

Calculation of Dust Emission Factor

Emission factor			Parameters		Sources
Heavy construction	(g/m ² -s)	2.39 E-04	TSP emission factor (Mg/ha-month)	2.69	from AP42 (S13.2.3.3)
			working days/month	26	assumed
			working hours/day	12	assumed

811120.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811160.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811200.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811240.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811280.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811320.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811360.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811400.000815600.0001.50000000811000.000815200.00040.000000040.0000000
811302.000815447.6881.50000000
811235.000815355.5001.50000000
810966.625815400.6881.50000000
811232.625815274.6881.50000000
811073.500815122.6251.50000000
811244.125814973.3751.50000000
811001.312814942.8751.50000000
811047.625814849.0001.50000000
811056.812814532.1251.50000000
811478.125813783.6881.50000000
813166.125810961.1881.50000000
813896.375810819.1251.50000000
813967.625810811.8751.50000000
814100.125810855.6881.50000000
814267.125811195.1881.50000000
814319.812811053.8751.50000000
811509.500813771.5001.50000000
813435.500810937.1881.50000000
300.00023900000.000811182.625815276.25050.376899713.06309800.10000000-89.51.600
1.00000000180.000000 3 5000.00000273.000000

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FDM - (DATED 93070)

IBM-PC VERSION (1.10)

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DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:04:13.44

RUN TITLE:

Tung Chung Road near Tung Chung (Site 1)

INPUT FILE NAME: FDM1.DAT

OUTPUT FILE NAME: FDM1.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
PLOT FILE OUTPUT, 1=NO, 2=YES 1
MET DATA PRINT SWITCH, 1=NO, 2=YES 1
POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
NUMBER OF SOURCES PROCESSED 1
NUMBER OF RECEPTORS PROCESSED 142
NUMBER OF PARTICLE SIZE CLASSES 9
NUMBER OF HOURS OF MET DATA PROCESSED 8354
LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
ROUGHNESS LENGTH IN CM 100.00
SCALING FACTOR FOR SOURCE AND RECPTORS 1.0000
PARTICLE DENSITY IN G/CM**3 1.60
ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.500000	**	**	0.0400
2	1.500000	**	**	0.0700
3	2.250000	**	**	0.0400
4	2.750000	**	**	0.0300
5	3.500000	**	**	0.0700
6	4.500000	**	**	0.0500

7	5.5000000	**	**	0.0400
8	8.0000000	**	**	0.1700
9	20.0000000	**	**	0.4900

** COMPUTED BY FDM

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RECEPTOR COORDINATES (X,Y,Z)

(811000., 815200., 2.)	(811040., 815200., 2.)	(811080., 815200., 2.)
(811120., 815200., 2.)	(811160., 815200., 2.)	(811200., 815200., 2.)
(811240., 815200., 2.)	(811280., 815200., 2.)	(811320., 815200., 2.)
(811360., 815200., 2.)	(811400., 815200., 2.)	(811000., 815240., 2.)
(811040., 815240., 2.)	(811080., 815240., 2.)	(811120., 815240., 2.)
(811160., 815240., 2.)	(811200., 815240., 2.)	(811240., 815240., 2.)
(811280., 815240., 2.)	(811320., 815240., 2.)	(811360., 815240., 2.)
(811400., 815240., 2.)	(811000., 815280., 2.)	(811040., 815280., 2.)
(811080., 815280., 2.)	(811120., 815280., 2.)	(811160., 815280., 2.)
(811200., 815280., 2.)	(811240., 815280., 2.)	(811280., 815280., 2.)
(811320., 815280., 2.)	(811360., 815280., 2.)	(811400., 815280., 2.)
(811000., 815320., 2.)	(811040., 815320., 2.)	(811080., 815320., 2.)
(811120., 815320., 2.)	(811160., 815320., 2.)	(811200., 815320., 2.)
(811240., 815320., 2.)	(811280., 815320., 2.)	(811320., 815320., 2.)
(811360., 815320., 2.)	(811400., 815320., 2.)	(811000., 815360., 2.)
(811040., 815360., 2.)	(811080., 815360., 2.)	(811120., 815360., 2.)
(811160., 815360., 2.)	(811200., 815360., 2.)	(811240., 815360., 2.)
(811280., 815360., 2.)	(811320., 815360., 2.)	(811360., 815360., 2.)
(811400., 815360., 2.)	(811000., 815400., 2.)	(811040., 815400., 2.)
(811080., 815400., 2.)	(811120., 815400., 2.)	(811160., 815400., 2.)
(811200., 815400., 2.)	(811240., 815400., 2.)	(811280., 815400., 2.)
(811320., 815400., 2.)	(811360., 815400., 2.)	(811400., 815400., 2.)
(811000., 815440., 2.)	(811040., 815440., 2.)	(811080., 815440., 2.)
(811120., 815440., 2.)	(811160., 815440., 2.)	(811200., 815440., 2.)
(811240., 815440., 2.)	(811280., 815440., 2.)	(811320., 815440., 2.)
(811360., 815440., 2.)	(811400., 815440., 2.)	(811000., 815480., 2.)
(811040., 815480., 2.)	(811080., 815480., 2.)	(811120., 815480., 2.)
(811160., 815480., 2.)	(811200., 815480., 2.)	(811240., 815480., 2.)
(811280., 815480., 2.)	(811320., 815480., 2.)	(811360., 815480., 2.)
(811400., 815480., 2.)	(811000., 815520., 2.)	(811040., 815520., 2.)
(811080., 815520., 2.)	(811120., 815520., 2.)	(811160., 815520., 2.)
(811200., 815520., 2.)	(811240., 815520., 2.)	(811280., 815520., 2.)
(811320., 815520., 2.)	(811360., 815520., 2.)	(811400., 815520., 2.)
(811000., 815560., 2.)	(811040., 815560., 2.)	(811080., 815560., 2.)
(811120., 815560., 2.)	(811160., 815560., 2.)	(811200., 815560., 2.)
(811240., 815560., 2.)	(811280., 815560., 2.)	(811320., 815560., 2.)
(811360., 815560., 2.)	(811400., 815560., 2.)	(811000., 815600., 2.)
(811040., 815600., 2.)	(811080., 815600., 2.)	(811120., 815600., 2.)
(811160., 815600., 2.)	(811200., 815600., 2.)	(811240., 815600., 2.)
(811280., 815600., 2.)	(811320., 815600., 2.)	(811360., 815600., 2.)
(811400., 815600., 2.)	(811302., 815448., 2.)	(811235., 815356., 2.)
(810967., 815401., 2.)	(811233., 815275., 2.)	(811074., 815123., 2.)
(811244., 814973., 2.)	(811001., 814943., 2.)	(811048., 814849., 2.)

(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
 (813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
 (814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
 (814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
 (813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS. RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	TOTAL EMISSION RATE (G/SEC)	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
3	0.000239000	0.15728	0.000	811183.	815276.	50.	13.	0.50	-89.50
TOTAL EMISSIONS		0.15728E+00	GRAMS/SEC						

LONG DISTANCE (50,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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TOP 50 TABLE FOR 1 HOUR AVERAGES

RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	39	811200.0	815320.0	409	1404.4912	15.1209
2	39	811200.0	815320.0	2957	1403.2391	15.3228
3	39	811200.0	815320.0	7509	1402.7880	15.3956
4	39	811200.0	815320.0	5214	1400.4860	15.7680
5	17	811200.0	815240.0	3679	1370.8181	15.8525
6	39	811200.0	815320.0	5593	1355.6985	14.9441
7	39	811200.0	815320.0	603	1293.2209	14.5432
8	39	811200.0	815320.0	6445	1291.2220	14.8988
9	38	811160.0	815320.0	49	1283.6534	13.6205
10	38	811160.0	815320.0	8299	1283.1549	13.6931
11	38	811160.0	815320.0	1237	1282.3223	13.8144
12	38	811160.0	815320.0	8349	1282.0172	13.8589
13	38	811160.0	815320.0	7274	1281.4728	13.9384
14	38	811160.0	815320.0	7268	1281.2627	13.9691
15	38	811160.0	815320.0	5945	1280.1116	14.1374
16	38	811160.0	815320.0	3489	1280.0536	14.1459
17	38	811160.0	815320.0	3786	1279.5918	14.2135
18	39	811200.0	815320.0	1041	1252.0151	13.7368
19	39	811200.0	815320.0	3699	1249.0719	14.2034
20	39	811200.0	815320.0	5526	1248.9255	14.2267
21	39	811200.0	815320.0	428	1199.9487	13.6340
22	39	811200.0	815320.0	1053	1198.7017	13.8754
23	39	811200.0	815320.0	4271	1196.7406	14.2562

24	38	811160.0	815320.0	1220	1182.3914	12.9644
25	38	811160.0	815320.0	923	1180.8639	13.2095
26	38	811160.0	815320.0	3508	1179.6613	13.4029
27	38	811160.0	815320.0	5789	1179.3051	13.4602
28	38	811160.0	815320.0	3811	1179.2231	13.4734
29	38	811160.0	815320.0	4843	1179.2231	13.4734
30	38	811160.0	815320.0	4166	1179.1692	13.4822
31	38	811160.0	815320.0	3809	1179.0876	13.4953
32	38	811160.0	815320.0	4462	1178.8179	13.5388
33	38	811160.0	815320.0	5785	1178.7910	13.5431
34	17	811200.0	815240.0	2466	1164.4010	13.1685
35	39	811200.0	815320.0	4104	1157.4110	13.5801
36	38	811160.0	815320.0	2959	1147.5292	12.5778
37	28	811200.0	815280.0	927	1147.0046	12.5653
38	38	811160.0	815320.0	7225	1146.7278	12.7078
39	38	811160.0	815320.0	3027	1146.2981	12.7776
40	38	811160.0	815320.0	2818	1146.1797	12.7969
41	38	811160.0	815320.0	2812	1145.8740	12.8466
42	28	811200.0	815280.0	6868	1145.5679	12.8606
43	38	811160.0	815320.0	5530	1145.4324	12.9184
44	38	811160.0	815320.0	4773	1145.1801	12.9595
45	28	811200.0	815280.0	3787	1144.9778	12.9822
46	28	811200.0	815280.0	5802	1144.5453	13.0714
47	17	811200.0	815240.0	4752	1141.9369	13.6915
48	39	811200.0	815320.0	8313	1118.6527	12.8939
49	39	811200.0	815320.0	5550	1115.2737	13.6033
50	39	811200.0	815320.0	5729	1115.1035	13.6392

