	1.03E-07
SW	**	**	**	***	***	4.73E-08	8.22E-08
WSW	**	**	**	***	***	3.82E-08	6.85E-08
W	**	**	**	***	4.06E-08	7.49E-08	8.73E-08
WNW	**	**	**	***	4.56E-08	8.41E-08	9.88E-08
NW	**	**	**	***	***	7.36E-08	1.08E-07
NNW	**	**	**	2.73E-07	2.57E-07	2.37E-07	1.94E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	1.52E-07	1.77E-07	1.94E-07	1.82E-07	1.96E-07	1.87E-07	2.07E-07
NNE	1.83E-07	2.05E-07	2.18E-07	2.30E-07	2.15E-07	1.99E-07	2.13E-07
NE	1.30E-07	1.60E-07	1.67E-07	1.75E-07	1.76E-07	1.61E-07	1.55E-07
ENE	1.62E-07	1.80E-07	1.75E-07	1.84E-07	1.96E-07	1.94E-07	1.91E-07
E	1.38E-07	1.62E-07	1.65E-07	1.75E-07	1.72E-07	1.59E-07	1.77E-07
ESE	1.36E-07	1.62E-07	1.71E-07	1.57E-07	1.62E-07	1.64E-07	1.70E-07
SE	1.56E-07	1.84E-07	1.98E-07	1.93E-07	2.02E-07	2.06E-07	2.46E-07
SSE	1.42E-07	1.78E-07	1.97E-07	2.50E-07	2.26E-07	2.35E-07	2.77E-07
S	1.55E-07	1.86E-07	2.07E-07	1.92E-07	2.08E-07	2.01E-07	2.71E-07
SSW	1.43E-07	1.64E-07	1.81E-07	1.86E-07	1.83E-07	1.79E-07	2.01E-07
SW	1.17E-07	1.45E-07	1.63E-07	1.77E-07	1.70E-07	1.74E-07	2.58E-07
WSW	9.91E-07	1.25E-07	1.31E-07	1.43E-07	1.62E-07	1.59E-07	2.45E-07
W	1.25E-07	1.56E-07	1.76E-07	1.86E-07	2.00E-07	2.04E-07	2.77E-07
WNW	1.39E-07	1.71E-07	1.89E-07	1.96E-07	2.04E-07	2.12E-07	2.79E-07
NNW	2.00E-07	2.24E-07	2.43E-07	2.48E-07	2.36E-07	2.14E-07	3.06E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	2.56E-07	1.89E-07	2.10E-07	2.05E-07	1.94E-07	1.88E-07	1.79E-07
NNE	2.59E-07	1.97E-07	2.23E-07	2.13E-07	1.97E-07	1.87E-07	1.77E-07
NE	1.71E-07	1.63E-07	1.55E-07	1.86E-07	1.77E-07	1.74E-07	1.66E-07
ENE	1.82E-07	1.67E-07	2.13E-07	1.89E-07	1.74E-07	1.69E-07	1.64E-07
E	1.73E-07	1.61E-07	1.51E-07	1.88E-07	1.75E-07	1.66E-07	1.59E-07
ESE	1.84E-07	1.77E-07	1.70E-07	***	1.55E-07	1.52E-07	1.50E-07
SE	2.06E-07	2.05E-07	1.90E-07	2.00E-07	2.01E-07	1.89E-07	1.77E-07
SSE	2.25E-07	2.10E-07	2.01E-07	2.21E-07	1.77E-07	1.78E-07	1.78E-07
S	2.10E-07	***	2.38E-07	2.35E-07	2.18E-07	2.04E-07	2.97E-07
SSW	1.90E-07	1.84E-07	2.46E-07	2.34E-07	2.24E-07	2.20E-07	2.17E-07
SW	1.80E-07	1.74E-07	1.69E-07	1.87E-07	2.01E-07	1.99E-07	1.91E-07
WSW	1.78E-07	1.76E-07	1.72E-07	1.89E-07	2.00E-07	1.99E-07	1.94E-07
W	2.14E-07	2.22E-07	2.50E-07	2.50E-07	2.32E-07	2.31E-07	2.23E-07
WNW	1.96E-07	1.87E-07	1.81E-07	1.97E-07	2.11E-07	2.09E-07	2.01E-07
NW	2.00E-07	1.90E-07	2.59E-07	2.40E-07	2.28E-07	2.10E-07	2.01E-07
NNW	2.28E-07	2.01E-07	1.96E-07	1.92E-07	1.87E-07	1.81E-07	1.74E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	1.70E-07	1.66E-07	1.58E-07	1.54E-07	1.51E-07	1.47E-07	1.37E-07
NNE	1.70E-07	1.62E-07	1.57E-07	1.51E-07	1.46E-07	1.44E-07	1.38E-07
NE	1.60E-07	1.53E-07	1.53E-07	1.47E-07	1.40E-07	1.36E-07	1.30E-07
ENE	1.57E-07	1.50E-07	1.47E-07	1.44E-07	1.36E-07	1.33E-07	1.28E-07
E	1.49E-07	1.44E-07	1.36E-07	1.33E-07	1.27E-07	1.23E-07	1.17E-07
ESE	1.48E-07	1.46E-07	1.43E-07	1.38E-07	1.33E-07	1.28E-07	1.23E-07
SE	1.95E-07	1.68E-07	1.64E-07	1.61E-07	1.55E-07	1.66E-07	1.60E-07
SSE	1.69E-07	1.58E-07	1.58E-07	1.50E-07	1.42E-07	1.35E-07	1.60E-07
S	1.65E-07	1.58E-07	1.51E-07	1.46E-07	1.41E-07	1.40E-07	1.65E-07
SSW	2.10E-07	2.11E-07	2.12E-07	1.89E-07	1.82E-07	1.76E-07	1.71E-07
SW	1.81E-07	1.90E-07	1.93E-07	1.93E-07	2.32E-07	2.23E-07	2.11E-07
WSW	1.82E-07	1.86E-07	1.79E-07	1.72E07	1.90E-07	1.84E-07	2.12E-07
W	2.15E-07	2.18E-07	2.20E-07	2.19E-07	2.10E-07	2.08E-07	2.05E-07
WNW	1.89E-07	1.89E-07	1.90E-07	1.93E-07	2.26E-07	2.18E-07	2.11E-07
NW	1.91E-07	1.86E-07	1.80E-07	1.76E-07	1.72E-07	1.69E-07	1.64E-07
NNW	1.72E-07	1.68E-07	1.68E-07	1.59E-07	1.54E-07	1.45E-07	1.36E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	1.35E-07	1.34E-07	1.32E-07	1.30E-07	1.28E-07	1.25E-07	1.23E-07
NNE	1.30E-07	1.26E-07	1.22E-07	1.19E-07	1.15E-07	1.12E-07	1.09E-07
NE	1.22E-07	1.20E-07	1.16E-07	1.14E-07	1.11E-07	1.09E-07	1.06E-07
ENE	1.21E-07	1.81E-07	1.15E-07	1.13E-07	1.10E-07	1.07E-07	1.04E-07
E	1.13E-07	1.10E-07	1.05E-07	1.03E-07	1.01E-07	1.01E-07	9.17E-08
ESE	1.19E-07	1.14E-07	1.08E-07	1.06E-07	1.03E-07	9.93E-08	9.89E-08
SE	1.31E-07	1.33E-07	1.35E-07	1.32E-07	1.26E-07	1.20E-07	1.15E-07
SSE	1.30E-07	1.32E-07	1.34E-07	1.35E-07	1.31E-07	1.26E-07	1.22E-07
S	1.63E-07	1.54E-07	1.46E-07	1.42E-07	1.34E-07	1.33E-07	1.32E-07
SSW	1.66E-07	1.57E-07	1.51E-07	1.46E-07	1.39E-07	1.34E-07	1.31E-07
SW	1.97E-07	1.82E-07	1.79E-07	1.71E-07	1.64E-07	1.59E-07	1.54E-07
WSW	2.02E-07	1.95E-07	1.85E-07	1.77E-07	1.69E-07	1.62E-07	1.54E-07
W	2.01E-07	1.92E-07	1.90E-07	1.84E-07	1.82E-07	1.78E-07	1.71E-07
WNW	2.02E-07	1.96E-07	1.92E-07	1.90E-07	1.85E-07	1.78E-07	1.75E-07
NW	1.70E-07	1.50E-07	1.48E-07	1.47E-07	1.39E-07	1.37E-07	1.38E-07
NNW	1.31E-07	1.30E-07	1.27E-07	1.22E-07	1.19E-07	1.16E-07	1.13E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	1.18E-07	1.15E-07	1.14E-07	1.11E-07	1.08E-07	1.06E-07	1.05E-07
NNE	1.07E-07	1.05E-07	1.01E-07	9.83E-08	9.61E-08	9.38E-08	9.04E-08
NE	1.03E-07	1.01E-07	9.84E-08	9.65E-08	9.20E-08	9.00E-08	8.81E-08
ENE	1.03E-07	1.01E-07	9.56E-08	9.34E-08	9.07E-08	8.79E-08	8.58E-08
E	9.00E-08	8.74E-08	8.37E-08	8.17E-08	7.94E-08	7.80E-08	7.64E-08
ESE	9.67E-08	9.46E-08	8.97E-08	8.91E-08	8.79E-08	8.64E-08	8.45E-08
SE	1.10E-07	1.06E-07	1.06E-07	1.02E-07	9.89E-08	1.03E-07	9.99E-08
SSE	1.18E-07	1.15E-07	1.11E-07	1.08E-07	1.12E-07	1.10E-07	1.08E-07
S	1.27E-07	1.23E-07	1.21E-07	1.17E-07	1.13E-07	1.10E-07	1.10E-07
SSW	1.27E-07	1.24E-07	1.21E-07	1.17E-07	1.15E-07	1.13E-07	1.08E-07
SW	1.52E-07	1.46E-07	1.43E-07	1.43E-07	1.41E-07	1.40E-07	1.38E-07
WSW	1.49E-07	1.43E-07	1.44E-07	1.43E-07	1.34E-07	1.33E-07	1.34E-07
W	1.66E-07	1.61E-07	1.56E-07	1.49E-07	1.42E-07	1.39E-07	1.35E-07
WNW	1.73E-07	1.67E-07	1.63E-07	1.58E-07	1.54E-07	1.49E-07	1.45E-07
NW	1.34E-07	1.27E-07	1.25E-07	1.24E-07	1.21E-07	1.19E-07	1.17E-07
NNW	1.10E-07	1.07E-07	1.02E-07	1.00E-07	9.75E-08	9.52E-08	9.37E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	1.01E-07	9.83E-08	9.37E-08	9.14E-08	8.97E-08	8.80E-08	8.61E-08
NNE	8.88E-08	8.71E-08	8.63E-08	8.42E-08	8.14E-08	8.00E-08	7.84E-08
NE	8.69E-08	8.53E-08	8.40E-08	8.25E-08	8.19E-08	8.02E-08	7.81E-08
ENE	8.42E-08	8.26E-08	8.09E-08	7.87E-08	7.69E-08	7.55E-08	7.38E-08
E	7.33E-08	7.27E-08	7.02E-08	6.85E-08	6.71E-08	6.56E-08	6.40E-08
ESE	8.27E-08	8.10E-08	7.40E-08	7.77E-08	7.61E-08	7.46E-08	7.32E-08
SE	9.71E-08	9.47E-08	9.24E-08	9.01E-08	8.78E-08	8.56E-08	8.18E-08
SSE	1.07E-07	1.02E-07	1.02E-07	9.90E-08	9.66E-08	9.41E-08	1.19E-07
S	1.06E-07	1.04E-07	1.02E-07	9.72E-08	9.63E-08	9.35E-08	9.03E-08
SSW	1.05E-07	1.03E-07	1.01E-07	9.78E-08	9.46E-08	9.20E-08	9.00E-08
SW	1.38E-07	1.37E-07	1.34E-07	1.30E-07	1.26E-07	1.24E-07	1.22E-07
WSW	1.31E-07	1.28E-07	1.28E-07	1.22E-07	1.20E-07	1.19E-07	1.18E-07
W	1.33E-07	1.28E-07	1.25E-07	1.24E-07	1.20E-07	1.17E-07	1.15E-07
WNW	1.43E-07	1.38E-07	1.35E-07	1.33E-07	1.33E-07	1.27E-07	1.25E-07
NW	1.14E-07	1.12E-07	1.11E-07	1.07E-07	1.04E-07	1.01E-07	9.74E-08
NNW	9.12E-08	8.89E-08	8.64E-08	8.31E-08	8.26E-08	8.08E-08	7.72E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 10 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

