

Sample Calculation of Emission Factors

(for input to Caline4 model)

Emission factor (g/mil-veh) E.F.= summation (EFFi* NOi) / summation NOi
where EFFi is EURO III emission factors in 2011 for each type of vehicle
and NOi is the number the a particular type of vehicle

For Tung Chung Road, the traffic break-down is:

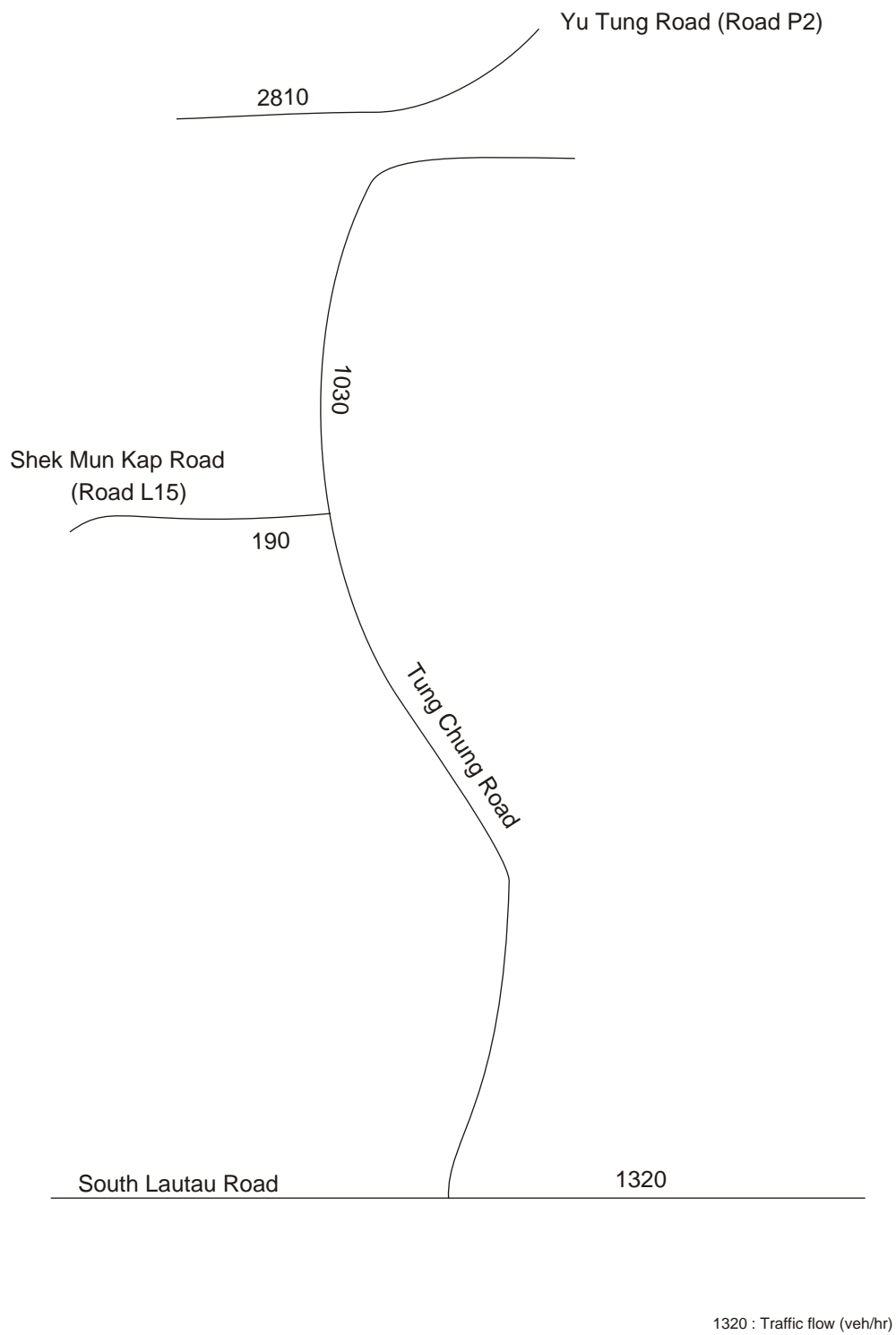
Car	Taxi	Coach	LGV	HGV	Bus
500	108	10	221	149	46

E.F. for NOx

$$= (500*0.71 + 108*0.73 + 10*5.54 + 221*1.23 + 149*3.84 + 46*6.8) / 1030 *1.6093$$
$$= 2.58 \text{ g/mil-veh}$$

E.F. for RSP

$$= (500*0.03 + 108*0.01 + 10*0.5 + 221*0.11 + 149*0.53 + 46*0.69) / 1030 *1.6093$$
$$= 0.24 \text{ g/mil-veh}$$



ROAD LINKS FOR INPUT TO CALINE 4

Mouchel

Drawing No.

E1

IBM-PC VERSION (1.91)
 (C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
 SERIAL NUMBER 0000
 SOLD TO TRINITY CONSULTANTS
 RUN BEGAN ON 01-23-02 AT 10:20:17

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOx GAS

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 4 (D) VS= .0 CM/S
 MIXH= 500. M AMB= .0 PPM
 SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK	COORDINATES (M)				* EF	H	W	
DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 1	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
B. 2	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
C. 3	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
D. 4	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
E. 5	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
F. 6	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
G. 7	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
H. 8	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
I. 9	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
J. 10	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
K. 11	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
L. 12	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
M. 13	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
N. 14	* *****	*****	*****	*****	* AG	190	345.0	.0	10.0
O. 15	* *****	*****	*****	*****	* AG	1405	240.0	.0	13.0
P. 16	* *****	*****	*****	*****	* AG	1405	240.0	.0	13.0

Tung Chung Road (Tung Chung side)

3NOX GAS

100.0000 30.0000 .0000 .0000 17 16 1.0000 1 1 .0000

- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8
- SR9
- SR10
- SR11
- SR12
- SR13
- SR14
- SR15

A1

A2

811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000
811478.200000	813783.700000	1.500000
813166.100000	810961.200000	1.500000
813896.400000	810819.100000	1.500000
813967.700000	810811.900000	1.500000
814100.200000	810855.800000	1.500000
814267.200000	811195.200000	1.500000
814319.800000	811053.900000	1.500000
811509.500000	813771.500000	1.500000
813435.500000	810937.300000	1.500000

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1	811355.000000	815540.900000	811169.000000	815296.300000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811169.000000	815296.300000	811191.500000	815240.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811191.500000	815240.000000	811287.500000	815146.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811287.500000	815146.700000	811275.200000	814972.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0

1	811275.200000	814972.100000	811238.200000	814912.300000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811238.200000	814912.300000	811254.400000	814702.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.400000	814702.400000	811301.100000	814518.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811301.100000	814518.800000	811254.300000	814388.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.300000	814388.400000	811320.400000	814278.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811320.400000	814278.000000	811531.800000	814069.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811531.800000	814069.700000	811651.600000	813778.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811651.600000	813778.800000	811670.400000	813670.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811670.400000	813670.100000	811650.900000	813454.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811288.000000	814570.000000	811000.000000	814640.000000
0.000000E+00	10.000000	0.000000E+00	0.000000E+00	0
1	811018.000000	815544.000000	811460.000000	815629.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811022.000000	815520.000000	811465.000000	815605.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111NOx GAS				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	190.000000	1405.0	1405.0	
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	258.000000	
258.000000	345.000000	240.0	240.0	
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