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSITION
1	811000.0	815200.0	151.5206	4230.	1.2051	151.2771	4618.	1.2228
2	811040.0	815200.0	176.1745	5073.	1.5906	165.0621	8202.	1.4054
3	811080.0	815200.0	285.9066	4125.	2.5990	263.3348	5978.	2.4445
4	811120.0	815200.0	470.0523	2890.	4.5560	433.7061	4442.	4.5190
5	811160.0	815200.0	837.5455	3835.	8.6792	771.8460	2555.	8.1669
6	811200.0	815200.0	844.1421	2533.	8.5385	775.6910	4994.	8.2974
7	811240.0	815200.0	468.6910	4752.	4.9204	436.3920	5575.	4.6934
8	811280.0	815200.0	298.2352	600.	2.7270	297.4635	4958.	2.8016
9	811320.0	815200.0	189.3462	716.	1.6614	164.4967	715.	1.5380
10	811360.0	815200.0	142.1516	587.	1.1344	130.8885	3784.	1.1343
11	811400.0	815200.0	114.3432	587.	0.8563	105.2074	3784.	0.8600
12	811000.0	815240.0	168.7951	4421.	1.3813	143.9038	3047.	1.2273
13	811040.0	815240.0	219.3102	4421.	1.9305	193.0513	4230.	1.6727
14	811080.0	815240.0	351.9655	4230.	3.3204	351.5559	4618.	3.3589
15	811120.0	815240.0	528.9932	4230.	5.5361	528.5302	4618.	5.5914
16	811160.0	815240.0	1104.4337	2890.	12.4604	1077.5552	4125.	12.2775

17	811200.0	815240.0	1370.8181	3679.	15.8525	1164.4010	2466.	13.1685
18	811240.0	815240.0	514.2867	587.	5.4801	507.4672	716.	5.4900
19	811280.0	815240.0	347.1679	587.	3.3172	320.3627	3784.	3.2809
20	811320.0	815240.0	209.9574	8186.	1.7358	195.4404	587.	1.7063
21	811360.0	815240.0	162.6935	8186.	1.2353	138.8610	5614.	1.9445
22	811400.0	815240.0	121.8264	8186.	0.8598	107.8609	5614.	1.5070
23	811000.0	815280.0	171.9960	5687.	1.4100	158.6328	7206.	1.3023
24	811040.0	815280.0	242.1453	5687.	2.1375	223.3533	7206.	1.9782
25	811080.0	815280.0	357.5407	5687.	3.4427	329.8243	7206.	3.1925
26	811120.0	815280.0	562.5093	6335.	5.9140	558.2463	5687.	5.9409
27	811160.0	815280.0	978.5563	53.	10.5997	977.8853	864.	10.7203
28	811200.0	815280.0	1147.0046	927.	12.5653	1145.5679	6868.	12.8606
29	811240.0	815280.0	605.6197	1280.	6.3451	597.2817	427.	6.1850
30	811280.0	815280.0	379.3053	427.	3.5237	347.5704	4440.	3.5084
31	811320.0	815280.0	255.4669	427.	2.1570	233.7348	4440.	2.1635
32	811360.0	815280.0	180.4968	427.	1.4042	164.9292	4440.	1.4179
33	811400.0	815280.0	133.5387	427.	0.9681	121.8888	4440.	0.9835
34	811000.0	815320.0	155.8104	6335.	1.2499	143.0484	3458.	1.2058
35	811040.0	815320.0	222.9901	877.	1.8505	222.8734	7365.	1.8598
36	811080.0	815320.0	347.4231	877.	3.1576	347.2704	7365.	3.1718
37	811120.0	815320.0	547.3453	1661.	5.4491	546.2374	1476.	5.5755
38	811160.0	815320.0	1283.6534	49.	13.6205	1283.1549	8299.	13.6931
39	811200.0	815320.0	1404.4912	409.	15.1209	1403.2391	2957.	15.3228
40	811240.0	815320.0	589.9683	927.	5.8591	588.5819	6868.	6.0158
41	811280.0	815320.0	330.7125	1222.	3.0955	330.0592	7276.	3.1637
42	811320.0	815320.0	219.8583	1222.	1.8746	219.3384	7276.	1.9212
43	811360.0	815320.0	160.2383	1280.	1.2622	135.7718	3836.	1.1901
44	811400.0	815320.0	129.5612	1280.	0.9538	109.6592	3836.	0.9034
45	811000.0	815360.0	133.5733	877.	1.0122	133.4924	7365.	1.0180
46	811040.0	815360.0	211.2276	1661.	1.6917	210.5477	1476.	1.7444
47	811080.0	815360.0	307.2836	53.	2.5821	306.7986	864.	2.6232
48	811120.0	815360.0	481.6402	2959.	4.4928	481.0434	7225.	4.5509
49	811160.0	815360.0	696.3644	8296.	6.7814	695.0759	1235.	6.9219
50	811200.0	815360.0	774.0491	7508.	7.5801	771.8410	4146.	7.8171
51	811240.0	815360.0	465.6369	388.	4.2830	465.1828	408.	4.3280
52	811280.0	815360.0	326.3643	927.	2.8376	325.3175	6868.	2.9286
53	811320.0	815360.0	201.9843	8329.	1.6989	187.0765	426.	1.6018
54	811360.0	815360.0	121.6422	1222.	0.9447	121.3085	7276.	0.9711
55	811400.0	815360.0	112.6287	1222.	0.8196	112.2896	7276.	0.8444
56	811000.0	815400.0	119.4854	1661.	0.8703	119.0411	1476.	0.9009
57	811040.0	815400.0	182.4659	53.	1.3674	182.1191	864.	1.3926
58	811080.0	815400.0	247.6534	2959.	2.0227	247.2554	7225.	2.0540
59	811120.0	815400.0	317.5512	49.	2.6822	317.3210	8299.	2.7017
60	811160.0	815400.0	424.8251	8309.	3.7258	423.5040	3352.	3.8426
61	811200.0	815400.0	420.5876	7508.	3.7446	419.0896	4146.	3.8782
62	811240.0	815400.0	290.0791	409.	2.4668	289.5509	2957.	2.5119
63	811280.0	815400.0	254.0124	388.	2.0254	253.6870	408.	2.0510
64	811320.0	815400.0	184.4494	927.	1.4307	183.7297	6868.	1.4841
65	811360.0	815400.0	108.1649	927.	0.7893	107.7026	6868.	0.8212
66	811400.0	815400.0	101.3936	8329.	0.7331	93.8687	426.	0.6906
67	811000.0	815440.0	115.8605	53.	0.7892	115.6090	864.	0.8056
68	811040.0	815440.0	145.9636	2959.	1.0751	145.6883	7225.	1.0941

69	811080.0	815440.0	174.7245	49.	1.3101	174.5708	8299.	1.3212
70	811120.0	815440.0	223.2488	8296.	1.7483	222.6076	1235.	1.7968
71	811160.0	815440.0	250.5999	8309.	2.0188	249.6920	3352.	2.0896
72	811200.0	815440.0	224.6712	7508.	1.8373	223.7351	4146.	1.9108
73	811240.0	815440.0	230.6681	5593.	1.9237	213.1063	1041.	1.7477
74	811280.0	815440.0	188.6558	409.	1.4204	188.2362	2957.	1.4508
75	811320.0	815440.0	153.0936	388.	1.0930	152.8622	408.	1.1089
76	811360.0	815440.0	114.3889	927.	0.8076	113.8766	6868.	0.8415
77	811400.0	815440.0	88.1308	927.	0.5931	87.7097	6868.	0.6196
78	811000.0	815480.0	95.3829	2959.	0.6465	95.1808	7225.	0.6591
79	811040.0	815480.0	92.4130	2959.	0.6523	92.2277	7225.	0.6644
80	811080.0	815480.0	127.7039	49.	0.9067	127.5825	8299.	0.9149
81	811120.0	815480.0	149.2803	8296.	1.0953	148.8075	1235.	1.1283
82	811160.0	815480.0	152.1597	8309.	1.1387	151.5415	3352.	1.1826
83	811200.0	815480.0	133.4526	926.	1.0040	133.3561	604.	1.0108
84	811240.0	815480.0	135.6979	5593.	1.0643	125.3803	1041.	0.9638
85	811280.0	815480.0	118.1655	409.	0.8412	117.8807	2957.	0.8605
86	811320.0	815480.0	99.7829	409.	0.6833	99.5292	2957.	0.6997
87	811360.0	815480.0	100.8231	388.	0.6585	100.6515	408.	0.6692
88	811400.0	815480.0	77.2129	927.	0.5047	76.8297	6868.	0.5281
89	811000.0	815520.0	75.3148	2959.	0.4926	75.1476	7225.	0.5027
90	811040.0	815520.0	96.4144	49.	0.6299	96.3120	8299.	0.6362
91	811080.0	815520.0	98.2311	8296.	0.6631	97.8820	1235.	0.6852
92	811120.0	815520.0	94.6250	8309.	0.6556	94.1962	3352.	0.6835
93	811160.0	815520.0	98.6076	8309.	0.6922	98.1686	3352.	0.7211
94	811200.0	815520.0	104.6827	926.	0.7387	104.5997	604.	0.7442
95	811240.0	815520.0	106.3830	7508.	0.7498	105.8274	4146.	0.7861
96	811280.0	815520.0	105.2461	5593.	0.7640	97.2642	1041.	0.6888
97	811320.0	815520.0	98.1475	409.	0.6421	97.8827	2957.	0.6584
98	811360.0	815520.0	72.1059	388.	0.4534	71.9772	408.	0.4611
99	811400.0	815520.0	70.9168	388.	0.4309	70.7849	408.	0.4385
100	811000.0	815560.0	63.6263	49.	0.3887	63.5528	8299.	0.3929
101	811040.0	815560.0	69.7460	49.	0.4371	69.6679	8299.	0.4417
102	811080.0	815560.0	87.0374	8296.	0.5602	86.7085	1235.	0.5800
103	811120.0	815560.0	86.6451	8309.	0.5696	86.2242	3352.	0.5954
104	811160.0	815560.0	75.0937	926.	0.5014	75.0295	604.	0.5053
105	811200.0	815560.0	83.7865	926.	0.5595	83.7149	604.	0.5639
106	811240.0	815560.0	91.5796	7508.	0.6128	91.0664	4146.	0.6445
107	811280.0	815560.0	86.4247	5593.	0.6004	79.8797	1041.	0.5398
108	811320.0	815560.0	65.5318	409.	0.4109	65.3454	2957.	0.4219
109	811360.0	815560.0	67.7059	409.	0.4137	67.5070	2957.	0.4251
110	811400.0	815560.0	59.1027	388.	0.3479	58.9885	408.	0.3542
111	811000.0	815600.0	59.6633	49.	0.3521	59.5915	8299.	0.3561
112	811040.0	815600.0	54.0256	8296.	0.3277	53.8058	1235.	0.3402
113	811080.0	815600.0	66.0233	8296.	0.4072	65.7602	1235.	0.4224
114	811120.0	815600.0	73.9574	8309.	0.4643	73.5764	3352.	0.4865
115	811160.0	815600.0	62.7929	926.	0.3997	62.7358	604.	0.4030
116	811200.0	815600.0	68.4332	926.	0.4356	68.3710	604.	0.4392
117	811240.0	815600.0	75.1438	7508.	0.4805	74.6972	4146.	0.5068
118	811280.0	815600.0	62.3391	5593.	0.4164	57.6243	1041.	0.3734
119	811320.0	815600.0	58.0560	5593.	0.3819	53.6675	1041.	0.3421
120	811360.0	815600.0	59.5099	409.	0.3511	59.3276	2957.	0.3612