Sector*	Miles 5.0
N	8.28E-08
NNE	7.56E-08
NE	7.58E-08
ENE	7.11E-08
E	6.33E-08
ESE	7.16E-08
SE	8.10E-08
SSE	1.11E-07
S	8.84E-08
SSW	8.80E-08
SW	1.19E-07
WSW	1.13E-07
W	1.13E-07
WNW	1.21E-07
NW	9.51E-08
NNW	7.53E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

** Values less than the value for 0.4 miles.

*** See appropriate offgas stack long term elevated release values.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	**	**	**	1.32E-08	1.31E-08	9.45E-09	6.60E-09
NNE	**	**	**	2.39E-08	1.86E-08	1.39E-09	9.88E-09
NE	**	**	**	6.01E-09	7.80E-09	6.24E-09	4.92E-09
ENE	**	**	**	1.31E-08	1.14E-08	8.79E-09	6.20E-09
E	**	**	**	7.37E-09	9.17E-09	6.52E-09	4.58E-09
ESE	**	**	**	***	***	3.74E-09	5.28E-09
SE	**	**	**	***	***	***	6.26E-09
SSE	**	**	**	***	***	***	6.60E-09
S	**	**	**	***	***	4.41E-09	5.43E-09
SSW	**	**	**	***	***	3.39E-09	4.09E-09
SW	**	**	**	***	***	2.30E-09	3.34E-09
WSW	**	**	**	***	***	2.16E-09	3.17E-09
W	**	**	**	***	2.22E-09	3.38E-09	3.35E-09
WNW	**	**	**	***	2.55E-09	3.89E-09	3.94E-09
NW	**	**	**	***	***	3.17E-09	4.01E-09
NNW	**	**	**	2.13E-08	1.68E-08	1.30E-08	9.18E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	7.46E-09	7.64E-09	7.08E-09	5.61E-09	5.20E-09	4.30E-09	4.21E-09
NNE	9.52E-09	9.50E-09	8.74E-09	7.97E-09	6.49E-09	5.28E-09	5.05E-09
NE	5.32E-09	5.92E-09	5.43E-09	4.98E-09	4.43E-09	3.60E-09	3.11E-09
ENE	6.00E-09	5.94E-09	5.01E-09	4.56E-09	4.25E-09	3.75E-09	3.31E-09
E	5.18E-09	5.40E-09	4.74E-09	4.36E-09	3.76E-09	3.08E-09	3.09E-09
ESE	6.16E-09	6.58E-09	5.98E-09	4.72E-09	4.30E-09	3.89E-09	3.66E-09
SE	7.39E-09	7.99E-09	7.50E-09	6.40E-09	5.96E-09	5.50E-09	6.04E-09
SSE	7.58E-09	8.26E-09	7.59E-09	6.02E-09	6.29E-09	5.79E-09	6.12E-09
S	6.46E-09	6.88E-09	6.53E-09	5.17E-09	4.89E-09	4.19E-09	5.08E-09
SSW	4.90E-09	4.99E-09	4.71E-09	4.17E-09	3.58E-09	3.12E-09	3.17E-09
SW	5.67E-09	4.25E-09	3.97E-09	3.65E-09	3.03E-09	2.74E-09	3.65E-09
WSW	3.83E-09	4.16E-09	3.58E-09	3.23E-09	3.12E-09	2.66E-09	3.64E-09
W	4.14E-09	4.59E-09	4.35E-09	3.87E-09	3.59E-09	3.20E-09	3.87E-09
WNW	4.86E-09	5.37E-09	5.09E-09	4.51E-09	4.10E-09	3.77E-09	4.44E-09
NW	4.75E-09	5.16E-09	5.03E-09	4.25E-09	3.55E-09	3.43E-09	3.86E-09
NNW	8.37E-09	8.39E-09	7.94E-09	7.09E-09	5.96E-09	4.82E-09	6.18E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	4.63E-09	3.13E-09	3.20E-09	2.90E-09	2.69E-09	2.48E-09	2.24E-09
NNE	5.50E-09	3.78E-09	4.02E-09	3.56E-09	3.27E-09	2.95E-09	2.66E-09
NE	3.10E-09	2.65E-09	2.28E-09	2.48E-09	2.27E-09	2.08E-09	1.85E-09
ENE	2.86E-09	2.40E-09	2.81E-09	2.31E-09	2.08E-09	1.91E-09	1.76E-09
E	2.73E-09	2.35E-09	2.05E-09	2.39E-09	2.18E-09	1.96E-09	1.81E-09
ESE	3.62E-09	3.20E-09	2.86E-09	***	2.38E-09	2.22E-09	2.10E-09
SE	4.68E-09	4.28E-09	3.67E-09	3.61E-09	3.49E-09	3.09E-09	2.75E-09
SSE	4.50E-09	3.93E-09	3.57E-09	3.70E-09	2.90E-09	2.79E-09	2.69E-09
S	3.59E-09	***	3.58E-09	3.34E-09	3.04E-09	2.74E-09	2.55E-09
SSW	2.73E-09	2.34E-09	2.81E-09	2.42E-09	2.17E-09	1.97E-09	1.80E-09
SW	2.32E-09	1.98E-09	1.72E-09	1.72E-09	1.72E-09	1.57E-09	1.40E-09
WSW	2.38E-09	2.07E-09	1.80E-09	1.77E-09	1.73E-09	1.58E-09	1.42E-09
W	2.70E-09	2.47E-09	2.47E-09	2.22E-09	1.92E-09	1.75E-09	1.57E-09
WNW	2.83E-09	2.38E-09	2.06E-09	2.02E-09	2.03E-09	1.84E-09	1.64E-09
NW	3.09E-09	2.70E-09	3.41E-09	2.94E-09	2.70E-09	2.35E-09	2.13E-09
NNW	4.19E-09	3.41E-09	3.09E-09	2.84E-09	2.74E-09	2.54E-09	2.33E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