III. RECEPTOR LOCATIONS

RECEPTOR	* COORDINATES (M)	* X	* Y	* Z
1. SR1	* 811302	815448	1.5	
2. SR2	* 811235	815356	1.5	
3. SR3	* 810967	815401	1.5	
4. SR4	* 811233	815275	1.5	
5. SR5	* 811074	815123	1.5	
6. SR6	* 811001	814943	1.5	
7. SR7	* 811048	814849	1.5	
8. SR8	* 811057	814532	1.5	
9. SR9	* 811478	813784	1.5	
10. SR10	* 813166	810961	1.5	
11. SR11	* 813896	810819	1.5	
12. SR12	* 813968	810812	1.5	
13. SR13	* 814100	810856	1.5	
14. SR14	* 814267	811195	1.5	
15. SR15	* 814320	811054	1.5	
16. A1	* 811510	813772	1.5	
17. A2	* 813436	810937	1.5	

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. SR1	* 16.	* 14.9	* 10.7	.0	.0	.0	.0	.0	.0	.0	
2. SR2	* 21.	* 13.2	* 10.1	.0	.0	.0	.0	.0	.0	.0	
3. SR3	* 55.	* 5.7	* .0	.0	.0	.0	.0	.0	.0	.0	
4. SR4	* 173.	* 8.5	* .0	.0	3.7	1.8	.6	.8	.5	.3	
5. SR5	* 32.	* 5.8	* 2.8	1.0	.0	.0	.0	.0	.0	.0	
6. SR6	* 28.	* 3.6	* 1.4	.5	.2	.0	.0	.0	.0	.0	

7.	SR7	*	20.	*	3.3	*	1.2	.4	.4	.0	.0	.0	.0	.0
8.	SR8	*	133.	*	3.5	*	.0	.0	.0	.0	.0	.0	.0	.2
9.	SR9	*	348.	*	3.4	*	.2	.0	.1	.2	.1	.3	.4	.3
10.	SR10	*	333.	*	.4	*	.0	.0	.0	.0	.0	.0	.0	.0
11.	SR11	*	326.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
12.	SR12	*	325.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
13.	SR13	*	324.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
14.	SR14	*	319.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
15.	SR15	*	320.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
16.	A1	*	346.	*	3.4	*	.1	.0	.1	.1	.1	.3	.4	.3
17.	A2	*	330.	*	.4	*	.0	.0	.0	.0	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK							
		(PPM)							
	*	I	J	K	L	M	N	O	P
1. SR1	*	.0	.0	.0	.0	.0	.0	1.9	2.2
2. SR2	*	.0	.0	.0	.0	.0	.0	1.5	1.6
3. SR3	*	.0	.0	.0	.0	.0	.0	2.6	3.1
4. SR4	*	.2	.3	.1	.0	.1	.1	.0	.0
5. SR5	*	.0	.0	.0	.0	.0	.0	.9	1.0
6. SR6	*	.0	.0	.0	.0	.0	.0	.7	.8
7. SR7	*	.0	.0	.0	.0	.0	.0	.7	.7
8. SR8	*	1.3	1.5	.5	.0	.0	.0	.0	.0
9. SR9	*	.2	1.2	.0	.0	.0	.1	.2	.2
10. SR10	*	.0	.0	.1	.0	.0	.0	.0	.0
11. SR11	*	.0	.0	.0	.0	.0	.0	.0	.0
12. SR12	*	.0	.0	.0	.0	.0	.0	.0	.0
13. SR13	*	.0	.0	.0	.0	.0	.0	.0	.0
14. SR14	*	.0	.0	.0	.0	.0	.0	.0	.0
15. SR15	*	.0	.0	.0	.0	.0	.0	.0	.0
16. A1	*	.2	1.3	.0	.0	.0	.1	.2	.2
17. A2	*	.0	.0	.0	.0	.0	.0	.0	.0

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RUN ENDED ON 01-23-02 AT 10:20:19

Tung Chung Road (Tung Chung side)

3NOX GAS

100.0000 30.0000 .0000 .0000 19 14 1.0000 1 1 .0000

- P1
- R1
- R2
- R3
- R4
- R5
- R6
- S1
- S2
- S3
- S4
- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8

811109.0	815599.0	1.5
811106.8	815393.2	1.5
810889.7	815244.5	1.5
810945.4	814993.2	1.5
811052.4	814996.0	1.5
810973.9	814742.0	1.5
811114.7	814499.1	1.5
811123.3	815289.2	1.5
811070.8	815154.5	1.5
811045.8	815101.7	1.5
811079.2	814763.5	1.5
811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000

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3	811220.500000	815208.000000	811287.500000	815146.700000
1.500000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811287.500000	815146.700000	811275.200000	814972.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811275.200000	814972.100000	811238.200000	814912.300000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0

1	811238.200000	814912.300000	811254.400000	814702.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.400000	814702.400000	811301.100000	814518.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811301.100000	814518.800000	811254.300000	814388.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.300000	814388.400000	811320.400000	814278.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811320.400000	814278.000000	811531.800000	814069.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811531.800000	814069.700000	811651.600000	813778.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811651.600000	813778.800000	811670.400000	813670.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811670.400000	813670.100000	811650.900000	813454.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811288.000000	814570.000000	811000.000000	814640.000000
0.000000E+00	10.000000	0.000000E+00	0.000000E+00	0
1	811018.000000	815544.000000	811460.000000	815629.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811022.000000	815520.000000	811465.000000	815605.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111NOx GAS				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	190.000000	
1405.0	1405.0			
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	345.000000	
240.0	240.0			
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

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IBM-PC VERSION (1.91)
(C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
SERIAL NUMBER 0000
SOLD TO TRINITY CONSULTANTS
RUN BEGAN ON 03-12-02 AT 18:42:15

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Tung Chung Road (Tung Chung side)
RUN: NOx GAS (WORST CASE ANGLE)
POLLUTANT: NOx GAS

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 4 (D) VS= .0 CM/S
MIXH= 500. M AMB= .0 PPM
SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK	COORDINATES (M)				* EF	H	W	
DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 3	* *****	*****	*****	*****	* FL	1030	258.0	1.5	13.0
B. 4	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
C. 5	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
D. 6	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
E. 7	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
F. 8	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
G. 9	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
H. 10	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
I. 11	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
J. 12	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
K. 13	* *****	*****	*****	*****	* AG	1030	258.0	.0	13.0
L. 14	* *****	*****	*****	*****	* AG	190	345.0	.0	10.0
M. 15	* *****	*****	*****	*****	* AG	1405	240.0	.0	13.0
N. 16	* *****	*****	*****	*****	* AG	1405	240.0	.0	13.0

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JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. P1	811109	815599	1.5
2. R1	811107	815393	1.5
3. R2	810890	815245	1.5
4. R3	810945	814993	1.5
5. R4	811052	814996	1.5
6. R5	810974	814742	1.5
7. R6	811115	814499	1.5
8. S1	811123	815289	1.5
9. S2	811071	815155	1.5
10. S3	811046	815102	1.5
11. S4	811079	814764	1.5
12. SR1	811302	815448	1.5
13. SR2	811235	815356	1.5
14. SR3	810967	815401	1.5
15. SR4	811233	815275	1.5
16. SR5	811074	815123	1.5
17. SR6	811001	814943	1.5
18. SR7	811048	814849	1.5
19. SR8	811057	814532	1.5