121	811400.0	815600.0	44.7006	409.	0.2582	44.5602	2957.	0.2658
122	811302.0	815447.7	126.5226	388.	0.9169	126.3354	408.	0.9300
123	811235.0	815355.5	497.7884	388.	4.6715	497.3254	408.	4.7193
124	810966.6	815400.7	111.3880	1661.	0.7729	110.9446	1476.	0.8018
125	811232.6	815274.7	671.7029	1280.	7.1843	655.7454	427.	6.9309
126	811073.5	815122.6	147.8886	2890.	1.1920	136.1276	4442.	1.1967
127	811244.1	814973.4	81.2765	2533.	0.5444	74.3279	4994.	0.5403
128	811001.3	814942.9	48.1958	264.	0.6107	43.8149	7837.	0.6019
129	811047.6	814849.0	39.6985	3835.	0.2435	36.6054	387.	0.4615
130	811056.8	814532.1	16.8049	7628.	0.2115	16.7285	132.	0.2177
131	811478.1	813783.7	5.6582	2533.	0.0251	5.2230	1178.	0.0642
132	813166.1	810961.2	0.6437	2466.	0.0027	0.5922	3740.	0.0027
133	813896.4	810819.1	0.8639	3679.	0.0038	0.7777	6947.	0.0082
134	813967.6	810811.9	0.8171	3679.	0.0036	0.7343	6947.	0.0078
135	814100.1	810855.7	0.6824	3679.	0.0030	0.6125	6947.	0.0065
136	814267.1	811195.2	0.7105	4752.	0.0032	0.6947	2463.	0.0074
137	814319.8	811053.9	0.6406	4752.	0.0029	0.6226	2463.	0.0066
138	814046.0	810708.0	0.7814	3679.	0.0034	0.6984	6947.	0.0073
139	814093.0	810618.0	0.7669	3679.	0.0033	0.6826	6947.	0.0071
140	814009.0	810584.0	0.8192	3679.	0.0036	0.7295	6947.	0.0076
141	811509.5	813771.5	5.2201	2533.	0.0232	4.8175	1178.	0.0592
142	813435.5	810937.2	0.8544	3679.	0.0037	0.7802	6947.	0.0084

DATE AT END OF RUN: 01/23/02

TIME AT END OF RUN: 14:06:12.08

ELAPSED TIME FOR THIS RUN:

0.11864E+03 SECONDS

OR 0 HOURS 1 MINUTES

58.64 SECONDS

811120.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811160.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811200.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811240.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811280.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811320.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811360.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811400.000815100.0001.50000000811000.000814700.00040.000000040.0000000
811302.000815447.6881.50000000
811235.000815355.5001.50000000
810966.625815400.6881.50000000
811232.625815274.6881.50000000
811073.500815122.6251.50000000
811244.125814973.3751.50000000
811001.312814942.8751.50000000
811047.625814849.0001.50000000
811056.812814532.1251.50000000
811478.125813783.6881.50000000
813166.125810961.1881.50000000
813896.375810819.1251.50000000
813967.625810811.8751.50000000
814100.125810855.6881.50000000
814267.125811195.1881.50000000
814319.812811053.8751.50000000
811509.500813771.5001.50000000
813435.500810937.1881.50000000

300.00023900000.000811241.562814886.12549.072689113.87851910.10000000-88.81.600
1.00000000180.000000 3 5000.00000273.000000

1

FDM - (DATED 93070)

IBM-PC VERSION (1.10)

(C) COPYRIGHT 1991-1995, TRINITY CONSULTANTS, INC.

DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:15:39.46

RUN TITLE:

Tung Chung Road near Tung Chung (Site 2)

INPUT FILE NAME: FDM2.DAT

OUTPUT FILE NAME: FDM2.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
PLOT FILE OUTPUT, 1=NO, 2=YES 1
MET DATA PRINT SWITCH, 1=NO, 2=YES 1
POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
DEP. VEL./GRAV. SETTL. VEL., 1=DEFAULT, 2=USER 1
PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
NUMBER OF SOURCES PROCESSED 1
NUMBER OF RECEPTORS PROCESSED 142
NUMBER OF PARTICLE SIZE CLASSES 9
NUMBER OF HOURS OF MET DATA PROCESSED 8354
LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
ROUGHNESS LENGTH IN CM 100.00
SCALING FACTOR FOR SOURCE AND RECPTORS 1.0000
PARTICLE DENSITY IN G/CM**3 1.60
ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.5000000	**	**	0.0400
2	1.5000000	**	**	0.0700
3	2.2500000	**	**	0.0400
4	2.7500000	**	**	0.0300
5	3.5000000	**	**	0.0700
6	4.5000000	**	**	0.0500

7	5.5000000	**	**	0.0400
8	8.0000000	**	**	0.1700
9	20.0000000	**	**	0.4900

** COMPUTED BY FDM

1

RECEPTOR COORDINATES (X,Y,Z)

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(811000., 814700., 2.) (811040., 814700., 2.) (811080., 814700., 2.)
(811120., 814700., 2.) (811160., 814700., 2.) (811200., 814700., 2.)
(811240., 814700., 2.) (811280., 814700., 2.) (811320., 814700., 2.)
(811360., 814700., 2.) (811400., 814700., 2.) (811000., 814740., 2.)
(811040., 814740., 2.) (811080., 814740., 2.) (811120., 814740., 2.)
(811160., 814740., 2.) (811200., 814740., 2.) (811240., 814740., 2.)
(811280., 814740., 2.) (811320., 814740., 2.) (811360., 814740., 2.)
(811400., 814740., 2.) (811000., 814780., 2.) (811040., 814780., 2.)
(811080., 814780., 2.) (811120., 814780., 2.) (811160., 814780., 2.)
(811200., 814780., 2.) (811240., 814780., 2.) (811280., 814780., 2.)
(811320., 814780., 2.) (811360., 814780., 2.) (811400., 814780., 2.)
(811000., 814820., 2.) (811040., 814820., 2.) (811080., 814820., 2.)
(811120., 814820., 2.) (811160., 814820., 2.) (811200., 814820., 2.)
(811240., 814820., 2.) (811280., 814820., 2.) (811320., 814820., 2.)
(811360., 814820., 2.) (811400., 814820., 2.) (811000., 814860., 2.)
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(811280., 814860., 2.) (811320., 814860., 2.) (811360., 814860., 2.)
(811400., 814860., 2.) (811000., 814900., 2.) (811040., 814900., 2.)
(811080., 814900., 2.) (811120., 814900., 2.) (811160., 814900., 2.)
(811200., 814900., 2.) (811240., 814900., 2.) (811280., 814900., 2.)
(811320., 814900., 2.) (811360., 814900., 2.) (811400., 814900., 2.)
(811000., 814940., 2.) (811040., 814940., 2.) (811080., 814940., 2.)
(811120., 814940., 2.) (811160., 814940., 2.) (811200., 814940., 2.)
(811240., 814940., 2.) (811280., 814940., 2.) (811320., 814940., 2.)
(811360., 814940., 2.) (811400., 814940., 2.) (811000., 814980., 2.)
(811040., 814980., 2.) (811080., 814980., 2.) (811120., 814980., 2.)
(811160., 814980., 2.) (811200., 814980., 2.) (811240., 814980., 2.)
(811280., 814980., 2.) (811320., 814980., 2.) (811360., 814980., 2.)
(811400., 814980., 2.) (811000., 815020., 2.) (811040., 815020., 2.)
(811080., 815020., 2.) (811120., 815020., 2.) (811160., 815020., 2.)
(811200., 815020., 2.) (811240., 815020., 2.) (811280., 815020., 2.)
(811320., 815020., 2.) (811360., 815020., 2.) (811400., 815020., 2.)
(811000., 815060., 2.) (811040., 815060., 2.) (811080., 815060., 2.)
(811120., 815060., 2.) (811160., 815060., 2.) (811200., 815060., 2.)
(811240., 815060., 2.) (811280., 815060., 2.) (811320., 815060., 2.)
(811360., 815060., 2.) (811400., 815060., 2.) (811000., 815100., 2.)
(811040., 815100., 2.) (811080., 815100., 2.) (811120., 815100., 2.)
(811160., 815100., 2.) (811200., 815100., 2.) (811240., 815100., 2.)
(811280., 815100., 2.) (811320., 815100., 2.) (811360., 815100., 2.)
(811400., 815100., 2.) (811302., 815448., 2.) (811235., 815356., 2.)
(810967., 815401., 2.) (811233., 815275., 2.) (811074., 815123., 2.)
(811244., 814973., 2.) (811001., 814943., 2.) (811048., 814849., 2.)
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(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
 (813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
 (814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
 (814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
 (813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS. RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	TOTAL EMISSION RATE (G/SEC)	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
3	0.000239000	0.16277	0.000	811242.	814886.	49.	14.	0.50	-88.80
TOTAL EMISSIONS		0.16277E+00	GRAMS/SEC						