*** See appropriate long term values.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	2.04E-09	1.90E-09	1.75E-09	1.64E-09	1.53E-09	1.42E-09	1.27E-09
NNE	2.45E-09	2.25E-09	2.10E-09	1.95E-09	1.82E-09	1.73E-09	1.61E-09
NE	1.67E-09	1.51E-09	1.42E-09	1.30E-09	1.19E-09	1.11E-09	1.03E-09
ENE	1.61E-09	1.47E-09	1.38E-09	1.29E-09	1.18E-09	1.12E-09	1.04E-09
E	1.62E-09	1.51E-09	1.37E-09	1.30E-09	1.20E-09	1.12E-09	1.04E-09
ESE	1.99E-09	1.88E-09	1.78E-09	1.66E-09	1.55E-09	1.44E-09	1.34E-09
SE	2.89E-09	2.38E-09	2.24E-09	2.12E-09	1.97E-09	2.09E-09	1.97E-09
SSE	2.47E-09	2.24E-09	2.18E-09	2.01E-09	1.85E-09	1.72E-09	1.98E-09
S	2.06E-09	1.92E-09	1.80E-09	1.67E-09	1.54E-09	1.46E-09	1.64E-09
SSW	1.62E-09	1.64E-09	1.73E-09	1.57E-09	1.46E-09	1.37E-09	1.29E-09
SW	1.24E-09	1.27E-09	1.35E-09	1.40E-09	1.60E-09	1.48E-09	1.34E-09
WSW	1.24E-09	1.29E-09	1.26E-09	1.27E-09	1.35E-09	1.27E-09	1.42E-09
W	1.40E-09	1.40E-09	1.42E-09	1.47E-09	1.35E-09	1.27E-09	1.20E-09
WNW	1.43E-09	1.46E-09	1.48E-09	1.52E-09	1.68E-09	1.58E-09	1.44E-09
NW	1.93E-09	1.80E-09	1.67E-09	1.57E-09	1.45E-09	1.35E-09	1.25E-09
NNW	2.22E-09	2.09E-09	2.02E-09	1.85E-09	1.74E-09	1.58E-09	1.44E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	1.20E-09	1.15E-09	1.08E-09	1.03E-09	9.77E-10	9.22E-10	8.74E-10
NNE	1.47E-09	1.39E-09	1.31E-09	1.25E-09	1.17E-09	1.11E-09	1.06E-09
NE	9.37E-10	8.90E-10	8.37E-10	7.98E-10	7.54E-10	7.19E-10	6.82E10
ENE	9.64E-10	9.11E-10	8.65E-10	8.28E-10	7.85E-10	7.41E-10	7.09E-10
E	9.72E-10	9.18E-10	8.55E-10	8.15E-10	7.80E-10	7.63E-10	6.77E-10
ESE	1.26E-09	1.18E-09	1.09E-09	1.04E-09	9.85E-10	9.24E-10	9.01E-10
SE	1.58E-09	1.57E-09	1.56E-09	1.49E-09	1.40E-09	1.31E-09	1.23E-09
SSE	1.57E-09	1.55E-09	1.54E-09	1.52E-09	1.44E-09	1.36E-09	1.28E-09
S	1.56E-09	1.41E-09	1.29E-09	1.21E-09	1.10E-09	1.05E-09	1.01E-09
SSW	1.22E-09	1.12E-09	1.04E-09	9.83E-10	9.12E-10	8.63E-10	8.24E-10
SW	1.25E-09	1.11E-09	1.05E-09	9.69E-10	8.96E-10	8.36E-10	7.83E-10
WSW	1.31E-09	1.22E-09	1.13E-09	1.05E-09	9.80E-10	9.14E-10	8.49E-10
W	1.19E-09	1.09E-09	1.04E-09	9.69E-10	9.26E-10	8.75E-10	8.11E-10
WNW	1.31E-09	1.21E-09	1.12E-09	1.06E-09	9.78E-10	9.00E-10	8.43E-10
NW	1.23E-09	1.03E09	9.72E-10	9.26E-10	8.37E-10	7.94E-10	7.63E-10
NNW	1.35E-09	1.30E-09	1.25E-09	1.17E-09	1.11E-09	1.06E-09	1.44E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	8.20E-10	7.85E-10	7.57E-10	7.26E-10	6.90E-10	6.64E-10	6.42E-10
NNE	1.01E-09	9.76E-10	9.14E-10	8.72E-10	8.35E-10	7.98E-10	7.55E-10
NE	6.45E-10	6.15E-10	5.85E-10	5.60E-10	5.22E-10	4.99E-10	4.77E-10
ENE	6.83E-10	6.52E-10	6.06E-10	5.79E-10	5.51E-10	5.22E-10	5.00E-10
E	6.49E-10	6.16E-10	5.77E-10	5.51E-10	5.25E-10	5.05E-10	4.85E-10
ESE	8.60E-10	8.21E-10	7.64E-10	7.41E-10	7.16E-10	6.91E-10	6.61E-10
SE	1.16E-09	1.10E-09	1.08E-09	1.02E-09	9.68E-10	9.93E-10	9.48E-10
SSE	1.21E-09	1.15E-09	1.08E-09	1.02E-09	1.04E-09	9.94E-10	9.52E-10
S	9.44E-10	9.15E-10	8.76E-10	8.65E-10	8.63E-10	8.23E-10	7.95E-10
SSW	7.76E-10	7.35E-10	6.96E-10	6.69E-10	6.35E-10	6.08E-10	5.70E-10
SW	7.42E-10	6.82E-10	6.45E-10	6.21E-10	5.90E-10	5.64E-10	5.37E-10
WSW	7.90E-10	7.45E-10	7.21E-10	6.88E-10	6.21E-10	5.94E-10	5.78E-10
W	7.69E-10	7.29E-10	6.93E-10	6.50E-10	6.08E-10	5.83E-10	5.56E-10
WNW	8.16E-10	7.73E-10	7.41E-10	7.05E-10	6.72E-10	6.38E-10	6.11E-10
NW	7.24E-10	6.75E-10	6.45E-10	6.43E-10	6.48E-10	6.19E-10	5.95E-10
NNW	9.60E-10	9.10E-10	8.53E-10	8.18E-10	7.82E-10	7.49E-10	7.22E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	6.07E-10	5.80E-10	5.43E-10	5.20E-10	5.01E-10	4.83E-10	4.65E-10
NNE	7.27E-10	7.00E-10	6.81E-10	6.52E-10	6.20E-10	5.98E-10	5.76E-10
NE	4.61E-10	4.42E-10	4.27E-10	4.10E-10	3.99E-10	3.83E-10	3.66E-10
ENE	4.81E-10	4.63E-10	4.45E-10	4.24E-10	4.07E-10	3.92E-10	3.76E-10
E	4.55E-10	4.43E-10	4.19E-10	4.02E-10	3.86E-10	3.71E-10	3.55E-10
ESE	6.34E-10	6.06E-10	5.45E-10	5.59E-10	5.39E-10	5.19E-10	4.97E-10
SE	9.05E-10	8.70E-10	8.33E-10	8.01E-10	7.69E-10	7.38E-10	6.94E-10
SSE	9.43E-10	8.59E-10	8.39E-10	8.03E-10	7.73E-10	7.40E-10	9.18E-10
S	7.75E-10	7.42E-10	7.10E-10	6.65E-10	6.49E-10	6.21E-10	5.91E-10
SSW	5.39E-10	5.15E-10	4.91E-10	4.69E-10	4.47E-10	4.28E-10	4.13E-10
SW	5.23E-10	5.02E-10	4.74E-10	4.53E-10	4.35E-10	4.22E-10	4.08E-10
WSW	5.46E-10	5.16E-10	4.98E-10	4.69E-10	4.55E-10	4.45E-10	4.34E-10
W	5.35E-10	5.09E-10	4.89E-10	4.77E-10	4.53E-10	4.36E-10	4.20E-10
WNW	5.91E-10	5.61E-10	5.41E-10	5.24E-10	5.16E-10	4.87E-10	4.69E-10
NW	5.88E-10	5.66E-10	5.44E-10	5.17E-10	4.96E-10	4.72E-10	4.48E-10
NNW	6.90E-10	6.60E-10	6.30E-10	5.96E-10	5.83E-10	5.61E-10	5.28E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 11 Monticello Offgas Stack Dispersion Parameters for Short Term Elevated Releases ≤500 HrsYr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

Sector*	Miles 5.0
N	4.39E-10
NNE	5.46E-10
NE	3.48E-10
ENE	3.56E-10
E	3.45E-10
ESE	4.80E-10
SE	6.78E-10
SSE	8.45E-10
S	5.70E-10
SSW	3.98E-10
SW	3.92E-10
WSW	4.12E-10
W	4.05E-10
WNW	4.48E-10
NW	4.31E-10
NNW	5.06E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 12 Monticello Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr

Sector*	Distance Miles	Distance Meters	χ/q (sec/m)^3 No Decay Undepleted	D/q (m^{-2})
N	0.51	821.	5.18E-06	7.19E-08
NNE	0.58	933.	3.51E-06	5.02E-08
NE	0.65	1046.	2.33E-06	2.93E-08
ENE	0.83	1336.	1.82E-06	1.69E-08
E	0.59	950.	3.67E-06	3.90E-08
ESE	0.59	950.	4.95E-06	6.51E-08
SE	0.61	982.	4.96E-06	6.49E-08
SSE	0.43	692.	8.06E-06	1.18E-07
S	0.34	547.	6.92E-06	9.30E-08
SSW	0.32	515.	5.92E-06	7.04E-08
SW	0.32	515.	6.31E-06	8.24E-08
WSW	0.35	563.	4.91E-06	5.50E-08
W	0.48	772.	3.38E-06	3.82E-08
WNW	0.68	1094.	2.94E-06	2.88E-08
NW	0.43	692.	5.70E-06	7.09E-08
NNW	0.53	853.	4.44E-06	6.09E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	7.30E-05	2.19E-05	1.10E-05	7.14E-06	5.28E-06	4.19E-06	3.46E-06
NNE	5.81E-05	1.77E-05	8.96E-06	5.84E-06	4.23E-06	3.34E-06	2.79E-06
NE	4.26E-05	1.29E-05	6.69E-06	4.33E-06	3.19E-06	2.54E-06	2.16E-06
ENE	4.27E-05	1.29E-05	6.65E-06	4.32E-06	3.15E-06	2.53E-06	2.16E-06
E	5.76E-05	1.73E-05	9.22E-06	6.20E-06	4.51E-06	3.63E-06	3.04E-06
ESE	7.80E-05	2.30E-05	1.24E-05	8.28E-06	6.16E-06	4.84E-06	4.01E-06
SE	8.52E-05	2.48E-05	1.31E-05	8.85E-06	6.46E-06	5.08E-06	4.18E-06
SSE	8.87E-05	2.60E-05	1.36E-05	8.91E-06	6.53E-06	5.15E-06	4.22E-06
S	4.89E-05	1.47E-05	7.95E-06	5.35E-06	3.95E-06	3.17E-06	2.63E-06
SSW	4.04E-05	1.19E-05	6.58E-06	4.38E-06	3.34E-06	2.80E-06	2.46E-06
SW	4.37E-05	1.34E-05	7.26E-06	4.76E-06	3.62E-06	2.97E-06	2.62E-06
WSW	3.65E-05	1.09E-05	6.13E-06	4.11E-06	3.17E-06	2.70E-06	2.43E-06
W	4.07E-05	1.23E-05	6.47E-06	4.32E-06	3.19E-06	2.67E-06	2.35E-06
WNW	5.53E-05	1.65E-05	8.74E-06	5.74E-06	4.22E-06	3.37E-06	2.85E-06
NW	6.25E-05	1.85E-05	9.62E-06	6.32E-06	4.65E-06	3.76E-06	3.15E-06
NNW	7.11E-05	2.11E-05	1.04E-05	6.70E-06	4.78E-06	3.76E-06	3.15E-06

