

Table 5.2: Example of transfer matrix from Appendix 8.  
 Total annual sulfur deposition in  $\text{kg ha}^{-1} \text{yr}^{-1}$   
 (Table A8-10)

Source Regions	Receptor Areas										
	B. Waters	Alg.	Musk.	Que.	S. N.Sc.	Vt. N.H.	Adir.	Penn.	Smokies		
Models	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
1	MOE 0.10	MOE 0.75	MOE 1.8	MOE 0.58	MOE 0.66	MOE 1.0	MOE 1.6	MOE 3.4	MOE 0.19		
Mich.	AES 0.30	AES 4.5	AES 6.7	AES 1.7	AES 0.60	AES 1.6	AES 2.2	AES 4.7	AES 0.30		
2											
Ill.	MOE 0.28	MOE 1.3	MOE 1.8	MOE 0.78	MOE 0.93	MOE 1.2	MOE 1.7	MOE 4.5	MOE 2.8		
Ind.	AES 0.30	AES 3.5	AES 3.4	AES 0.80	AES 0.40	AES 0.90	AES 1.4	AES 4.2	AES 4.3		
3	MOE 0.16	MOE 0.65	MOE 1.4	MOE 0.77	MOE 1.2	MOE 1.4	MOE 2.2	MOE 10.2	MOE 1.0		
Ohio	AES 0	AES 0.90	AES 6.7	AES 1.8	AES 1.2	AES 3.9	AES 5.9	AES 28.9	AES 2.2		
4	MOE 0.06	MOE 0.26	MOE 0.65	MOE 0.46	MOE 0.91	MOE 0.90	MOE 1.4	MOE 11.8	MOE 0.24		
Penn.	AES 0	AES 0.40	AES 1.9	AES 1.2	AES 0.70	AES 2.8	AES 4.3	AES 26.0	AES 0.20		
5											
N. York to Maine	MOE 0.05	MOE 0.18	MOE 0.52	MOE 0.66	MOE 2.8	MOE 1.6	MOE 2.3	MOE 0.93	MOE 0.11		
6	AES 0	AES 0.40	AES 1.2	AES 2.5	AES 6.5	AES 4.7	AES 6.1	AES 1.1	AES 0		
7	MOE 0.07	MOE 0.23	MOE 0.35	MOE 0.21	MOE 0.31	MOE 0.33	MOE 0.44	MOE 1.3	MOE 5.0		
Kent. Tenn.	AES 0	AES 0.30	AES 1.3	AES 0.10	AES 0.20	AES 0.40	AES 0.90	AES 3.6	AES 15.2		
8	MOE 0.08	MOE 0.27	MOE 0.57	MOE 0.46	MOE 1.0	MOE 0.83	MOE 1.1	MOE 3.7	MOE 0.62		
W. Virg. to N.C.	AES 0	AES 0.10	AES 0.50	AES 0.60	AES 0.50	AES 1.5	AES 2.0	AES 7.3	AES 1.5		
9	MOE 0.22	MOE 1.1	MOE 0.94	MOE 0.37	MOE 0.36	MOE 0.51	MOE 0.68	MOE 1.1	MOE 2.9		
Rest of (USA) Fld to Mo. to Minn.	AES 2.5	AES 4.2	AES 1.8	AES 0.40	AES 0.30	AES 0.50	AES 0.90	AES 3.4	AES 18.7		
10	MOE 0.14	MOE 1.2	MOE 3.7	MOE 2.3	MOE 1.2	MOE 2.4	MOE 2.6	MOE 1.2	MOE 0.09		
Ontario	AES 0.10	AES 3.9	AES 13.2	AES 3.1	AES 1.3	AES 3.8	AES 5.4	AES 3.1	AES 0.10		
11	MOE 0.06	MOE 0.25	MOE 0.46	MOE 2.3	MOE 1.0	MOE 3.6	MOE 0.86	MOE 0.17	MOE 0.03		
Quebec	AES 0.10	AES 0.50	AES 1.2	AES 4.3	AES 1.5	AES 7.2	AES 2.5	AES 0.20	AES 0		
Atlantic Provinces Western Canada	MOE 0	MOE 0.01	MOE 0.02	MOE 0.07	MOE 0.35	MOE 0.07	MOE 0.04	MOE 0.02	MOE 0		
	AES 0	AES 0	AES 0	AES 0.10	AES 3.2	AES 0.10	AES 0	AES 0	AES 0		
Total.	MOE 1.2	MOE 6.2	MOE 12.2	MOE 8.9	MOE 10.8	MOE 13.8	MOE 14.9	MOE 38.3	MOE 13.0		
Concen- tration	AES 3.9	AES 18.8	AES 38.1	AES 16.7	AES 16.3	AES 27.4	AES 31.8	AES 82.5	AES 42.6		

\*Note: In order to calculate the total deposition at each site, the deposition resulting from background in the amount of  $0.2 \text{ g.m}^{-2} \text{ yr}^{-1}$  (or  $2.0 \text{ kg.ha}^{-1} \text{ yr}^{-1}$ ) should be added to this row.