LONG DISTANCE (50,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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TOP 50 TABLE FOR 1 HOUR AVERAGES

RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	51	811240.0	814860.0	4419	2053.7161	24.5145
2	62	811240.0	814900.0	926	1803.7582	19.7297
3	62	811240.0	814900.0	604	1803.3551	19.8115
4	62	811240.0	814900.0	7463	1802.7410	19.9363
5	62	811240.0	814900.0	1388	1802.5585	19.9734
6	62	811240.0	814900.0	4124	1800.7150	20.3483
7	73	811240.0	814940.0	926	1732.8239	18.4587
8	73	811240.0	814940.0	604	1732.2610	18.5375
9	73	811240.0	814940.0	7463	1731.4036	18.6575
10	73	811240.0	814940.0	1388	1731.1484	18.6932
11	73	811240.0	814940.0	4124	1728.5762	19.0542
12	51	811240.0	814860.0	4461	1718.2206	20.5291
13	51	811240.0	814860.0	1154	1692.1439	20.1513
14	51	811240.0	814860.0	597	1688.7019	21.1389
15	51	811240.0	814860.0	3763	1686.4679	21.7820
16	62	811240.0	814900.0	8309	1686.1467	18.3830
17	62	811240.0	814900.0	3352	1684.0272	18.8130
18	62	811240.0	814900.0	4075	1682.9539	19.0313
19	62	811240.0	814900.0	1371	1664.2240	18.7317
20	62	811240.0	814900.0	874	1663.6110	18.8686
21	62	811240.0	814900.0	7269	1662.9207	19.0230
22	62	811240.0	814900.0	5828	1661.4076	19.3618
23	62	811240.0	814900.0	4437	1661.3529	19.3741

24	62	811240.0	814900.0	5002	1661.2979	19.3863
25	62	811240.0	814900.0	4072	1661.1614	19.4169
26	51	811240.0	814860.0	4774	1633.9425	23.5322
27	51	811240.0	814860.0	1176	1607.1722	18.4521
28	51	811240.0	814860.0	3913	1602.7716	19.5721
29	51	811240.0	814860.0	7711	1596.8571	22.0238
30	73	811240.0	814940.0	1371	1596.5614	17.4932
31	73	811240.0	814940.0	874	1595.7083	17.6245
32	73	811240.0	814940.0	7269	1594.7460	17.7728
33	51	811240.0	814860.0	2480	1593.7573	23.2790
34	73	811240.0	814940.0	5828	1592.6385	18.0981
35	73	811240.0	814940.0	4437	1592.5620	18.1099
36	73	811240.0	814940.0	5002	1592.4862	18.1217
37	73	811240.0	814940.0	4072	1592.2958	18.1511
38	51	811240.0	814860.0	1620	1567.5072	20.2449
39	62	811240.0	814900.0	1365	1554.6078	17.6912
40	62	811240.0	814900.0	6427	1553.5433	17.9292
41	62	811240.0	814900.0	3165	1553.4644	17.9468
42	62	811240.0	814900.0	5194	1553.1261	18.0227
43	62	811240.0	814900.0	5570	1553.1000	18.0285
44	62	811240.0	814900.0	4191	1553.0480	18.0401
45	62	811240.0	814900.0	5750	1552.9701	18.0574
46	62	811240.0	814900.0	3303	1552.9182	18.0690
47	62	811240.0	814900.0	5808	1552.6362	18.1322
48	62	811240.0	814900.0	4414	1552.5342	18.1550
49	62	811240.0	814900.0	7511	1543.7463	17.9919
50	62	811240.0	814900.0	7464	1543.6093	18.0254

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSITION
1	811000.0	814700.0	77.8018	4125.	0.5409	71.5879	5978.	0.5078
2	811040.0	814700.0	94.0585	4125.	0.6793	86.5576	5978.	0.6380
3	811080.0	814700.0	112.2631	2890.	0.8190	103.2101	4442.	0.8282
4	811120.0	814700.0	104.6223	264.	1.3376	98.0636	7649.	0.7952
5	811160.0	814700.0	149.1200	3835.	1.1829	137.2652	2555.	1.1121
6	811200.0	814700.0	159.6797	4461.	1.3917	151.3333	7628.	1.9602
7	811240.0	814700.0	183.9451	4419.	1.6140	173.4060	1171.	2.2375
8	811280.0	814700.0	200.4106	2533.	1.5881	183.6208	4994.	1.5615
9	811320.0	814700.0	149.2508	2466.	1.2072	137.7929	3740.	1.1750
10	811360.0	814700.0	129.2920	3679.	1.0292	115.8831	6947.	1.5939
11	811400.0	814700.0	106.6582	4752.	0.8509	105.2795	2463.	1.4445
12	811000.0	814740.0	80.7272	1826.	1.0426	79.3510	5073.	0.6023
13	811040.0	814740.0	96.9421	4125.	0.7203	89.2196	5978.	0.6767
14	811080.0	814740.0	143.4931	4125.	1.1189	132.0825	5978.	1.0516
15	811120.0	814740.0	177.7200	2890.	1.4200	163.5685	4442.	1.4264
16	811160.0	814740.0	185.5433	264.	2.3806	184.4381	7649.	1.6492

17	811200.0	814740.0	264.8467	3835.	2.3204	243.8931	2555.	2.1827
18	811240.0	814740.0	286.2614	4419.	2.6994	256.4748	1171.	3.3175
19	811280.0	814740.0	240.0478	2533.	2.0434	223.8522	2466.	2.0005
20	811320.0	814740.0	229.9918	3679.	2.0121	194.4725	6947.	2.6836
21	811360.0	814740.0	167.9274	4752.	1.4587	157.6684	2463.	2.1707
22	811400.0	814740.0	132.9963	600.	1.0291	132.5395	4958.	1.0640
23	811000.0	814780.0	91.7672	4230.	0.6632	91.5965	4618.	0.6742
24	811040.0	814780.0	106.8951	5073.	0.8686	104.8728	1826.	1.3590
25	811080.0	814780.0	138.4975	5073.	1.1912	131.3371	1826.	1.7061
26	811120.0	814780.0	239.1734	4125.	2.0485	220.2365	5978.	1.9263
27	811160.0	814780.0	312.0376	2890.	2.7952	287.6100	4442.	2.7863
28	811200.0	814780.0	459.5436	3835.	4.3304	423.3151	2555.	4.0742
29	811240.0	814780.0	507.5760	4419.	5.2113	423.9628	1171.	5.4972
30	811280.0	814780.0	461.3666	2466.	4.4495	426.5490	3740.	4.3075
31	811320.0	814780.0	288.7223	4752.	2.7943	268.7404	5575.	2.6661
32	811360.0	814780.0	227.4550	600.	1.9438	226.7880	4958.	2.0019
33	811400.0	814780.0	138.5481	716.	1.1500	123.1048	3595.	1.7991
34	811000.0	814820.0	89.7447	4230.	0.6581	89.5812	4618.	0.6688
35	811040.0	814820.0	141.5045	4230.	1.0970	141.2676	4618.	1.1136
36	811080.0	814820.0	193.8541	4230.	1.6038	193.5622	4618.	1.6262
37	811120.0	814820.0	235.0616	5073.	2.2192	220.1546	8202.	1.9688
38	811160.0	814820.0	423.8917	4125.	4.0682	390.5127	5978.	3.8268
39	811200.0	814820.0	618.4666	2890.	6.4352	571.2307	4442.	6.3566
40	811240.0	814820.0	1104.7255	4419.	12.5152	908.5701	1154.	10.2002
41	811280.0	814820.0	755.0587	3679.	8.0076	608.8323	5565.	7.0367
42	811320.0	814820.0	424.3626	600.	4.0906	423.3821	4958.	4.1948
43	811360.0	814820.0	246.4226	716.	2.2586	214.1651	715.	2.0888
44	811400.0	814820.0	183.3987	587.	1.5201	168.9445	3784.	1.5164
45	811000.0	814860.0	101.8584	4421.	0.7642	86.7914	3047.	0.6784
46	811040.0	814860.0	145.9169	4421.	1.1604	124.3731	3047.	1.0307
47	811080.0	814860.0	212.4490	4421.	1.8071	181.1751	3047.	1.6063
48	811120.0	814860.0	304.8219	4421.	2.8075	260.1083	3047.	2.4968
49	811160.0	814860.0	463.1063	4230.	4.6120	462.6354	4618.	4.6615
50	811200.0	814860.0	781.4711	4125.	8.5321	755.5999	4230.	8.3885
51	811240.0	814860.0	2053.7161	4419.	24.5145	1718.2206	4461.	20.5291
52	811280.0	814860.0	804.7499	600.	8.8674	803.5148	4958.	9.0555
53	811320.0	814860.0	454.7242	587.	4.5712	423.7906	8186.	4.0888
54	811360.0	814860.0	294.0143	8186.	2.5476	251.4769	7077.	2.5090
55	811400.0	814860.0	204.1057	8186.	1.6137	174.2376	7077.	1.6055
56	811000.0	814900.0	106.8897	5687.	0.8004	98.5806	7206.	0.7372
57	811040.0	814900.0	137.9487	5687.	1.0963	127.2260	7206.	1.0116
58	811080.0	814900.0	185.7332	5687.	1.5810	181.2853	6335.	1.5180
59	811120.0	814900.0	297.2936	6335.	2.6998	273.2349	3458.	2.5957
60	811160.0	814900.0	479.0173	6335.	4.7874	440.6229	3458.	4.5910
61	811200.0	814900.0	826.4918	877.	8.9369	826.2780	7365.	8.9685
62	811240.0	814900.0	1803.7582	926.	19.7297	1803.3551	604.	19.8115
63	811280.0	814900.0	795.8060	427.	8.6654	790.9399	1222.	8.7698
64	811320.0	814900.0	482.4574	1280.	4.7651	437.9727	427.	4.2798
65	811360.0	814900.0	308.2300	1280.	2.7558	274.6733	427.	2.4228
66	811400.0	814900.0	191.6591	427.	1.5478	189.0038	1280.	1.5522
67	811000.0	814940.0	108.4341	6335.	0.7927	99.4796	3458.	0.7668
68	811040.0	814940.0	123.6683	6335.	0.9596	119.5764	877.	0.8887