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	2.84E-06	2.43E-06	2.05E-06	1.79E-06	1.61E-06	1.46E-06	1.31E-06
NNE	2.33E-06	2.02E-06	1.71E-06	1.51E-06	1.37E-06	1.24E-06	1.12E-06
NE	1.83E-06	1.58E-06	1.37E-06	1.21E-06	1.11E-06	9.99E-06	9.23E-06
ENE	1.87E-06	1.64E-06	1.46E-06	1.31E-06	1.20E-06	1.11E-06	1.04E-06
E	2.51E-06	2.18E-06	1.87E-06	1.64E-06	1.50E-06	1.38E-06	1.26E-06
ESE	3.34E-06	2.77E-06	2.38E-06	2.07E-06	1.80E-06	1.59E-06	1.44E-06
SE	3.42E-06	2.82E-06	2.39E-06	2.07E-06	1.78E-06	1.57E-06	1.40E-06
SSE	3.47E-06	2.89E-06	2.43E-06	2.12E-06	1.86E-06	1.64E-06	1.47E-06
S	2.27E-06	1.96E-06	1.70E-06	1.51E-06	1.38E-06	1.27E-06	1.15E-06
SSW	2.18E-06	1.93E-06	1.74E-06	1.52E-06	1.48E-06	1.33E-06	1.21E-06
SW	2.26E-06	1.99E-06	1.81E-06	1.58E-06	1.44E-06	1.32E-06	1.21E-06
WSW	2.18E-06	1.94E-06	1.82E-06	1.63E-06	1.48E-06	1.39E-06	1.29E-06
W	2.07E-06	1.87E-06	1.67E-06	1.52E-06	1.41E-06	1.29E-06	1.19E-06
WNW	2.47E-06	2.15E-06	1.86E-06	1.68E-06	1.52E-06	1.37E-06	1.26E-06
NW	2.60E-06	2.22E-06	1.89E-06	1.64E-06	1.49E-06	1.34E-06	1.22E-06
NNW	2.64E-06	2.25E-06	1.90E-06	1.68E-06	1.50E-06	1.37E-06	1.25E-06