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG * (DEG)	* PRED * * CONC * (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. P1	99.	11.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. R1	45.	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. R2	45.	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. R3	148.	2.2	.0	.0	.0	.0	.3	.5	.2	.5	.5	.5
5. R4	153.	3.0	.0	.0	.0	.2	1.0	.5	.2	.5	.5	.5
6. R5	142.	3.2	.0	.0	.0	.0	.0	.4	.6	.8	.8	.8

7.	R6	*	136.	*	4.7	*	.0	.0	.0	.0	.0	.2	1.8	1.9
8.	S1	*	34.	*	3.0	*	.0	.0	.0	.0	.0	.0	.0	.0
9.	S2	*	158.	*	3.2	*	.0	.0	.0	1.0	.8	.3	.1	.4
10.	S3	*	155.	*	2.9	*	.0	.0	.0	.6	.9	.3	.1	.4
11.	S4	*	150.	*	3.6	*	.0	.0	.0	.0	.0	.8	.5	.9
12.	SR1	*	299.	*	4.6	*	.0	.0	.0	.0	.0	.0	.0	.0
13.	SR2	*	174.	*	5.9	*	1.7	1.6	.5	.6	.4	.2	.2	.3
14.	SR3	*	55.	*	5.7	*	.0	.0	.0	.0	.0	.0	.0	.0
15.	SR4	*	171.	*	8.2	*	3.4	2.2	.5	.5	.4	.2	.1	.4
16.	SR5	*	157.	*	3.2	*	.0	.0	.0	1.0	.8	.3	.1	.4
17.	SR6	*	150.	*	2.6	*	.0	.0	.0	.0	.3	.6	.3	.6
18.	SR7	*	151.	*	3.0	*	.0	.0	.0	.0	.1	.7	.4	.7
19.	SR8	*	133.	*	3.5	*	.0	.0	.0	.0	.0	.2	1.3	1.5

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOx GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM)					
		I	J	K	L	M	N
1. P1	*	.0	.0	.0	.0	6.7	4.5
2. R1	*	.0	.0	.0	.0	2.1	2.4
3. R2	*	.0	.0	.0	.0	1.5	1.7
4. R3	*	.3	.1	.1	.3	.0	.0
5. R4	*	.3	.1	.1	.2	.0	.0
6. R5	*	.5	.1	.1	.7	.0	.0
7. R6	*	.7	.1	.0	.0	.0	.0
8. S1	*	.0	.0	.0	.0	1.4	1.5
9. S2	*	.3	.1	.1	.1	.0	.0
10. S3	*	.3	.1	.1	.1	.0	.0
11. S4	*	.5	.1	.2	.5	.0	.0
12. SR1	*	.0	.0	.0	.0	2.1	2.5
13. SR2	*	.1	.0	.1	.1	.0	.0
14. SR3	*	.0	.0	.0	.0	2.6	3.1
15. SR4	*	.2	.0	.1	.0	.0	.0
16. SR5	*	.3	.1	.1	.1	.0	.0
17. SR6	*	.4	.1	.1	.3	.0	.0
18. SR7	*	.4	.1	.2	.4	.0	.0
19. SR8	*	.5	.0	.0	.0	.0	.0

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RUN ENDED ON 03-12-02 AT 18:42:17

Tung Chung Road (Tung Chung side)

3NOX GAS

100.0000 30.0000 .0000 .0000 19 8 1.0000 1 1 .0000

- P1
- R1
- R2
- R3
- R4
- R5
- R6
- S1
- S2
- S3
- S4
- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8

811109.0	815599.0	1.5
811106.8	815393.2	1.500000
810889.7	815244.5	1.500000
810945.4	814993.2	1.500000
811052.4	814996.0	1.500000
810973.9	814742.0	1.500000
811114.7	814499.1	1.500000
811123.3	815289.2	1.500000
811070.8	815154.5	1.500000
811045.8	815101.7	1.500000
811079.2	814763.5	1.500000
811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000

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3	811354.500000	815540.000000	811330.500000	815520.700000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811330.500000	815520.700000	811300.200000	815474.100000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811300.200000	815474.100000	811311.000000	815496.000000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811311.000000	815496.000000	811234.400000	815381.400000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811234.400000	815381.400000	811173.000000	815309.000000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811173.000000	815309.000000	811162.300000	815280.400000
1.500000	13.000000	0.000000E+00	0.000000E+00	0

3	811162.300000	815280.400000	811188.400000	815235.000000
1.500000	13.000000	0.000000E+00	0.000000E+00	0
1	811188.400000	815235.000000	811220.800000	815208.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111NOx GAS				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	258.000000	
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

1

IBM-PC VERSION (1.91)
(C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
SERIAL NUMBER 0000
SOLD TO TRINITY CONSULTANTS
RUN BEGAN ON 03-12-02 AT 18:42:17

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Tung Chung Road (Tung Chung side)
RUN: NOx GAS (WORST CASE ANGLE)
POLLUTANT: NOX GAS

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 4 (D) VS= .0 CM/S
MIXH= 500. M AMB= .0 PPM
SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE VPH (G/MI) (M) (M)			
A. 1	* ***** * FL 1030 258.0 4.0 13.0			
B. 2	* ***** * FL 1030 258.0 4.0 13.0			
C. 3	* ***** * FL 1030 258.0 4.0 13.0			
D. 4	* ***** * FL 1030 258.0 4.0 13.0			
E. 5	* ***** * FL 1030 258.0 4.0 13.0			
F. 6	* ***** * FL 1030 258.0 1.5 13.0			
G. 7	* ***** * FL 1030 258.0 1.5 13.0			
H. 8	* ***** * AG 1030 258.0 .0 13.0			

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Tung Chung Road (Tung Chung side)
RUN: NOx GAS (WORST CASE ANGLE)
POLLUTANT: NOX GAS

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
		X	Y	Z
1. P1	*	811109	815599	1.5
2. R1	*	811107	815393	1.5
3. R2	*	810890	815245	1.5
4. R3	*	810945	814993	1.5
5. R4	*	811052	814996	1.5
6. R5	*	810974	814742	1.5
7. R6	*	811115	814499	1.5
8. S1	*	811123	815289	1.5
9. S2	*	811071	815155	1.5
10. S3	*	811046	815102	1.5
11. S4	*	811079	814764	1.5
12. SR1	*	811302	815448	1.5
13. SR2	*	811235	815356	1.5
14. SR3	*	810967	815401	1.5
15. SR4	*	811233	815275	1.5
16. SR5	*	811074	815123	1.5
17. SR6	*	811001	814943	1.5
18. SR7	*	811048	814849	1.5
19. SR8	*	811057	814532	1.5