69	811080.0	814940.0	202.3914	877.	1.6123	202.2780	7365.	1.6209
70	811120.0	814940.0	282.6813	877.	2.4470	282.5443	7365.	2.4587
71	811160.0	814940.0	449.9240	1661.	4.2228	448.8601	1476.	4.3290
72	811200.0	814940.0	876.3063	2959.	8.9733	875.4655	7225.	9.0752
73	811240.0	814940.0	1732.8239	926.	18.4587	1732.2610	604.	18.5375
74	811280.0	814940.0	890.0702	388.	8.9922	889.3992	408.	9.0756
75	811320.0	814940.0	420.0010	8329.	4.1143	397.7567	927.	3.7028
76	811360.0	814940.0	259.4845	1222.	2.2981	258.9116	7276.	2.3525
77	811400.0	814940.0	191.0639	1222.	1.5557	190.5762	7276.	1.5967
78	811000.0	814980.0	107.0798	877.	0.7386	107.0056	7365.	0.7433
79	811040.0	814980.0	112.9064	877.	0.8256	112.8344	7365.	0.8305
80	811080.0	814980.0	184.2130	1661.	1.4161	183.5805	1476.	1.4626
81	811120.0	814980.0	243.5257	53.	1.9489	243.1077	864.	1.9820
82	811160.0	814980.0	376.2509	2959.	3.3154	375.7246	7225.	3.3617
83	811200.0	814980.0	474.1703	49.	4.4019	473.8869	8299.	4.4300
84	811240.0	814980.0	741.3152	926.	7.0756	740.9714	604.	7.1107
85	811280.0	814980.0	526.1917	5593.	5.0770	486.0104	1041.	4.6428
86	811320.0	814980.0	390.4247	388.	3.3607	389.9875	408.	3.3993
87	811360.0	814980.0	253.5078	927.	2.0899	252.6121	6868.	2.1619
88	811400.0	814980.0	172.9786	8329.	1.3912	160.1870	426.	1.3114
89	811000.0	815020.0	96.7541	1661.	0.6464	96.3490	1476.	0.6717
90	811040.0	815020.0	109.8815	1661.	0.7733	109.4525	1476.	0.8016
91	811080.0	815020.0	158.7559	53.	1.1437	158.4366	864.	1.1658
92	811120.0	815020.0	196.3994	2959.	1.5385	196.0617	7225.	1.5636
93	811160.0	815020.0	269.1677	49.	2.1686	268.9559	8299.	2.1853
94	811200.0	815020.0	336.2943	8296.	2.8474	335.4476	1235.	2.9186
95	811240.0	815020.0	396.2005	926.	3.4257	395.9731	604.	3.4452
96	811280.0	815020.0	315.0947	5593.	2.8218	291.0725	1041.	2.5723
97	811320.0	815020.0	280.7903	409.	2.2676	280.2306	2957.	2.3121
98	811360.0	815020.0	205.7577	388.	1.5632	205.4734	408.	1.5843
99	811400.0	815020.0	160.8188	927.	1.1958	160.1502	6868.	1.2429
100	811000.0	815060.0	70.7685	53.	0.4466	70.5991	864.	0.4567
101	811040.0	815060.0	107.2015	53.	0.7072	106.9587	864.	0.7225
102	811080.0	815060.0	119.0299	2959.	0.8485	118.7945	7225.	0.8641
103	811120.0	815060.0	128.3518	2959.	0.9595	128.1148	7225.	0.9761
104	811160.0	815060.0	159.0777	49.	1.2048	158.9398	8299.	1.2149
105	811200.0	815060.0	200.7183	8309.	1.5700	199.9559	3352.	1.6272
106	811240.0	815060.0	246.3335	926.	1.9584	246.1699	604.	1.9708
107	811280.0	815060.0	214.8718	7508.	1.7054	213.9315	4146.	1.7764
108	811320.0	815060.0	157.5414	5593.	1.2686	147.2195	409.	1.1163
109	811360.0	815060.0	132.5903	409.	0.9606	132.2785	2957.	0.9822
110	811400.0	815060.0	124.8326	388.	0.8582	124.6339	408.	0.8713
111	811000.0	815100.0	75.9386	53.	0.4659	75.7504	864.	0.4769
112	811040.0	815100.0	79.7332	2959.	0.5265	79.5583	7225.	0.5371
113	811080.0	815100.0	99.6733	2959.	0.6829	99.4652	7225.	0.6961
114	811120.0	815100.0	127.9026	49.	0.8803	127.7756	8299.	0.8885
115	811160.0	815100.0	144.8101	8296.	1.0318	144.3319	1235.	1.0640
116	811200.0	815100.0	160.8148	8309.	1.1748	160.1381	3352.	1.2215
117	811240.0	815100.0	168.8989	926.	1.2498	168.7738	604.	1.2585
118	811280.0	815100.0	162.9032	7508.	1.2087	162.1129	4146.	1.2636
119	811320.0	815100.0	146.2514	5593.	1.1146	135.1415	1041.	1.0078
120	811360.0	815100.0	128.3522	409.	0.8835	128.0282	2957.	0.9046

121	811400.0	815100.0	97.1382	388.	0.6403	96.9748	408.	0.6505
122	811302.0	815447.7	24.2907	7508.	0.1298	24.1106	4146.	0.1386
123	811235.0	815355.5	41.1376	926.	0.2300	41.0938	604.	0.2323
124	810966.6	815400.7	26.9471	49.	0.1364	26.9082	8299.	0.1383
125	811232.6	815274.7	56.5657	926.	0.3374	56.5100	604.	0.3404
126	811073.5	815122.6	75.0008	2959.	0.4999	74.8383	7225.	0.5099
127	811244.1	814973.4	820.0501	926.	7.9638	819.6865	604.	8.0025
128	811001.3	814942.9	104.7912	6335.	0.7671	96.1384	3458.	0.7420
129	811047.6	814849.0	161.7696	4421.	1.2993	137.8943	3047.	1.1542
130	811056.8	814532.1	43.7719	264.	0.5541	39.7961	7837.	0.5462
131	811478.1	813783.7	8.8990	2533.	0.0415	8.2302	1178.	0.1031
132	813166.1	810961.2	0.8664	3679.	0.0038	0.8095	6947.	0.0090
133	813896.4	810819.1	0.8318	3679.	0.0036	0.7606	6947.	0.0082
134	813967.6	810811.9	0.7456	3679.	0.0033	0.6806	6947.	0.0074
135	814100.1	810855.7	0.5830	4752.	0.0026	0.5746	2463.	0.0062
136	814267.1	811195.2	0.9626	4752.	0.0044	0.9551	2463.	0.0104
137	814319.8	811053.9	0.9034	4752.	0.0041	0.8908	2463.	0.0096
138	814046.0	810708.0	0.7081	3679.	0.0031	0.6428	6947.	0.0069
139	814093.0	810618.0	0.7023	3679.	0.0031	0.6347	6947.	0.0068
140	814009.0	810584.0	0.8110	3679.	0.0035	0.7334	6947.	0.0078
141	811509.5	813771.5	7.6323	2533.	0.0355	7.0595	1178.	0.0884
142	813435.5	810937.2	1.1117	3679.	0.0049	1.0315	6947.	0.0114

DATE AT END OF RUN: 01/23/02

TIME AT END OF RUN: 14:17:46.12

ELAPSED TIME FOR THIS RUN:

0.12666E+03 SECONDS

OR 0 HOURS 2 MINUTES

6.66 SECONDS

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FDM - (DATED 93070)

IBM-PC VERSION (1.10)
 (C) COPYRIGHT 1991-1995, TRINITY CONSULTANTS, INC.

DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:17:46.23

RUN TITLE:

Tung Chung Road near Tung Chung (Site 3)

INPUT FILE NAME: FDM3.DAT
 OUTPUT FILE NAME: FDM3.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
 MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
 PLOT FILE OUTPUT, 1=NO, 2=YES 1
 MET DATA PRINT SWITCH, 1=NO, 2=YES 1
 POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
 DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
 PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
 PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
 BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
 READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
 NUMBER OF SOURCES PROCESSED 1
 NUMBER OF RECEPTORS PROCESSED 142
 NUMBER OF PARTICLE SIZE CLASSES 9
 NUMBER OF HOURS OF MET DATA PROCESSED 8354
 LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
 ROUGHNESS LENGTH IN CM 100.00
 SCALING FACTOR FOR SOURCE AND RECEPTORS 1.0000
 PARTICLE DENSITY IN G/CM**3 1.60
 ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.500000	**	**	0.0400
2	1.500000	**	**	0.0700
3	2.250000	**	**	0.0400
4	2.750000	**	**	0.0300
5	3.500000	**	**	0.0700
6	4.500000	**	**	0.0500
7	5.500000	**	**	0.0400
8	8.000000	**	**	0.1700
9	20.000000	**	**	0.4900

 ** COMPUTED BY FDM

RECEPTOR COORDINATES (X,Y,Z)

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 (811120., 814400., 2.) (811160., 814400., 2.) (811200., 814400., 2.)
 (811240., 814400., 2.) (811280., 814400., 2.) (811320., 814400., 2.)