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	1.28E-06	1.15E-06	1.05E-06	9.60E-07	9.00E-07	8.28E-07	7.67E-07
NNE	1.11E-06	9.94E-07	9.14E-07	8.44E-07	7.91E-07	7.31E-07	6.94E-07
NE	8.63E-07	7.69E-07	7.26E-07	7.09E-07	6.71E-07	6.31E-07	6.08E-07
ENE	9.50E-07	9.08E-07	8.65E-07	8.22E-07	7.80E-07	7.31E-07	7.00E-07
E	1.15E-06	1.06E-06	1.02E-06	9.40E-07	8.72E-07	8.20E-07	7.72E-07
ESE	1.31E-06	1.16E-06	1.07E-06	1.03E-06	9.41E-07	8.73E-07	8.08E-07
SE	1.26E-06	1.15E-06	1.06E-06	1.01E-06	9.48E-07	8.74E-07	8.19E-07
SSE	1.33E-06	1.17E-06	1.09E-06	1.05E-06	9.69E-07	9.01E-07	8.34E-07
S	1.13E-06	1.00E-06	9.21E-07	8.55E-07	7.94E-07	7.33E-07	6.96E-07
SSW	1.19E-06	1.12E-06	1.08E-06	1.04E-06	1.02E-06	1.02E-06	9.95E-07
SW	1.18E-06	1.09E-06	1.06E-06	1.01E-06	9.62E-07	9.53E-07	9.34E-07
WSW	1.27E-06	1.21E-06	1.16E-06	1.09E-06	1.05E-06	1.04E-06	1.02E-06
W	1.19E-06	1.12E-06	1.06E-06	1.02E-06	1.01E-06	9.95E-07	9.91E-07
WNW	1.25E-06	1.16E-06	1.11E-06	1.06E-06	1.02E-06	1.01E-06	9.90E-07
NW	1.09E-06	9.91E-07	9.57E-07	8.87E-07	8.18E-07	7.65E-07	7.25E-07
NNW	1.24E-06	1.12E-06	1.03E-06	9.46E-07	8.85E-07	8.17E-07	7.74E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	7.21E-07	6.79E-07	6.38E-07	6.10E-07	5.92E-07	5.77E-07	5.62E-07
NNE	6.47E-07	6.14E-07	5.79E-07	5.45E-07	5.26E-07	4.99E-07	4.80E-07
NE	5.81E-07	5.55E-07	5.23E-07	5.11E-07	4.86E-07	4.63E-07	4.47E-07
ENE	6.68E-07	6.41E-07	6.10E-07	5.90E-07	5.62E-07	5.41E-07	5.22E-07
E	7.25E-07	6.92E-07	6.51E-07	6.19E-07	5.74E-07	5.53E-07	5.35E-07
ESE	7.53E-07	7.07E-07	6.62E-07	6.25E-07	5.91E-07	5.56E-07	5.28E-07
SE	7.76E-07	7.36E-07	7.02E-07	6.75E-07	6.37E-07	6.04E-07	5.74E-07
SSE	7.74E-07	7.28E-07	6.87E-07	6.46E-07	6.10E-07	5.77E-07	5.51E-07
S	6.44E-07	6.08E-07	5.80E-07	5.54E-07	5.40E-07	5.25E-07	5.14E-07
SSW	9.71E-07	9.89E-07	9.88E-07	9.58E-07	9.03E-07	8.47E-07	8.10E-07
SW	9.09E-07	9.03E-07	8.97E-07	8.65E-07	8.24E-07	7.90E-07	7.65E-07
WSW	9.86E-07	9.81E-07	9.76E-07	9.48E-07	8.87E-07	8.35E-07	7.92E-07
W	9.66E-07	9.80E-07	9.78E-07	9.56E-07	9.12E-07	8.87E-07	8.66E-07
WNW	9.90E-07	9.88E-07	9.97E-07	9.75E-07	9.54E-07	9.43E-07	9.29E-07
NW	6.91E-07	6.47E-07	6.07E-07	5.89E-07	5.72E-07	5.60E-07	5.51E-07
NNW	7.27E-07	6.76E-07	6.47E-07	6.28E-07	5.95E-07	5.74E-07	5.52E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	5.48E-07	5.29E-07	5.16E-07	5.02E-07	4.91E-07	4.99E-07	4.82E-07
NNE	4.65E-07	4.49E-07	4.30E-07	4.15E-07	3.98E-07	3.83E-07	3.71E-07
NE	4.31E-07	4.13E-07	3.96E-07	3.82E-07	3.66E-07	3.51E-07	3.39E-07
ENE	5.06E-07	4.87E-07	4.64E-07	4.52E-07	4.36E-07	4.25E-07	4.14E-07
E	5.13E-07	5.00E-07	4.80E-07	4.62E-07	4.45E-07	4.27E-07	4.09E-07
ESE	5.01E-07	4.74E-07	4.57E-07	4.36E-07	4.15E-07	3.99E-07	3.83E-07
SE	5.51E-07	5.28E-07	5.05E-07	4.78E-07	4.55E-07	4.35E-07	4.16E-07
SSE	5.27E-07	5.06E-07	4.85E-07	4.59E-07	4.44E-07	4.26E-07	4.10E-07
S	5.03E-07	4.91E-07	5.05E-07	4.93E-07	4.96E-07	4.76E-07	4.67E-07
SSW	7.70E-07	7.34E-07	7.03E-07	6.76E-07	6.48E-07	6.25E-07	5.97E-07
SW	7.38E-07	7.09E-07	6.87E-07	6.61E-07	6.43E-07	6.16E-07	5.94E-07
WSW	7.52E-07	7.13E-07	6.84E-07	6.52E-07	6.24E-07	6.02E-07	5.73E-07
W	8.43E-07	8.16E-07	7.91E-07	7.64E-07	7.44E-07	7.09E-07	6.90E-07
WNW	9.07E-07	8.94E-07	8.62E-07	8.44E-07	8.18E-07	8.00E-07	7.84E-07
NW	5.34E-07	5.22E-07	5.28E-07	5.15E-07	5.16E-07	5.04E-07	4.97E-07
NNW	5.28E-07	5.08E-07	4.93E-07	4.74E-07	4.55E-07	4.35E-07	4.20E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	4.65E-07	4.49E-07	4.32E-07	4.19E-07	4.06E-07	3.95E-07	3.83E-07
NNE	3.58E-07	3.47E-07	3.37E-07	3.25E-07	3.16E-07	3.18E-07	3.08E-07
NE	3.29E-07	3.18E-07	3.10E-07	3.01E-07	2.93E-07	2.90E-07	2.77E-07
ENE	4.02E-07	3.90E-07	3.80E-07	3.72E-07	3.60E-07	3.55E-07	3.46E-07
E	3.97E-07	3.83E-07	3.72E-07	3.74E-07	3.66E-07	3.55E-07	3.44E-07
ESE	3.71E-07	3.57E-07	3.42E-07	3.37E-07	3.28E-07	3.17E-07	3.06E-07
SE	4.01E-07	3.86E-07	3.70E-07	3.61E-07	3.48E-07	3.44E-07	3.42E-07
SSE	3.92E-07	3.78E-07	3.68E-07	3.66E-07	3.52E-07	3.41E-07	3.29E-07
S	4.49E-07	4.43E-07	4.36E-07	4.29E-07	4.22E-07	4.16E-07	4.12E-07
SSW	5.79E-07	5.58E-07	5.49E-07	5.38E-07	5.25E-07	5.14E-07	5.02E-07
SW	5.80E-07	5.64E-07	5.48E-07	5.28E-07	5.15E-07	5.04E-07	4.94E-07
WSW	5.61E-07	5.59E-07	5.50E-07	5.35E-07	5.23E-07	5.13E-07	4.90E-07
W	6.66E-07	6.40E-07	6.16E-07	5.94E-07	5.73E-07	5.54E-07	5.36E-07
WNW	7.52E-07	7.22E-07	6.90E-07	6.65E-07	6.37E-07	6.19E-07	5.97E-07
NW	4.79E-07	4.71E-07	4.66E-07	4.57E-07	4.49E-07	4.41E-07	4.38E-07
NNW	4.07E-07	3.95E-07	3.86E-07	3.72E-07	3.68E-07	3.57E-07	3.51E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	3.65E-07	3.55E-07	3.41E-07	3.33E-07	3.25E-07	3.20E-07	3.12E-07
NNE	3.08E-07	3.00E-07	2.85E-07	2.79E-07	2.72E-07	2.66E-07	2.59E-07
NE	2.79E-07	2.69E-07	2.53E-07	2.53E-07	2.48E-07	2.41E-07	2.36E-07
ENE	3.36E-07	3.29E-07	3.12E-07	3.07E-07	3.00E-07	2.98E-07	2.91E-07
E	3.37E-07	3.28E-07	3.19E-07	3.11E-07	3.02E-07	2.95E-07	2.85E-07
ESE	2.98E-07	2.89E-07	2.80E-07	2.71E-07	2.63E-07	2.56E-07	2.48E-07
SE	3.32E-07	3.20E-07	3.10E-07	3.01E-07	2.92E-07	2.83E-07	2.75E-07
SSE	3.21E-07	3.11E-07	3.02E-07	2.92E-07	2.84E-07	2.75E-07	2.68E-07
S	4.03E-07	3.94E-07	3.87E-07	3.76E-07	3.65E-07	3.53E-07	3.43E-07
SSW	4.92E-07	4.81E-07	4.71E-07	4.57E-07	4.39E-07	4.26E-07	4.11E-07
SW	4.84E-07	4.79E-07	4.69E-07	4.54E-07	4.39E-07	4.25E-07	4.12E-07
WSW	4.89E-07	4.77E-07	4.66E-07	4.50E-07	4.35E-07	4.24E-07	4.11E-07
W	5.19E-07	5.03E-07	4.87E-07	4.73E-07	4.56E-07	4.43E-07	4.25E-07
WNW	5.78E-07	5.59E-07	5.41E-07	5.25E-07	5.09E-07	4.92E-07	4.78E-07
NW	4.29E-07	4.20E-07	4.11E-07	4.00E-07	3.88E-07	3.77E-07	3.66E-07
NNW	3.45E-07	3.32E-07	3.22E-07	3.15E-07	3.07E-07	2.98E-07	2.91E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 13 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (χ/q), sec/m^3

Sector*	Miles 5.0
N	3.03E-07
NNE	2.52E-07
NE	2.30E-07
ENE	2.84E-07
E	2.82E-07
ESE	2.41E-07
SE	2.67E-07
SSE	2.62E-07
S	4.67E-07
SSW	4.00E-07
SW	3.99E-07
WSW	3.99E-07
W	4.12E-07
WNW	4.66E-07
NW	3.52E-07
NNW	2.78E-07