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	* BRG (DEG)	* PRED * CONC (PPM)	*	CONC/LINK (PPM)							
					A	B	C	D	E	F	G	H
1. P1	*	120.	* 1.9	*	.1	.7	.4	.8	.0	.0	.0	.0
2. R1	*	150.	* 3.8	*	.0	.0	.0	.0	.3	1.3	1.4	.8
3. R2	*	65.	* 1.7	*	.1	.2	.1	.9	.5	.0	.0	.0
4. R3	*	37.	* 2.3	*	.1	.2	.1	.6	.6	.2	.4	.1
5. R4	*	26.	* 2.9	*	.1	.2	.1	.7	.7	.2	.6	.3
6. R5	*	22.	* 1.4	*	.1	.1	.1	.3	.3	.1	.3	.2
7. R6	*	7.	* .9	*	.0	.1	.0	.2	.2	.1	.1	.1
8. S1	*	54.	* 7.0	*	.1	.2	.1	1.5	4.9	.3	.0	.0
9. S2	*	36.	* 4.9	*	.2	.4	.2	1.2	1.4	.8	.8	.0
10. S3	*	34.	* 3.8	*	.2	.3	.1	1.0	1.0	.5	.7	.0
11. S4	*	14.	* 1.6	*	.1	.1	.1	.4	.4	.1	.3	.2
12. SR1	*	5.	* 18.2	*	.1	6.7	5.4	6.0	.0	.0	.0	.0

13.	SR2	*	22.	*	11.5	*	.2	.9	.5	9.6	.3	.0	.0	.0
14.	SR3	*	78.	*	1.7	*	.1	.4	.2	.9	.0	.0	.0	.0
15.	SR4	*	14.	*	4.2	*	.2	.6	.3	3.0	.2	.0	.0	.0
16.	SR5	*	32.	*	4.5	*	.2	.3	.2	1.1	1.2	.6	.9	.0
17.	SR6	*	29.	*	2.3	*	.1	.2	.1	.6	.5	.2	.4	.2
18.	SR7	*	19.	*	2.0	*	.1	.1	.1	.5	.5	.1	.3	.3
19.	SR8	*	12.	*	.9	*	.0	.1	.0	.2	.2	.1	.1	.1

1

RUN ENDED ON 03-12-02 AT 18:42:18

Tung Chung Road (Cheung Sha side)

3NOX GAS

100.0000 30.0000 .0000 .0000 15 15 1.0000 1 1 .0000

- CS1
- CS10
- CS5
- CS7
- CS12
- SR10
- SR11
- SR12
- SR13
- SR14
- SR15
- SR16
- SR17
- A2
- SR18

814167.0	811116.0	1.5
814176.0	811039.0	1.5
814229.0	811069.0	1.5
814264.0	811025.0	1.5
814206.0	810983.0	1.5
813166.100000	810961.200000	1.500000
813896.400000	810819.100000	1.500000
813967.700000	810811.900000	1.500000
814100.200000	810855.800000	1.500000
814267.200000	811195.200000	1.500000
814319.800000	811053.900000	1.500000
814046.000000	810708.000000	1.500000
814093.000000	810618.000000	1.500000
813435.500000	810937.300000	1.500000
814009.000000	810584.000000	1.500000

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1	812714.000000	811516.000000	812843.000000	811402.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	812843.000000	811402.000000	812998.000000	811362.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	812998.000000	811362.000000	813085.000000	811262.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813085.000000	811262.000000	813415.000000	811236.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813415.000000	811236.000000	813536.000000	811284.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813536.000000	811284.000000	813878.000000	811199.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813878.000000	811199.000000	813852.000000	811142.000000

0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813852.000000	811142.000000	814012.000000	811080.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814012.000000	811080.000000	814152.000000	811070.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814152.000000	811070.000000	814252.000000	810986.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814252.000000	810986.000000	814368.000000	811008.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814368.000000	811008.000000	814632.000000	810986.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814250.000000	810986.000000	814194.000000	810904.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814194.000000	810904.000000	814136.000000	810874.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814136.000000	810874.000000	814059.000000	810706.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111NOx GAS				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1320.000000	1320.000000	
1320.000000	1320.000000	1320.000000		
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	258.000000	258.000000	
258.000000	258.000000	303.000000	303.000000	
303.000000	303.000000	303.000000		
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

IBM-PC VERSION (1.91)
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 SERIAL NUMBER 0000
 SOLD TO TRINITY CONSULTANTS
 RUN BEGAN ON 03-08-02 AT 10:06:46

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Tung Chung Road (Cheung Sha side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOx GAS

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 4 (D) VS= .0 CM/S
 MIXH= 500. M AMB= .0 PPM
 SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK	COORDINATES (M)				* EF	H	W			
DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)		
A. 1	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
B. 2	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
C. 3	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
D. 4	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
E. 5	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
F. 6	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
G. 7	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
H. 8	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
I. 9	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
J. 10	*	*****	*****	*****	*****	*	AG	1030	258.0	.0	13.0
K. 11	*	*****	*****	*****	*****	*	AG	1320	303.0	.0	13.0
L. 12	*	*****	*****	*****	*****	*	AG	1320	303.0	.0	13.0
M. 13	*	*****	*****	*****	*****	*	AG	1320	303.0	.0	13.0
N. 14	*	*****	*****	*****	*****	*	AG	1320	303.0	.0	13.0
O. 15	*	*****	*****	*****	*****	*	AG	1320	303.0	.0	13.0

JOB: Tung Chung Road (Cheung Sha side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

III. RECEPTOR LOCATIONS

RECEPTOR	* COORDINATES (M)	* X	* Y	* Z
1. CS1	* 814167	811116	1.5	
2. CS10	* 814176	811039	1.5	
3. CS5	* 814229	811069	1.5	
4. CS7	* 814264	811025	1.5	
5. CS12	* 814206	810983	1.5	
6. SR10	* 813166	810961	1.5	
7. SR11	* 813896	810819	1.5	
8. SR12	* 813968	810812	1.5	
9. SR13	* 814100	810856	1.5	
10. SR14	* 814267	811195	1.5	
11. SR15	* 814320	811054	1.5	
12. SR16	* 814046	810708	1.5	
13. SR17	* 814093	810618	1.5	
14. A2	* 813436	810937	1.5	
15. SR18	* 814009	810584	1.5	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			* A	* B	* C	* D	* E	* F	* G	* H		
1. CS1	* 188.	* 6.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
2. CS10	* 109.	* 22.4	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. CS5	* 273.	* 8.6	* .0	* .0	* .1	* .2	* .1	* .0	* .1	* 1.6		
4. CS7	* 210.	* 17.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
5. CS12	* 84.	* 20.8	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
6. SR10	* 340.	* 1.6	* .0	* .3	* 1.0	* .2	* .0	* .0	* .0	* .0	* .0	* .0
7. SR11	* 72.	* 4.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
8. SR12	* 67.	* 6.4	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
9. SR13	* 63.	* 20.0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
10. SR14	* 198.	* 4.6	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
11. SR15	* 221.	* 12.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
12. SR16	* 39.	* 22.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
13. SR17	* 358.	* 5.6	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .1
14. A2	* 86.	* 1.8	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
15. SR18	* 25.	* 6.9	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0

JOB: Tung Chung Road (Cheung Sha side)
 RUN: NOx GAS (WORST CASE ANGLE)
 POLLUTANT: NOX GAS