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(811320., 814720., 2.) (811360., 814720., 2.) (811400., 814720., 2.)
(811000., 814760., 2.) (811040., 814760., 2.) (811080., 814760., 2.)
(811120., 814760., 2.) (811160., 814760., 2.) (811200., 814760., 2.)
(811240., 814760., 2.) (811280., 814760., 2.) (811320., 814760., 2.)
(811360., 814760., 2.) (811400., 814760., 2.) (811000., 814800., 2.)
(811040., 814800., 2.) (811080., 814800., 2.) (811120., 814800., 2.)
(811160., 814800., 2.) (811200., 814800., 2.) (811240., 814800., 2.)
(811280., 814800., 2.) (811320., 814800., 2.) (811360., 814800., 2.)
(811400., 814800., 2.) (811302., 815448., 2.) (811235., 815356., 2.)
(810967., 815401., 2.) (811233., 815275., 2.) (811074., 815123., 2.)
(811244., 814973., 2.) (811001., 814943., 2.) (811048., 814849., 2.)
(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
(813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
(814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
(814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
(813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS.	TOTAL	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
	RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	EMISSION RATE (G/SEC)							
3	0.000239000	0.21931	0.000	811283.	814582.	36.	26.	0.50	-75.70
=====									
TOTAL EMISSIONS		0.21931E+00	GRAMS/SEC						

SHORT DISTANCE (5,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	52	811280.0	814560.0	2533	1927.5306	21.4078
2	63	811280.0	814600.0	926	1895.9462	20.7587
3	63	811280.0	814600.0	604	1895.5270	20.8447
4	63	811280.0	814600.0	7463	1894.8887	20.9758
5	63	811280.0	814600.0	1388	1894.6989	21.0148
6	63	811280.0	814600.0	4124	1892.7798	21.4088
7	52	811280.0	814560.0	4774	1842.3433	26.6496
8	52	811280.0	814560.0	4419	1807.1339	21.6316
9	52	811280.0	814560.0	4461	1805.4535	21.6340
10	52	811280.0	814560.0	3835	1790.5085	20.1891
11	52	811280.0	814560.0	5377	1788.1649	24.1575
12	52	811280.0	814560.0	1620	1783.4292	23.1955
13	52	811280.0	814560.0	4994	1776.5272	20.7756
14	63	811280.0	814600.0	8309	1761.2819	19.2172
15	63	811280.0	814600.0	3352	1759.0823	19.6663
16	63	811280.0	814600.0	4075	1757.9690	19.8942
17	63	811280.0	814600.0	1371	1749.1111	19.7050
18	63	811280.0	814600.0	874	1748.4741	19.8489
19	63	811280.0	814600.0	7269	1747.7561	20.0112
20	63	811280.0	814600.0	5828	1746.1836	20.3672
21	63	811280.0	814600.0	4437	1746.1267	20.3801
22	63	811280.0	814600.0	5002	1746.0696	20.3930
23	63	811280.0	814600.0	4072	1745.9252	20.4252
24	63	811280.0	814600.0	8296	1718.7411	18.6857
25	63	811280.0	814600.0	1235	1717.1091	19.0212
26	63	811280.0	814600.0	2838	1716.1638	19.2135
27	63	811280.0	814600.0	2554	1715.9402	19.2595
28	63	811280.0	814600.0	5276	1714.7365	19.5077
29	63	811280.0	814600.0	49	1708.2551	18.4465
30	63	811280.0	814600.0	8299	1707.7965	18.5435
31	63	811280.0	814600.0	1237	1707.0313	18.7056
32	63	811280.0	814600.0	8349	1706.7506	18.7651
33	63	811280.0	814600.0	7274	1706.2496	18.8712
34	63	811280.0	814600.0	7268	1706.0565	18.9122
35	63	811280.0	814600.0	5945	1704.9968	19.1370
36	63	811280.0	814600.0	3489	1704.9435	19.1483
37	63	811280.0	814600.0	3786	1704.5184	19.2386
38	52	811280.0	814560.0	2133	1700.1891	24.1664
39	63	811280.0	814600.0	7508	1699.6014	18.6460
40	52	811280.0	814560.0	7711	1699.4590	23.5533
41	63	811280.0	814600.0	4146	1697.2445	19.1472
42	52	811280.0	814560.0	5216	1696.8390	25.5491
43	52	811280.0	814560.0	2480	1696.1821	24.8888
44	52	811280.0	814560.0	1176	1688.6653	19.4483
45	52	811280.0	814560.0	3913	1684.1115	20.6243
46	52	811280.0	814560.0	2555	1652.7043	19.0415
47	52	811280.0	814560.0	3264	1652.2319	19.1473
48	52	811280.0	814560.0	3834	1652.1494	19.1658
49	52	811280.0	814560.0	3874	1652.0946	19.1781
50	52	811280.0	814560.0	5753	1633.7305	23.5025

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSTION
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1	811000.0	814400.0	72.5781	5073.	0.5167	68.9965	1826.	0.7912
2	811040.0	814400.0	100.0553	4125.	0.6940	92.0702	5978.	0.6515
3	811080.0	814400.0	131.4986	4125.	0.9470	121.0178	5978.	0.8894
4	811120.0	814400.0	146.6320	2890.	1.0703	134.8185	4442.	1.0819
5	811160.0	814400.0	127.4515	2890.	0.9696	125.3596	7649.	1.0196
6	811200.0	814400.0	192.0066	3835.	1.5296	176.7468	2555.	1.4380
7	811240.0	814400.0	206.7551	4461.	1.8086	193.9565	1176.	1.5766
8	811280.0	814400.0	244.0842	4419.	2.1496	216.3337	1171.	2.6448
9	811320.0	814400.0	271.0406	2533.	2.1584	248.3518	4994.	2.1216
10	811360.0	814400.0	206.2365	2466.	1.6778	190.4155	3740.	1.6325
11	811400.0	814400.0	178.2421	3679.	1.4263	148.4898	6947.	1.9142
12	811000.0	814440.0	77.4194	5073.	0.5626	73.1919	1826.	0.8459
13	811040.0	814440.0	108.6782	5073.	0.8220	101.9779	8202.	0.7134
14	811080.0	814440.0	121.6753	4125.	0.9052	111.9880	5978.	0.8504
15	811120.0	814440.0	202.9824	4125.	1.5814	186.8452	5978.	1.4862
16	811160.0	814440.0	237.7524	2890.	1.9024	218.8296	4442.	1.9106
17	811200.0	814440.0	249.3986	7649.	2.2341	237.7009	264.	2.9118
18	811240.0	814440.0	368.2445	3835.	3.2255	339.1065	2555.	3.0340
19	811280.0	814440.0	375.6078	4419.	3.5589	322.0183	1171.	4.0294
20	811320.0	814440.0	341.2957	2533.	2.9314	312.9968	4994.	2.8706
21	811360.0	814440.0	321.6157	3679.	2.8231	258.6072	5565.	2.4935
22	811400.0	814440.0	237.1340	4752.	2.0676	220.6402	5575.	1.9732
23	811000.0	814480.0	114.6530	4230.	0.7876	114.4255	4618.	0.8016
24	811040.0	814480.0	133.0740	4230.	0.9580	132.8263	4618.	0.9740
25	811080.0	814480.0	140.4856	5073.	1.1419	131.7381	8202.	0.9987
26	811120.0	814480.0	201.9769	5073.	1.7336	189.3098	8202.	1.5244
27	811160.0	814480.0	342.0876	4125.	2.9313	314.9989	5978.	2.7563
28	811200.0	814480.0	429.6673	2890.	3.8511	396.0338	4442.	3.8386
29	811240.0	814480.0	596.6746	3835.	5.6570	549.6504	2555.	5.3224
30	811280.0	814480.0	641.7435	4419.	6.6302	527.8748	1154.	5.3598
31	811320.0	814480.0	627.1099	2466.	6.0897	579.8184	3740.	5.8941
32	811360.0	814480.0	413.7787	4752.	4.0157	385.1447	5575.	3.8314
33	811400.0	814480.0	340.3324	600.	2.9209	339.3434	4958.	3.0077
34	811000.0	814520.0	114.3398	4421.	0.8067	97.4019	3047.	0.7153
35	811040.0	814520.0	128.2509	4421.	0.9515	110.3603	4230.	0.8088
36	811080.0	814520.0	191.7934	4230.	1.4866	191.4733	4618.	1.5091
37	811120.0	814520.0	293.1588	4230.	2.4215	292.7170	4618.	2.4553
38	811160.0	814520.0	328.3652	5073.	3.1081	307.5309	8202.	2.7581
39	811200.0	814520.0	607.6577	4125.	5.8600	559.8217	5978.	5.5124
40	811240.0	814520.0	869.0539	2890.	8.9947	802.6134	4442.	8.8876
41	811280.0	814520.0	1263.5870	4419.	14.4079	1039.2391	1154.	11.7494
42	811320.0	814520.0	1154.0132	3679.	12.3897	930.7462	5565.	10.8848
43	811360.0	814520.0	687.7092	600.	6.6996	686.1579	4958.	6.8678
44	811400.0	814520.0	387.7943	716.	3.5813	337.0514	715.	3.3114
45	811000.0	814560.0	100.3998	5687.	0.7104	92.5980	7206.	0.6530
46	811040.0	814560.0	127.8150	4421.	0.9570	122.6181	5687.	0.9140
47	811080.0	814560.0	192.9426	4421.	1.5326	164.4599	3047.	1.3611
48	811120.0	814560.0	305.1075	4421.	2.5928	260.1865	3047.	2.3045
49	811160.0	814560.0	486.8109	4421.	4.4802	415.3965	3047.	3.9844
50	811200.0	814560.0	736.7971	4230.	7.3741	736.0571	4618.	7.4527
51	811240.0	814560.0	1366.4612	4230.	15.0996	1365.4988	4618.	15.2387
52	811280.0	814560.0	1927.5306	2533.	21.4078	1842.3433	4774.	26.6496
53	811320.0	814560.0	1598.9135	716.	18.4065	1477.0529	587.	16.6426
54	811360.0	814560.0	777.9186	8186.	7.5656	753.1575	587.	7.6353
55	811400.0	814560.0	499.6106	8186.	4.3524	427.3769	7077.	4.2839
56	811000.0	814600.0	109.1103	5687.	0.7727	100.6316	7206.	0.7103
57	811040.0	814600.0	136.5771	5687.	1.0194	125.9636	7206.	0.9389
58	811080.0	814600.0	176.0483	6335.	1.3715	175.1735	5687.	1.3892
59	811120.0	814600.0	287.5809	6335.	2.4014	264.1160	3458.	2.3140
60	811160.0	814600.0	493.6635	6335.	4.4763	453.7059	3458.	4.3038
61	811200.0	814600.0	852.5093	6335.	8.5263	784.1901	3458.	8.1765
62	811240.0	814600.0	1597.0758	877.	17.2462	1596.6644	7365.	17.3073
63	811280.0	814600.0	1895.9462	926.	20.7587	1895.5270	604.	20.8447
64	811320.0	814600.0	1397.5629	1222.	15.4679	1395.9563	7276.	15.7415