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Reactor Vent.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	0.1	0.2	0.3	0.4	0.5	0.6	0.7
N	6.91E-07	2.69E-07	1.52E-07	1.01E-07	7.36E-08	5.53E-08	4.28E-08
NNE	5.55E-07	2.24E-07	1.30E-07	8.81E-08	6.33E-08	4.71E-08	3.65E-08
NE	3.90E-07	1.58E-07	9.37E-08	6.24E-08	4.48E-08	3.32E-08	2.59E-08
ENE	3.50E-07	1.43E-07	8.49E-08	5.71E-08	4.08E-08	3.02E-08	2.33E-08
E	4.63E-07	1.86E-07	1.10E-07	7.39E-08	5.16E-08	3.82E-08	2.91E-08
ESE	8.49E-07	3.27E-07	1.86E-07	1.21E-07	8.62E-08	6.33E-08	4.88E-08
SE	9.41E-07	3.56E-07	1.96E-07	1.29E-07	9.01E-08	6.69E-08	5.19E-08
SSE	9.60E-07	3.67E-07	2.02E-07	1.32E-07	9.36E-08	6.99E-08	5.40E-08
S	4.50E-07	1.79E-07	1.06E-07	7.18E-08	5.11E-08	3.80E-08	2.88E-08
SSW	3.27E-07	1.30E-07	7.81E-08	5.13E-08	3.67E-08	2.75E-08	2.15E-08
SW	4.13E-07	1.67E-07	9.51E-08	6.02E-08	4.24E-08	3.12E-08	2.46E-08
WSW	2.82E-07	1.14E-07	6.90E-08	4.53E-08	3.27E-08	2.46E-08	1.94E-08
W	3.06E-07	1.25E-07	7.41E-08	5.02E-08	3.55E-08	2.68E-08	2.10E-08
WNW	4.25E-07	1.69E-07	9.89E-08	6.61E-08	4.73E-08	3.52E-08	2.73E-08
NW	5.40E-07	2.12E-07	1.21E-07	7.91E-08	5.61E-08	4.23E-08	3.28E-08
NNW	6.42E-07	2.53E-07	1.42E-07	9.39E-08	6.65E-08	4.95E-08	3.87E-08

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	0.8	0.9	1.0	1.1	1.2	1.3	1.4
N	3.25E-08	2.57E-08	1.99E-08	1.61E-08	1.34E-08	1.13E-08	9.77E-09
NNE	2.79E-08	2.22E-08	1.71E-08	1.39E-08	1.16E-08	9.77E-09	8.45E-09
NE	1.99E-08	1.56E-08	1.23E-08	1.00E-08	8.52E-09	7.15E-09	6.20E-09
ENE	1.80E-08	1.41E-08	1.12E-08	9.11E-09	7.57E-09	6.45E-09	5.55E09
E	2.17E-08	1.70E-08	1.33E-08	1.07E-08	9.01E-09	7.69E-09	6.56E-09
ESE	3.78E-08	2.92E-08	2.35E-08	1.93E-08	1.59E-08	1.34E-08	1.16E-08
SE	3.99E-08	3.10E-08	2.48E-08	2.04E-08	1.67E-08	1.40E-08	1.20E-08
SSE	4.16E-08	3.26E-08	2.57E-08	2.12E-08	1.76E-08	1.48E-08	1.27E-08
S	2.26E-08	1.78E-08	1.41E-08	1.16E-08	9.75E-09	8.85E-09	7.48E-09
SSW	1.69E-08	1.34E-08	1.10E-08	9.02E-09	7.60E-09	6.52E-09	5.84E-09
SW	1.89E-08	1.51E-08	1.25E-08	1.01E-08	8.52E-09	7.27E-09	6.61E-09
WSW	1.52E-08	1.20E-08	1.01E-08	8.20E-09	6.85E-09	5.94E-09	5.35E-09
W	1.62E-08	1.31E-08	1.04E-08	8.64E-09	7.29E-09	6.19E-09	5.49E-09
WNW	2.16E-08	1.72E-08	1.36E-08	1.12E-08	9.47E-09	7.95E-09	7.18E-09
NW	2.49E-08	1.97E-08	1.55E-08	1.26E-08	1.07E-08	9.05E-09	7.82E-09
NNW	3.00E-08	2.36E-08	1.82E-08	1.49E-08	1.22E-08	1.05E-08	9.21E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	1.5	1.6	1.7	1.8	1.9	2.0	2.1
N	8.90E-09	7.61E-09	6.62E-09	5.81E-09	5.23E-09	4.63E-09	4.13E-09
NNE	7.75E-09	6.61E-09	5.79E-09	5.10E-09	4.56E-09	4.07E-09	3.71E-09
NE	5.46E-09	4.54E-09	4.02E-09	3.69E-09	3.30E-09	2.93E-09	2.48E-09
ENE	4.71E-09	4.19E-09	3.73E-09	3.33E-09	2.98E-09	2.64E-09	2.40E-09
E	5.63E-09	4.93E-09	4.49E-09	3.96E-09	3.53E-09	3.18E-09	2.88E-09
ESE	1.01E-08	8.60E-09	7.60E-09	7.07E-09	6.28E-09	5.64E-09	5.07E-09
SE	1.03E-08	9.00E-09	7.94E-09	7.17E-09	6.48E-09	5.74E-09	5.17E-09
SSE	1.10E-08	9.30E-09	8.32E-09	7.72E-09	6.89E-09	6.20E-09	5.56E-09
S	6.89E-09	5.81E-09	5.11E-09	4.54E-09	4.06E-09	3.61E-09	3.30E-09
SSW	5.34E-09	4.70E-09	4.14E-09	3.63E-09	3.26E-09	3.21E-09	2.88E-09
SW	6.60E-09	5.31E-09	4.72E-09	4.14E-09	3.66E-09	3.56E-09	3.24E-09
WSW	4.91E-09	4.44E-09	3.92E-09	3.40E-09	3.03E-09	3.03E-09	2.76E-09
W	5.07E-09	4.44E-09	3.82E-09	3.36E-09	3.07E-09	2.96E-09	2.71E-09
WNW	6.67E-09	5.78E-09	5.06E-09	4.43E-09	3.92E-09	3.71E-09	3.34E-09
NW	6.67E-09	5.73E-09	5.26E-09	4.65E-09	4.11E-09	3.68E-09	3.35E-09