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK						
		I	J	K	L	M	N	O
1. CS1	*	.4	3.1	.0	.0	.0	.9	2.2
2. CS10	*	.0	17.0	4.4	1.0	.1	.0	.0
3. CS5	*	4.9	1.6	.0	.0	.0	.0	.0
4. CS7	*	.0	3.5	.6	.0	9.7	1.8	2.0
5. CS12	*	.0	3.1	10.4	4.4	3.0	.0	.0
6. SR10	*	.0	.0	.0	.0	.0	.0	.0
7. SR11	*	.0	.1	.7	1.4	1.2	1.0	.5
8. SR12	*	.0	.1	.8	1.4	1.4	1.6	1.0
9. SR13	*	.0	.0	1.3	1.7	2.8	9.3	4.8
10. SR14	*	.0	1.4	.0	.0	1.0	1.0	1.2
11. SR15	*	.0	.6	3.7	.0	4.5	1.5	2.4
12. SR16	*	.0	.3	1.1	.1	1.5	1.2	18.5
13. SR17	*	.6	.0	.0	.0	.0	.1	4.7
14. A2	*	.2	.3	.3	.5	.3	.1	.0
15. SR18	*	.0	.6	.2	.0	.6	.8	4.6

1

RUN ENDED ON 03-08-02 AT 10:06:48

Tung Chung Road (Tung Chung side)

4RSP

100.0000 30.0000 0.4800 0.4800 17 16 1.0000 1 1 .0000

- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8
- SR9
- SR10
- SR11
- SR12
- SR13
- SR14
- SR15

A1

A2

811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000
811478.200000	813783.700000	1.500000
813166.100000	810961.200000	1.500000
813896.400000	810819.100000	1.500000
813967.700000	810811.900000	1.500000
814100.200000	810855.800000	1.500000
814267.200000	811195.200000	1.500000
814319.800000	811053.900000	1.500000
811509.500000	813771.500000	1.500000
813435.500000	810937.300000	1.500000

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- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

1	811355.000000	815540.900000	811169.000000	815296.300000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811169.000000	815296.300000	811191.500000	815240.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811191.500000	815240.000000	811287.500000	815146.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811287.500000	815146.700000	811275.200000	814972.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0

1	811275.200000	814972.100000	811238.200000	814912.300000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811238.200000	814912.300000	811254.400000	814702.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.400000	814702.400000	811301.100000	814518.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811301.100000	814518.800000	811254.300000	814388.400000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811254.300000	814388.400000	811320.400000	814278.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811320.400000	814278.000000	811531.800000	814069.700000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811531.800000	814069.700000	811651.600000	813778.800000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811651.600000	813778.800000	811670.400000	813670.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811670.400000	813670.100000	811650.900000	813454.100000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811288.000000	814570.000000	811000.000000	814640.000000
0.000000E+00	10.000000	0.000000E+00	0.000000E+00	0
1	811018.000000	815544.000000	811460.000000	815629.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	811022.000000	815520.000000	811465.000000	815605.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111RSP				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	190.000000	1405.0	1405.0	
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	3.000000E-01	0.21	0.21	
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

IBM-PC VERSION (1.91)
 (C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
 SERIAL NUMBER 0000
 SOLD TO TRINITY CONSULTANTS
 RUN BEGAN ON 01-23-02 AT 10:20:19

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .5 CM/S
 CLAS= 4 (D) VS= .5 CM/S
 MIXH= 500. M AMB= .0 PPM
 SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE VPH (G/MI) (M) (M)			
A. 1	* ***** * AG 1030	.2	.0	13.0
B. 2	* ***** * AG 1030	.2	.0	13.0
C. 3	* ***** * AG 1030	.2	.0	13.0
D. 4	* ***** * AG 1030	.2	.0	13.0
E. 5	* ***** * AG 1030	.2	.0	13.0
F. 6	* ***** * AG 1030	.2	.0	13.0
G. 7	* ***** * AG 1030	.2	.0	13.0
H. 8	* ***** * AG 1030	.2	.0	13.0
I. 9	* ***** * AG 1030	.2	.0	13.0
J. 10	* ***** * AG 1030	.2	.0	13.0
K. 11	* ***** * AG 1030	.2	.0	13.0
L. 12	* ***** * AG 1030	.2	.0	13.0
M. 13	* ***** * AG 1030	.2	.0	13.0
N. 14	* ***** * AG 190	.3	.0	10.0
O. 15	* ***** * AG 1405	.2	.0	13.0
P. 16	* ***** * AG 1405	.2	.0	13.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

III. RECEPTOR LOCATIONS

RECEPTOR	* COORDINATES (M)	* X	* Y	* Z
1. SR1	* 811302	815448	1.5	
2. SR2	* 811235	815356	1.5	
3. SR3	* 810967	815401	1.5	
4. SR4	* 811233	815275	1.5	
5. SR5	* 811074	815123	1.5	
6. SR6	* 811001	814943	1.5	
7. SR7	* 811048	814849	1.5	
8. SR8	* 811057	814532	1.5	
9. SR9	* 811478	813784	1.5	
10. SR10	* 813166	810961	1.5	
11. SR11	* 813896	810819	1.5	
12. SR12	* 813968	810812	1.5	
13. SR13	* 814100	810856	1.5	
14. SR14	* 814267	811195	1.5	
15. SR15	* 814320	811054	1.5	
16. A1	* 811510	813772	1.5	
17. A2	* 813436	810937	1.5	

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. SR1	* 16.	* 16.1	* 11.8	.0	.0	.0	.0	.0	.0	.0	.0
2. SR2	* 20.	* 14.2	* 11.1	.0	.0	.0	.0	.0	.0	.0	.0
3. SR3	* 55.	* 5.8	* .0	.0	.0	.0	.0	.0	.0	.0	.0
4. SR4	* 173.	* 9.1	* .0	.0	4.0	2.0	.7	.8	.5	.3	
5. SR5	* 32.	* 6.1	* 3.1	1.1	.0	.0	.0	.0	.0	.0	
6. SR6	* 28.	* 3.7	* 1.5	.5	.2	.0	.0	.0	.0	.0	

7.	SR7	*	20.	*	3.4	*	1.2	.4	.4	.0	.0	.0	.0	.0
8.	SR8	*	133.	*	3.8	*	.0	.0	.0	.0	.0	.0	.0	.2
9.	SR9	*	348.	*	3.6	*	.2	.0	.1	.2	.1	.3	.4	.3
10.	SR10	*	333.	*	.4	*	.0	.0	.0	.0	.0	.0	.0	.0
11.	SR11	*	326.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
12.	SR12	*	325.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
13.	SR13	*	324.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
14.	SR14	*	319.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
15.	SR15	*	320.	*	.3	*	.0	.0	.0	.0	.0	.0	.0	.0
16.	A1	*	346.	*	3.5	*	.1	.0	.1	.1	.1	.3	.4	.3
17.	A2	*	330.	*	.4	*	.0	.0	.0	.0	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK							
		(PPM)							
	*	I	J	K	L	M	N	O	P
1. SR1	*	.0	.0	.0	.0	.0	.0	2.0	2.3
2. SR2	*	.0	.0	.0	.0	.0	.0	1.5	1.6
3. SR3	*	.0	.0	.0	.0	.0	.0	2.7	3.1
4. SR4	*	.2	.4	.1	.0	.1	.0	.0	.0
5. SR5	*	.0	.0	.0	.0	.0	.0	.9	1.0
6. SR6	*	.0	.0	.0	.0	.0	.0	.7	.8
7. SR7	*	.0	.0	.0	.0	.0	.0	.7	.7
8. SR8	*	1.4	1.6	.6	.1	.0	.0	.0	.0
9. SR9	*	.3	1.2	.0	.0	.0	.1	.2	.2
10. SR10	*	.0	.0	.1	.0	.0	.0	.0	.0
11. SR11	*	.0	.0	.0	.0	.0	.0	.0	.0
12. SR12	*	.0	.0	.0	.0	.0	.0	.0	.0
13. SR13	*	.0	.0	.0	.0	.0	.0	.0	.0
14. SR14	*	.0	.0	.0	.0	.0	.0	.0	.0
15. SR15	*	.0	.0	.0	.0	.0	.0	.0	.0
16. A1	*	.2	1.4	.0	.0	.0	.1	.2	.2
17. A2	*	.0	.0	.0	.0	.0	.0	.0	.0

1

RUN ENDED ON 01-23-02 AT 10:20:21

Tung Chung Road (Tung Chung side)

4RSP

100.0000 30.0000 0.4800 0.4800 19 14 1.0000 1 1 .0000

- P1
- R1
- R2
- R3
- R4
- R5
- R6
- S1
- S2
- S3
- S4
- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8

811109.0	815599.0	1.5
811106.8	815393.2	1.5
810889.7	815244.5	1.5
810945.4	814993.2	1.5
811052.4	814996.0	1.5
810973.9	814742.0	1.5
811114.7	814499.1	1.5
811123.3	815289.2	1.5
811070.8	815154.5	1.5
811045.8	815101.7	1.5
811079.2	814763.5	1.5
811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000

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3	811220.500000	815208.000000	811287.500000	815146.700000	
1.500000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811287.500000	815146.700000	811275.200000	814972.100000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811275.200000	814972.100000	811238.200000	814912.300000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811238.200000	814912.300000	811254.400000	814702.400000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811254.400000	814702.400000	811301.100000	814518.800000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811301.100000	814518.800000	811254.300000	814388.400000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811254.300000	814388.400000	811320.400000	814278.000000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811320.400000	814278.000000	811531.800000	814069.700000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811531.800000	814069.700000	811651.600000	813778.800000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811651.600000	813778.800000	811670.400000	813670.100000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811670.400000	813670.100000	811650.900000	813454.100000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811288.000000	814570.000000	811000.000000	814640.000000	
0.000000E+00	10.000000	0.000000E+00	0.000000E+00	0	
1	811018.000000	815544.000000	811460.000000	815629.000000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	
1	811022.000000	815520.000000	811465.000000	815605.000000	
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0	

31111RSP

1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	190.000000	
1405.0	1405.0			
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.400000E-01	3.000000E-01	
0.21	0.21			
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

1

IBM-PC VERSION (1.91)
(C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
SERIAL NUMBER 0000
SOLD TO TRINITY CONSULTANTS
RUN BEGAN ON 03-12-02 AT 18:42:08

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Tung Chung Road (Tung Chung side)
RUN: RSP (WORST CASE ANGLE)
POLLUTANT: RSP
(NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .5 CM/S
CLAS= 4 (D) VS= .5 CM/S
MIXH= 500. M AMB= .0 PPM
SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK COORDINATES (M) *	EF	H	W
DESCRIPTION	* X1 Y1 X2 Y2 * TYPE VPH (G/MI) (M) (M)			
A. 3	* ***** * FL 1030	.2	1.5	13.0
B. 4	* ***** * AG 1030	.2	.0	13.0
C. 5	* ***** * AG 1030	.2	.0	13.0
D. 6	* ***** * AG 1030	.2	.0	13.0
E. 7	* ***** * AG 1030	.2	.0	13.0
F. 8	* ***** * AG 1030	.2	.0	13.0
G. 9	* ***** * AG 1030	.2	.0	13.0
H. 10	* ***** * AG 1030	.2	.0	13.0
I. 11	* ***** * AG 1030	.2	.0	13.0
J. 12	* ***** * AG 1030	.2	.0	13.0
K. 13	* ***** * AG 1030	.2	.0	13.0
L. 14	* ***** * AG 190	.3	.0	10.0
M. 15	* ***** * AG 1405	.2	.0	13.0
N. 16	* ***** * AG 1405	.2	.0	13.0

1

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. P1	811109	815599	1.5
2. R1	811107	815393	1.5
3. R2	810890	815245	1.5
4. R3	810945	814993	1.5
5. R4	811052	814996	1.5
6. R5	810974	814742	1.5
7. R6	811115	814499	1.5
8. S1	811123	815289	1.5
9. S2	811071	815155	1.5
10. S3	811046	815102	1.5
11. S4	811079	814764	1.5
12. SR1	811302	815448	1.5
13. SR2	811235	815356	1.5
14. SR3	810967	815401	1.5
15. SR4	811233	815275	1.5
16. SR5	811074	815123	1.5
17. SR6	811001	814943	1.5
18. SR7	811048	814849	1.5
19. SR8	811057	814532	1.5

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG * (DEG)	* PRED * * CONC * (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. P1	99.	11.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. R1	45.	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. R2	45.	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. R3	148.	2.3	.0	.0	.0	.0	.3	.5	.3	.5	.3	.5
5. R4	153.	3.1	.0	.0	.0	.2	1.0	.5	.2	.5	.2	.5
6. R5	142.	3.4	.0	.0	.0	.0	.0	.4	.7	.4	.7	.9

7.	R6	*	136.	*	5.0	*	.0	.0	.0	.0	.0	.2	1.9	2.0
8.	S1	*	133.	*	3.3	*	2.3	1.0	.0	.0	.0	.0	.0	.0
9.	S2	*	158.	*	3.3	*	.0	.0	.0	1.1	.8	.3	.1	.4
10.	S3	*	155.	*	3.1	*	.0	.0	.0	.7	.9	.3	.1	.4
11.	S4	*	150.	*	3.8	*	.0	.0	.0	.0	.0	.9	.6	1.0
12.	SR1	*	299.	*	4.7	*	.0	.0	.0	.0	.0	.0	.0	.0
13.	SR2	*	174.	*	6.3	*	1.9	1.8	.5	.7	.5	.2	.2	.3
14.	SR3	*	55.	*	5.8	*	.0	.0	.0	.0	.0	.0	.0	.0
15.	SR4	*	171.	*	8.8	*	3.7	2.4	.6	.6	.4	.2	.2	.4
16.	SR5	*	157.	*	3.4	*	.0	.0	.0	1.1	.9	.3	.1	.4
17.	SR6	*	150.	*	2.7	*	.0	.0	.0	.0	.3	.6	.3	.6
18.	SR7	*	151.	*	3.2	*	.0	.0	.0	.0	.2	.8	.4	.8
19.	SR8	*	133.	*	3.8	*	.0	.0	.0	.0	.0	.2	1.4	1.6