NNW	8.53E-09	7.30E-09	6.36E-09	5.58E-09	5.00E-09	4.42E-09	4.03E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	2.2	2.3	2.4	2.5	2.6	2.7	2.8
N	3.75E-09	3.42E-09	3.11E-09	2.88E-09	2.68E-09	2.53E-09	2.38E-09
NNE	3.34E-09	3.06E-09	2.79E-09	2.55E-09	2.38E-09	2.20E-09	2.06E-09
NE	2.43E-09	2.21E-09	2.02E-09	1.89E-09	1.74E-09	1.61E-09	1.51E-09
ENE	2.18E-09	2.03E-09	1.85E-09	1.70E-09	1.57E-09	1.46E-09	1.36E-09
E	2.61E-09	2.41E-09	2.20E-09	2.02E-09	1.82E-09	1.71E-09	1.61E-09
ESE	4.60E-09	4.21E-09	3.84E-09	3.54E-09	3.28E-09	3.01E-09	2.80E-09
SE	4.71E-09	4.43E-09	4.07E-09	3.79E-09	3.49E-09	3.24E-09	3.02E-09
SSE	5.01E-09	4.58E-09	4.21E-09	3.86E-09	3.55E-09	3.28E-09	3.06E-09
S	2.95E-09	2.70E-09	2.50E-09	2.32E-09	2.15E-09	2.00E-09	1.86E-09
SSW	2.60E-09	2.45E-09	2.28E-09	2.06E-09	1.90E-09	1.75E-09	1.64E-09
SW	2.93E-09	2.72E-09	2.53E-09	2.29E-09	2.11E-09	1.96E-09	1.84E-09
WSW	2.48E-09	2.31E-09	2.16E-09	1.98E-09	1.81E-09	1.68E-09	1.56E-09
W	2.44E-09	2.29E-09	2.12E-09	1.93E-09	1.77E-09	1.66E-09	1.57E-09
WNW	3.09E-09	2.85E-09	2.67E-09	2.43E-09	2.25E-09	2.11E-09	1.98E-09
NW	3.06E-09	2.76E-09	2.58E-09	2.41E-09	2.25E-09	2.10E-09	1.98E-09
NNW	3.64E-09	3.26E-09	3.04E-09	2.85E-09	2.62E-09	2.45E-09	2.29E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	2.9	3.0	3.1	3.2	3.3	3.4	3.5
N	2.23E-09	2.09E-09	1.96E-09	1.84E-09	1.74E-09	1.73E-09	1.63E-09
NNE	1.94E-09	1.82E-09	1.71E-09	1.61E-09	1.51E-09	1.42E-09	1.35E-09
NE	1.42E-09	1.33E-09	1.25E-09	1.17E-09	1.10E-09	1.03E-09	9.77E-10
ENE	1.28E-09	1.20E-09	1.11E-09	1.05E-09	9.92E-10	9.42E-10	8.97E-10
E	1.50E-09	1.43E-09	1.34E-09	1.26E-09	1.19E-09	1.11E-09	1.04E-10
ESE	2.60E-09	2.42E-09	2.29E-09	2.15E-09	2.00E-09	1.90E-09	1.79E-09
SE	2.84E-09	2.67E-09	2.50E-09	2.32E-09	2.18E-09	2.05E-09	1.93E-09
SSE	2.86E-09	2.69E-09	2.53E-09	2.34E-09	2.23E-09	2.10E-09	1.98E-09
S	1.74E-09	1.63E-09	1.64E-09	1.54E-09	1.48E-09	1.36E-09	1.29E-09
SSW	1.53E-09	1.44E-09	1.36E-09	1.29E-09	1.22E-09	1.16E-09	1.10E-09
SW	1.73E-09	1.61E-09	1.52E-09	1.43E-09	1.36E-09	1.27E-09	1.21E-09
WSW	1.46E-09	1.37E-09	1.29E-09	1.22E-09	1.15E-09	1.10E-09	1.04E-09
W	1.48E-09	1.40E-09	1.32E-09	1.24E-09	1.18E-09	1.10E-09	1.05E-09
WNW	1.84E-09	1.74E-09	1.61E-09	1.52E-09	1.42E-09	1.52E-09	1.56E-09
NW	1.83E-09	1.72E-09	1.67E-09	1.59E-09	1.53E-09	1.42E-09	1.36E-09
NNW	2.13E-09	2.01E-09	1.90E-09	1.79E-09	1.67E-09	1.57E-09	1.49E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	3.6	3.7	3.8	3.9	4.0	4.1	4.2
N	1.55E-09	1.47E-09	1.40E-09	1.34E-09	1.29E-09	1.24E-09	1.20E-09
NNE	1.27E-09	1.21E-09	1.16E-09	1.09E-09	1.04E-09	1.03E-09	9.85E-10
NE	9.27E-10	8.82E-10	8.44E-10	8.04E-10	7.68E-10	7.48E-10	7.05E-10
ENE	8.50E-10	8.08E-10	7.71E-10	7.38E-10	7.01E-10	6.78E-10	6.48E-10
E	9.92E-10	9.39E-10	8.94E-10	8.83E-10	8.48E-10	8.09E-10	7.71E-10
ESE	1.71E-09	1.61E-09	1.53E-09	1.48E-09	1.42E-09	1.35E-09	1.29E-09
SE	1.83E-09	1.73E-09	1.64E-09	1.57E-09	1.50E-09	1.46E-09	1.44E-09
SSE	1.86E-09	1.76E-09	1.69E-09	1.65E-09	1.56E-09	1.49E-09	1.42E-09
S	1.20E-09	1.16E-09	1.11E-09	1.07E-09	1.03E-09	9.96E-10	9.67E-10
SSW	1.04E-09	9.85E-10	9.51E-10	9.16E-10	8.78E-10	8.46E-10	8.15E-10
SW	1.14E-09	1.08E-09	1.02E-09	9.62E-10	1.01E-09	9.88E-10	9.93E-10
WSW	9.89E-10	9.58E-10	9.19E-10	8.74E-10	8.35E-10	8.03E-10	7.53E-10
W	1.01E-09	9.61E-10	9.21E-10	8.85E-10	8.52E-10	8.21E-10	7.93E-10
WNW	1.49E-09	1.42E-09	1.34E-09	1.29E-09	1.23E-09	1.18E-09	1.14E-09
NW	1.28E-09	1.23E-09	1.19E-09	1.14E-09	1.10E-09	1.06E-09	1.03E-09
NNW	1.41E-09	1.34E-09	1.29E-09	1.22E-09	1.19E-09	1.14E-09	1.10E-09