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK					
		(PPM)					
	*	I	J	K	L	M	N
1. P1	*	.0	.0	.0	.0	6.9	4.6
2. R1	*	.0	.0	.0	.0	2.1	2.4
3. R2	*	.0	.0	.0	.0	1.6	1.7
4. R3	*	.3	.1	.1	.2	.0	.0
5. R4	*	.3	.1	.1	.2	.0	.0
6. R5	*	.5	.1	.1	.7	.0	.0
7. R6	*	.8	.1	.0	.0	.0	.0
8. S1	*	.0	.0	.0	.0	.0	.0
9. S2	*	.3	.1	.1	.1	.0	.0
10. S3	*	.3	.1	.1	.1	.0	.0
11. S4	*	.5	.1	.2	.5	.0	.0
12. SR1	*	.0	.0	.0	.0	2.1	2.6
13. SR2	*	.1	.0	.1	.0	.0	.0
14. SR3	*	.0	.0	.0	.0	2.7	3.1
15. SR4	*	.2	.0	.1	.0	.0	.0
16. SR5	*	.3	.1	.1	.1	.0	.0
17. SR6	*	.4	.1	.1	.3	.0	.0
18. SR7	*	.4	.1	.2	.4	.0	.0
19. SR8	*	.6	.1	.0	.0	.0	.0

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RUN ENDED ON 03-12-02 AT 18:42:11

Tung Chung Road (Tung Chung side)

4RSP

100.0000 30.0000 0.4800 0.4800 19 8 1.0000 1 1 .0000

- P1
- R1
- R2
- R3
- R4
- R5
- R6
- S1
- S2
- S3
- S4
- SR1
- SR2
- SR3
- SR4
- SR5
- SR6
- SR7
- SR8

811109.0	815599.0	1.5
811106.8	815393.2	1.500000
810889.7	815244.5	1.500000
810945.4	814993.2	1.500000
811052.4	814996.0	1.500000
810973.9	814742.0	1.500000
811114.7	814499.1	1.500000
811123.3	815289.2	1.500000
811070.8	815154.5	1.500000
811045.8	815101.7	1.500000
811079.2	814763.5	1.500000
811302.000000	815447.800000	1.500000
811235.000000	815355.500000	1.500000
810966.700000	815400.800000	1.500000
811232.700000	815274.800000	1.500000
811073.500000	815122.600000	1.500000
811001.300000	814942.900000	1.500000
811047.600000	814849.000000	1.500000
811056.800000	814532.100000	1.500000

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3	811354.500000	815540.000000	811330.500000	815520.700000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811330.500000	815520.700000	811300.200000	815474.100000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811300.200000	815474.100000	811311.000000	815496.000000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811311.000000	815496.000000	811234.400000	815381.400000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811234.400000	815381.400000	811173.000000	815309.000000
4.000000	13.000000	0.000000E+00	0.000000E+00	0
3	811173.000000	815309.000000	811162.300000	815280.400000
1.500000	13.000000	0.000000E+00	0.000000E+00	0

	3	811162.300000	815280.400000	811188.400000	815235.000000
		1.500000	13.000000	0.000000E+00	0.000000E+00
	1	811188.400000	815235.000000	811220.800000	815208.700000
		0.000000E+00	13.000000	0.000000E+00	0.000000E+00
31111RSP					
		1030.000000	1030.000000	1030.000000	1030.000000
		1030.000000	1030.000000	1030.000000	1030.000000
		2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01
		2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01
		0.000000E+00	1.000000	4	500.000000
		0.000000E+00	25.000000		12.000000

1

IBM-PC VERSION (1.91)
(C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
SERIAL NUMBER 0000
SOLD TO TRINITY CONSULTANTS
RUN BEGAN ON 03-12-02 AT 18:42:11

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Tung Chung Road (Tung Chung side)
RUN: RSP (WORST CASE ANGLE)
POLLUTANT: RSP
(NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .5 CM/S
CLAS= 4 (D) VS= .5 CM/S
MIXH= 500. M AMB= .0 PPM
SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	* LINK	COORDINATES (M)				* EF	H	W
DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 3	* *****	*****	*****	*****	* FL	1030	.2	4.0 13.0
B. 4	* *****	*****	*****	*****	* FL	1030	.2	4.0 13.0
C. 5	* *****	*****	*****	*****	* FL	1030	.2	4.0 13.0
D. 6	* *****	*****	*****	*****	* FL	1030	.2	4.0 13.0
E. 7	* *****	*****	*****	*****	* FL	1030	.2	4.0 13.0
F. 8	* *****	*****	*****	*****	* FL	1030	.2	1.5 13.0
G. 9	* *****	*****	*****	*****	* FL	1030	.2	1.5 13.0
H. 10	* *****	*****	*****	*****	* AG	1030	.2	.0 13.0

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Tung Chung Road (Tung Chung side)
RUN: RSP (WORST CASE ANGLE)
POLLUTANT: RSP
(NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
		X	Y	Z
1. P1	*	811109	815599	1.5
2. R1	*	811107	815393	1.5
3. R2	*	810890	815245	1.5
4. R3	*	810945	814993	1.5
5. R4	*	811052	814996	1.5
6. R5	*	810974	814742	1.5
7. R6	*	811115	814499	1.5
8. S1	*	811123	815289	1.5
9. S2	*	811071	815155	1.5
10. S3	*	811046	815102	1.5
11. S4	*	811079	814764	1.5
12. SR1	*	811302	815448	1.5
13. SR2	*	811235	815356	1.5
14. SR3	*	810967	815401	1.5
15. SR4	*	811233	815275	1.5
16. SR5	*	811074	815123	1.5
17. SR6	*	811001	814943	1.5
18. SR7	*	811048	814849	1.5
19. SR8	*	811057	814532	1.5

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Tung Chung Road (Tung Chung side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	* PRED * CONC (PPM)	*	CONC/LINK (PPM)							
					A	B	C	D	E	F	G	H
1. P1	*	120.	* 2.1	*	.1	.8	.4	.8	.0	.0	.0	.0
2. R1	*	150.	* 4.2	*	.0	.0	.0	.0	.3	1.4	1.5	.9
3. R2	*	65.	* 1.9	*	.1	.2	.1	.9	.5	.0	.0	.0
4. R3	*	37.	* 2.4	*	.1	.2	.1	.6	.6	.3	.4	.1
5. R4	*	26.	* 3.2	*	.1	.2	.1	.8	.7	.2	.6	.3
6. R5	*	22.	* 1.5	*	.1	.1	.1	.4	.3	.1	.3	.2
7. R6	*	7.	* .9	*	.0	.1	.0	.2	.2	.1	.1	.1
8. S1	*	54.	* 7.6	*	.1	.2	.1	1.6	5.4	.3	.0	.0
9. S2	*	36.	* 5.3	*	.2	.4	.2	1.3	1.6	.8	.9	.0
10. S3	*	34.	* 4.1	*	.2	.3	.2	1.0	1.1	.5	.7	.0
11. S4	*	14.	* 1.7	*	.1	.1	.1	.4	.4	.1	.3	.3
12. SR1	*	5.	* 20.1	*	.1	7.4	6.0	6.6	.0	.0	.0	.0

13.	SR2	*	21.	*	12.7	*	.2	.8	.5	10.7	.4	.0	.0	.0
14.	SR3	*	78.	*	1.8	*	.1	.5	.2	1.0	.0	.0	.0	.0
15.	SR4	*	14.	*	4.6	*	.2	.6	.4	3.3	.2	.0	.0	.0
16.	SR5	*	32.	*	4.9	*	.2	.4	.2	1.2	1.3	.6	1.0	.0
17.	SR6	*	29.	*	2.5	*	.1	.2	.1	.6	.6	.2	.5	.2
18.	SR7	*	19.	*	2.1	*	.1	.1	.1	.5	.5	.2	.4	.3
19.	SR8	*	12.	*	1.0	*	.0	.1	.0	.3	.2	.1	.1	.1

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RUN ENDED ON 03-12-02 AT 18:42:12

Tung Chung Road (Cheung Sha side)

4RSP

100.0000 30.0000 0.4800 0.4800 15 15 1.0000 1 1 .0000

- CS1
- CS10
- CS5
- CS7
- CS12
- SR10
- SR11
- SR12
- SR13
- SR14
- SR15
- SR16
- SR17
- A2
- SR18

814167.0	811116.0	1.5
814176.0	811039.0	1.5
814229.0	811069.0	1.5
814264.0	811025.0	1.5
814206.0	810983.0	1.5
813166.100000	810961.200000	1.500000
813896.400000	810819.100000	1.500000
813967.700000	810811.900000	1.500000
814100.200000	810855.800000	1.500000
814267.200000	811195.200000	1.500000
814319.800000	811053.900000	1.500000
814046.000000	810708.000000	1.500000
814093.000000	810618.000000	1.500000
813435.500000	810937.300000	1.500000
814009.000000	810584.000000	1.500000

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1	812714.000000	811516.000000	812843.000000	811402.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	812843.000000	811402.000000	812998.000000	811362.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	812998.000000	811362.000000	813085.000000	811262.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813085.000000	811262.000000	813415.000000	811236.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813415.000000	811236.000000	813536.000000	811284.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813536.000000	811284.000000	813878.000000	811199.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813878.000000	811199.000000	813852.000000	811142.000000

0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	813852.000000	811142.000000	814012.000000	811080.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814012.000000	811080.000000	814152.000000	811070.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814152.000000	811070.000000	814252.000000	810986.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814252.000000	810986.000000	814368.000000	811008.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814368.000000	811008.000000	814632.000000	810986.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814250.000000	810986.000000	814194.000000	810904.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814194.000000	810904.000000	814136.000000	810874.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
1	814136.000000	810874.000000	814059.000000	810706.000000
0.000000E+00	13.000000	0.000000E+00	0.000000E+00	0
31111RSP				
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1030.000000	1030.000000	
1030.000000	1030.000000	1320.000000	1320.000000	
1320.000000	1320.000000	1320.000000		
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	
2.400000E-01	2.400000E-01	2.900000E-01	2.900000E-01	
2.900000E-01	2.900000E-01	2.900000E-01		
0.000000E+00	1.000000	4	500.000000	12.000000
0.000000E+00	25.000000			

IBM-PC VERSION (1.91)
 (C) COPYRIGHT 1987, TRINITY CONSULTANTS, INC.
 SERIAL NUMBER 0000
 SOLD TO TRINITY CONSULTANTS
 RUN BEGAN ON 03-08-02 AT 10:06:44

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Tung Chung Road (Cheung Sha side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .5 CM/S
 CLAS= 4 (D) VS= .5 CM/S
 MIXH= 500. M AMB= .0 PPM
 SIGTH= 12. DEGREES TEMP= 25.0 DEGREE (C)

II. LINK VARIABLES

LINK	DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)	
A.	1	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
B.	2	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
C.	3	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
D.	4	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
E.	5	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
F.	6	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
G.	7	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
H.	8	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
I.	9	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
J.	10	*	*****	*****	*****	*	AG	1030	.2	.0	13.0
K.	11	*	*****	*****	*****	*	AG	1320	.3	.0	13.0
L.	12	*	*****	*****	*****	*	AG	1320	.3	.0	13.0
M.	13	*	*****	*****	*****	*	AG	1320	.3	.0	13.0
N.	14	*	*****	*****	*****	*	AG	1320	.3	.0	13.0
O.	15	*	*****	*****	*****	*	AG	1320	.3	.0	13.0

JOB: Tung Chung Road (Cheung Sha side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

III. RECEPTOR LOCATIONS

RECEPTOR	* COORDINATES (M)		
	* X	Y	Z
1. CS1	* 814167	811116	1.5
2. CS10	* 814176	811039	1.5
3. CS5	* 814229	811069	1.5
4. CS7	* 814264	811025	1.5
5. CS12	* 814206	810983	1.5
6. SR10	* 813166	810961	1.5
7. SR11	* 813896	810819	1.5
8. SR12	* 813968	810812	1.5
9. SR13	* 814100	810856	1.5
10. SR14	* 814267	811195	1.5
11. SR15	* 814320	811054	1.5
12. SR16	* 814046	810708	1.5
13. SR17	* 814093	810618	1.5
14. A2	* 813436	810937	1.5
15. SR18	* 814009	810584	1.5

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG * (DEG)	* PRED * CONC * (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. CS1	* 188.	* 7.4	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. CS10	* 109.	* 24.9	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. CS5	* 273.	* 9.4	* .0	.0	.1	.3	.1	.0	.1	1.7		
4. CS7	* 210.	* 19.9	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. CS12	* 84.	* 23.5	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. SR10	* 340.	* 1.7	* .0	.3	1.1	.2	.0	.0	.0	.0	.0	.0
7. SR11	* 72.	* 5.2	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. SR12	* 67.	* 7.0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SR13	* 63.	* 22.6	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. SR14	* 198.	* 5.1	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SR15	* 221.	* 14.2	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. SR16	* 39.	* 25.6	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. SR17	* 358.	* 6.2	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.1
14. A2	* 86.	* 1.9	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. SR18	* 25.	* 7.7	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Tung Chung Road (Cheung Sha side)
 RUN: RSP (WORST CASE ANGLE)
 POLLUTANT: RSP
 (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK						
		I	J	K	L	M	N	O
1. CS1	*	.5	3.4	.0	.0	.0	1.0	2.5
2. CS10	*	.0	18.8	4.9	1.1	.1	.0	.0
3. CS5	*	5.3	1.8	.0	.0	.0	.0	.0
4. CS7	*	.0	3.9	.7	.0	10.9	2.1	2.2
5. CS12	*	.0	3.4	11.8	4.9	3.4	.0	.0
6. SR10	*	.0	.0	.0	.0	.0	.0	.0
7. SR11	*	.0	.1	.7	1.5	1.3	1.1	.5
8. SR12	*	.0	.1	.9	1.6	1.5	1.8	1.1
9. SR13	*	.0	.0	1.5	1.8	3.2	10.6	5.5
10. SR14	*	.0	1.5	.0	.0	1.1	1.1	1.4
11. SR15	*	.0	.7	4.2	.0	5.0	1.7	2.6
12. SR16	*	.0	.3	1.2	.1	1.6	1.3	21.0
13. SR17	*	.7	.0	.0	.0	.0	.1	5.3
14. A2	*	.2	.3	.4	.6	.3	.1	.0
15. SR18	*	.0	.6	.2	.0	.7	.9	5.2

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RUN ENDED ON 03-08-02 AT 10:06:46