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

	Miles						
Sector*	4.3	4.4	4.5	4.6	4.7	4.8	4.9
N	1.13E-09	1.09E-09	1.05E-09	1.02E-09	9.85E-10	9.67E-10	9.40E-10
NNE	9.68E-10	9.29E-10	8.71E-10	8.40E-10	8.07E-10	7.79E-10	7.49E-10
NE	6.98E-10	6.63E-10	6.16E-10	6.06E-10	5.87E-10	5.62E-10	5.45E-10
ENE	6.19E-10	5.96E-10	5.55E-10	5.37E-10	5.17E-10	5.06E-10	4.86E-10
E	7.43E-10	7.10E-10	6.81E-10	6.53E-10	6.25E-10	6.01E-10	5.72E-10
ESE	1.24E-09	1.18E-09	1.13E-09	1.08E-09	1.04E-09	9.99E-10	9.57E-10
SE	1.38E-09	1.31E-09	1.26E-09	1.21E-09	1.16E-09	1.12E-09	1.07E-09
SSE	1.36E-09	1.30E-09	1.25E-09	1.18E-09	1.14E-09	1.09E-09	1.05E-09
S	9.28E-10	8.94E-10	8.64E-10	8.38E-10	8.12E-10	7.83E-10	7.60E-10
SSW	7.88E-10	7.61E-10	7.38E-10	7.17E-10	6.89E-10	6.70E-10	6.49E-10
SW	1.09E-09	1.06E-09	1.11E-09	1.07E-09	1.02E-09	9.83E-10	9.46E-10
WSW	7.39E-10	7.09E-10	7.33E-10	7.08E-10	6.86E-10	6.70E-10	6.50E-10
W	7.67E-10	7.44E-10	7.22E-10	7.02E-10	6.79E-10	6.61E-10	6.36E-10
WNW	1.10E-09	1.06E-09	1.02E-09	9.86E-10	9.55E-10	9.22E-10	8.94E-10
NW	9.96E-10	9.60E-10	9.27E-10	9.00E-10	8.73E-10	8.48E-10	8.24E-10
NNW	1.07E-09	1.02E-09	1.01E-09	9.77E-10	9.43E-10	9.13E-10	8.84E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.

Table 14 Reactor Building Vent Dispersion Parameters for Short Term Elevated Releases ≤500 Hrs/Yr or ≤150 Hrs/Qtr (cont'd)

For Standard Distances (As Measured from the Offgas Stack) (D/q), m^{-2}

Sector*	Miles 5.0
N	9.09E-10
NNE	7.21E-10
NE	5.24E-10
ENE	4.68E-10
E	5.58E-10
ESE	9.19E-10
SE	1.04E-09
SSE	1.01E-09
S	1.29E-09
SSW	6.32E-10
SW	9.10E-10
WSW	6.32E-10
W	6.21E-10
WNW	8.70E-10
NW	7.93E-10
NNW	8.42E-10

Period of Record: 9-1-76 to 8-31-78

* Measured relevant to the Offgas Stack.