65	811360.0	814600.0	841.6400	1280.	8.3505	716.0275	3836.	7.7624
66	811400.0	814600.0	518.7730	1280.	4.6574	440.5466	3836.	4.3551
67	811000.0	814640.0	120.4013	6335.	0.8314	110.4184	3458.	0.8053
68	811040.0	814640.0	141.0704	6335.	1.0262	129.4237	3458.	0.9926
69	811080.0	814640.0	179.4239	877.	1.3292	179.3120	7365.	1.3369
70	811120.0	814640.0	300.1010	877.	2.3812	299.9321	7365.	2.3940
71	811160.0	814640.0	373.2316	1661.	3.1748	372.1499	1476.	3.2661
72	811200.0	814640.0	632.7218	1661.	5.8904	631.1954	1476.	6.0403
73	811240.0	814640.0	1134.0789	2959.	11.4706	1132.9438	7225.	11.6031
74	811280.0	814640.0	1586.0374	926.	16.6328	1585.4845	604.	16.7053
75	811320.0	814640.0	1135.9515	409.	11.3476	1134.5297	2957.	11.5151
76	811360.0	814640.0	671.9913	927.	6.2942	670.1497	6868.	6.4767
77	811400.0	814640.0	375.4645	8329.	3.3527	347.8216	426.	3.1619
78	811000.0	814680.0	115.0970	877.	0.7499	115.0119	7365.	0.7551
79	811040.0	814680.0	141.3547	877.	0.9688	141.2567	7365.	0.9751
80	811080.0	814680.0	159.0806	1661.	1.1429	158.4801	1476.	1.1837
81	811120.0	814680.0	259.8374	1661.	1.9850	258.9393	1476.	2.0506
82	811160.0	814680.0	358.1067	53.	2.8511	357.4878	864.	2.8997
83	811200.0	814680.0	519.0413	2959.	4.5394	518.3049	7225.	4.6034
84	811240.0	814680.0	630.1685	8296.	5.7334	628.7929	1235.	5.8637
85	811280.0	814680.0	803.9605	926.	7.5622	803.5740	604.	7.6005
86	811320.0	814680.0	690.4083	5593.	6.6192	637.6979	1041.	6.0516
87	811360.0	814680.0	501.4264	388.	4.2913	500.8590	408.	4.3409
88	811400.0	814680.0	369.2318	927.	3.0363	367.9238	6868.	3.1413
89	811000.0	814720.0	88.2670	1661.	0.5598	87.8759	1476.	0.5830
90	811040.0	814720.0	132.6631	1661.	0.8801	132.1069	1476.	0.9146
91	811080.0	814720.0	137.6173	1661.	0.9601	137.0768	1476.	0.9956
92	811120.0	814720.0	215.2193	53.	1.5391	214.7841	864.	1.5691
93	811160.0	814720.0	270.7938	2959.	2.1071	270.3248	7225.	2.1418
94	811200.0	814720.0	358.5504	49.	2.8618	358.2646	8299.	2.8841
95	811240.0	814720.0	402.5961	8296.	3.3541	401.5543	1235.	3.4398
96	811280.0	814720.0	465.4828	926.	3.9733	465.2094	604.	3.9963
97	811320.0	814720.0	349.6027	5593.	3.0862	337.3089	7508.	2.8645
98	811360.0	814720.0	360.0326	409.	2.8835	359.3064	2957.	2.9406
99	811400.0	814720.0	277.9622	388.	2.1012	277.5764	408.	2.1297
100	811000.0	814760.0	91.1749	1661.	0.5655	90.7601	1476.	0.5895
101	811040.0	814760.0	98.1394	53.	0.6148	97.9049	864.	0.6288
102	811080.0	814760.0	139.7144	53.	0.9138	139.3973	864.	0.9335
103	811120.0	814760.0	162.2041	2959.	1.1484	161.8822	7225.	1.1696
104	811160.0	814760.0	168.4286	49.	1.2128	168.2723	8299.	1.2235
105	811200.0	814760.0	193.3317	8296.	1.4524	192.7423	1235.	1.4948
106	811240.0	814760.0	252.4062	8309.	1.9557	251.4361	3352.	2.0277
107	811280.0	814760.0	300.2782	926.	2.3605	300.0757	604.	2.3756
108	811320.0	814760.0	276.9149	7508.	2.1768	275.6878	4146.	2.2685
109	811360.0	814760.0	220.5975	5593.	1.7662	203.8143	1041.	1.6013
110	811400.0	814760.0	188.5413	409.	1.3596	188.0971	2957.	1.3902
111	811000.0	814800.0	80.0391	53.	0.4689	79.8326	864.	0.4805
112	811040.0	814800.0	96.8992	53.	0.5884	96.6592	864.	0.6023
113	811080.0	814800.0	107.4236	2959.	0.7036	107.1877	7225.	0.7178
114	811120.0	814800.0	124.0059	2959.	0.8406	123.7452	7225.	0.8570
115	811160.0	814800.0	163.9179	49.	1.1169	163.7541	8299.	1.1275
116	811200.0	814800.0	184.5389	8296.	1.3019	183.9246	1235.	1.3429
117	811240.0	814800.0	200.0289	8309.	1.4465	199.1789	3352.	1.5046
118	811280.0	814800.0	209.2969	926.	1.5331	209.1403	604.	1.5439
119	811320.0	814800.0	203.1017	7508.	1.4923	202.1063	4146.	1.5608
120	811360.0	814800.0	184.8855	5593.	1.3970	170.8464	1041.	1.2626
121	811400.0	814800.0	160.2955	409.	1.0940	159.8891	2957.	1.1204
122	811302.0	815447.7	17.6236	926.	0.0800	17.6001	604.	0.0809
123	811235.0	815355.5	18.1018	926.	0.0848	18.0787	604.	0.0858
124	810966.6	815400.7	17.3585	8296.	0.0768	17.2586	1235.	0.0809
125	811232.6	815274.7	20.4662	926.	0.0991	20.4412	604.	0.1002
126	811073.5	815122.6	35.5896	8296.	0.1790	35.4140	1235.	0.1873
127	811244.1	814973.4	56.4734	8309.	0.3298	56.1604	3352.	0.3469
128	811001.3	814942.9	52.1437	2959.	0.2914	52.0059	7225.	0.2986

129	811047.6	814849.0	84.5799	2959.	0.5182	84.3786	7225.	0.5296
130	811056.8	814532.1	169.0886	4421.	1.2879	144.0973	3047.	1.1433
131	811478.1	813783.7	15.8796	2533.	0.0769	14.4705	4994.	0.0776
132	813166.1	810961.2	1.3271	3679.	0.0054	1.1331	6947.	0.0093
133	813896.4	810819.1	0.7982	3679.	0.0033	0.6735	6947.	0.0053
134	813967.6	810811.9	0.7623	4752.	0.0032	0.7103	5575.	0.0031
135	814100.1	810855.7	0.9735	4752.	0.0041	0.9071	5575.	0.0039
136	814267.1	811195.2	1.1707	4752.	0.0049	1.0907	5575.	0.0047
137	814319.8	811053.9	1.1562	4752.	0.0049	1.0773	5575.	0.0046
138	814046.0	810708.0	0.7387	4752.	0.0031	0.6883	5575.	0.0030
139	814093.0	810618.0	0.6941	4752.	0.0029	0.6505	3679.	0.0026
140	814009.0	810584.0	0.8113	3679.	0.0033	0.6803	6947.	0.0053
141	811509.5	813771.5	12.9433	2466.	0.0656	11.9110	3740.	0.0648
142	813435.5	810937.2	1.4286	3679.	0.0058	1.2151	6947.	0.0098

DATE AT END OF RUN: 01/23/02 TIME AT END OF RUN: 14:19:44.10

ELAPSED TIME FOR THIS RUN: 0.11787E+03 SECONDS

OR 0 HOURS 1 MINUTES 57.87 SECONDS

811520.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811560.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811600.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811640.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811680.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811720.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811760.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811800.000814000.0001.50000000811400.000813600.00040.000000040.0000000
811302.000815447.6881.50000000
811235.000815355.5001.50000000
810966.625815400.6881.50000000
811232.625815274.6881.50000000
811073.500815122.6251.50000000
811244.125814973.3751.50000000
811001.312814942.8751.50000000
811047.625814849.0001.50000000
811056.812814532.1251.50000000
811478.125813783.6881.50000000
813166.125810961.1881.50000000
813896.375810819.1251.50000000
813967.625810811.8751.50000000
814100.125810855.6881.50000000
814267.125811195.1881.50000000
814319.812811053.8751.50000000
811509.500813771.5001.50000000
813435.500810937.1881.50000000
300.0002390000.000811648.500813787.31251.791725214.98462770.10000000-72.71.600
1.00000000180.000000 3 5000.00000273.000000

FDM - (DATED 93070)

IBM-PC VERSION (1.10)
 (C) COPYRIGHT 1991-1995, TRINITY CONSULTANTS, INC.

DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:19:44.15

RUN TITLE:

Tung Chung Road near Tung Chung (Site 4)

INPUT FILE NAME: FDM4.DAT
 OUTPUT FILE NAME: FDM4.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
 MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
 PLOT FILE OUTPUT, 1=NO, 2=YES 1
 MET DATA PRINT SWITCH, 1=NO, 2=YES 1
 POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
 DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
 PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
 PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
 BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
 READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
 NUMBER OF SOURCES PROCESSED 1
 NUMBER OF RECEPTORS PROCESSED 142
 NUMBER OF PARTICLE SIZE CLASSES 9
 NUMBER OF HOURS OF MET DATA PROCESSED 8354
 LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
 ROUGHNESS LENGTH IN CM 100.00
 SCALING FACTOR FOR SOURCE AND RECEPTORS 1.0000
 PARTICLE DENSITY IN G/CM**3 1.60
 ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.500000	**	**	0.0400
2	1.500000	**	**	0.0700
3	2.250000	**	**	0.0400
4	2.750000	**	**	0.0300
5	3.500000	**	**	0.0700
6	4.500000	**	**	0.0500
7	5.500000	**	**	0.0400
8	8.000000	**	**	0.1700
9	20.000000	**	**	0.4900

 ** COMPUTED BY FDM

RECEPTOR COORDINATES (X,Y,Z)

(811400., 813600., 2.) (811440., 813600., 2.) (811480., 813600., 2.)
 (811520., 813600., 2.) (811560., 813600., 2.) (811600., 813600., 2.)
 (811640., 813600., 2.) (811680., 813600., 2.) (811720., 813600., 2.)

(811760., 813600., 2.) (811800., 813600., 2.) (811400., 813640., 2.)
(811440., 813640., 2.) (811480., 813640., 2.) (811520., 813640., 2.)
(811560., 813640., 2.) (811600., 813640., 2.) (811640., 813640., 2.)
(811680., 813640., 2.) (811720., 813640., 2.) (811760., 813640., 2.)
(811800., 813640., 2.) (811400., 813680., 2.) (811440., 813680., 2.)
(811480., 813680., 2.) (811520., 813680., 2.) (811560., 813680., 2.)
(811600., 813680., 2.) (811640., 813680., 2.) (811680., 813680., 2.)
(811720., 813680., 2.) (811760., 813680., 2.) (811800., 813680., 2.)
(811400., 813720., 2.) (811440., 813720., 2.) (811480., 813720., 2.)
(811520., 813720., 2.) (811560., 813720., 2.) (811600., 813720., 2.)
(811640., 813720., 2.) (811680., 813720., 2.) (811720., 813720., 2.)
(811760., 813720., 2.) (811800., 813720., 2.) (811400., 813760., 2.)
(811440., 813760., 2.) (811480., 813760., 2.) (811520., 813760., 2.)
(811560., 813760., 2.) (811600., 813760., 2.) (811640., 813760., 2.)
(811680., 813760., 2.) (811720., 813760., 2.) (811760., 813760., 2.)
(811800., 813760., 2.) (811400., 813800., 2.) (811440., 813800., 2.)
(811480., 813800., 2.) (811520., 813800., 2.) (811560., 813800., 2.)
(811600., 813800., 2.) (811640., 813800., 2.) (811680., 813800., 2.)
(811720., 813800., 2.) (811760., 813800., 2.) (811800., 813800., 2.)
(811400., 813840., 2.) (811440., 813840., 2.) (811480., 813840., 2.)
(811520., 813840., 2.) (811560., 813840., 2.) (811600., 813840., 2.)
(811640., 813840., 2.) (811680., 813840., 2.) (811720., 813840., 2.)
(811760., 813840., 2.) (811800., 813840., 2.) (811400., 813880., 2.)
(811440., 813880., 2.) (811480., 813880., 2.) (811520., 813880., 2.)
(811560., 813880., 2.) (811600., 813880., 2.) (811640., 813880., 2.)
(811680., 813880., 2.) (811720., 813880., 2.) (811760., 813880., 2.)
(811800., 813880., 2.) (811400., 813920., 2.) (811440., 813920., 2.)
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(811600., 813920., 2.) (811640., 813920., 2.) (811680., 813920., 2.)
(811720., 813920., 2.) (811760., 813920., 2.) (811800., 813920., 2.)
(811400., 813960., 2.) (811440., 813960., 2.) (811480., 813960., 2.)
(811520., 813960., 2.) (811560., 813960., 2.) (811600., 813960., 2.)
(811640., 813960., 2.) (811680., 813960., 2.) (811720., 813960., 2.)
(811760., 813960., 2.) (811800., 813960., 2.) (811400., 814000., 2.)
(811440., 814000., 2.) (811480., 814000., 2.) (811520., 814000., 2.)
(811560., 814000., 2.) (811600., 814000., 2.) (811640., 814000., 2.)
(811680., 814000., 2.) (811720., 814000., 2.) (811760., 814000., 2.)
(811800., 814000., 2.) (811302., 815448., 2.) (811235., 815356., 2.)
(810967., 815401., 2.) (811233., 815275., 2.) (811074., 815123., 2.)
(811244., 814973., 2.) (811001., 814943., 2.) (811048., 814849., 2.)
(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
(813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
(814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
(814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
(813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS.	TOTAL	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
	RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	EMISSION RATE (G/SEC)							
3	0.000239000	0.18548	0.000	811649.	813787.	52.	15.	0.50	-72.70
TOTAL EMISSIONS		0.18548E+00	GRAMS/SEC						

SHORT DISTANCE (5,000 M) MASS CONSERVATION CORRECTION FACTORS USED

1

RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	62	811640.0	813800.0	8296	1874.5217	20.3390
2	62	811640.0	813800.0	1235	1872.6884	20.7049
3	73	811640.0	813840.0	8309	1872.6775	19.8694
4	62	811640.0	813800.0	2838	1871.6382	20.9149
5	62	811640.0	813800.0	2554	1871.3872	20.9651
6	62	811640.0	813800.0	5276	1870.0339	21.2357
7	73	811640.0	813840.0	3352	1869.2711	20.3481
8	73	811640.0	813840.0	4075	1867.5464	20.5912
9	62	811640.0	813800.0	49	1858.8240	20.0699
10	62	811640.0	813800.0	8299	1858.2939	20.1752
11	62	811640.0	813800.0	1237	1857.4088	20.3512
12	62	811640.0	813800.0	8349	1857.0840	20.4157
13	62	811640.0	813800.0	7274	1856.5018	20.5310
14	62	811640.0	813800.0	7268	1856.2783	20.5755
15	62	811640.0	813800.0	5945	1855.0541	20.8196
16	62	811640.0	813800.0	3489	1854.9922	20.8319
17	62	811640.0	813800.0	3786	1854.5013	20.9299
18	62	811640.0	813800.0	929	1729.1788	19.3662
19	62	811640.0	813800.0	925	1728.7750	19.4549
20	62	811640.0	813800.0	7366	1728.4968	19.5160
21	62	811640.0	813800.0	1752	1726.4171	19.9735
22	62	811640.0	813800.0	3840	1726.3579	19.9865
23	62	811640.0	813800.0	4910	1726.0073	20.0638
24	62	811640.0	813800.0	4122	1725.8618	20.0958
25	62	811640.0	813800.0	5231	1725.7753	20.1150
26	73	811640.0	813840.0	1365	1723.6971	19.0954
27	73	811640.0	813840.0	6427	1721.9891	19.3597
28	73	811640.0	813840.0	3165	1721.8630	19.3793
29	73	811640.0	813840.0	5194	1721.3197	19.4635
30	73	811640.0	813840.0	5570	1721.2783	19.4700
31	73	811640.0	813840.0	4191	1721.1952	19.4828
32	73	811640.0	813840.0	5750	1721.0708	19.5021
33	73	811640.0	813840.0	3303	1720.9880	19.5150
34	73	811640.0	813840.0	5808	1720.5354	19.5852
35	73	811640.0	813840.0	4414	1720.3716	19.6106
36	62	811640.0	813800.0	1220	1714.5172	19.1368
37	62	811640.0	813800.0	923	1712.8906	19.4930
38	62	811640.0	813800.0	3508	1711.6066	19.7740
39	62	811640.0	813800.0	5789	1711.2271	19.8573
40	62	811640.0	813800.0	3811	1711.1400	19.8764
41	62	811640.0	813800.0	4843	1711.1400	19.8764
42	62	811640.0	813800.0	4166	1711.0825	19.8892
43	62	811640.0	813800.0	3809	1710.9957	19.9082
44	62	811640.0	813800.0	4462	1710.7079	19.9714
45	62	811640.0	813800.0	5785	1710.6796	19.9776
46	62	811640.0	813800.0	8209	1606.8824	17.8968
47	62	811640.0	813800.0	1219	1604.9021	18.3706
48	62	811640.0	813800.0	7275	1603.6957	18.6593
49	62	811640.0	813800.0	5257	1601.8463	19.1034
50	62	811640.0	813800.0	3785	1601.5692	19.1701

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSTION
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1	811400.0	813600.0	78.6479	4125.	0.5403	72.3691	5978.	0.5071
2	811440.0	813600.0	101.4492	4125.	0.7238	93.3608	5978.	0.6797
3	811480.0	813600.0	110.4292	2890.	0.7960	101.5177	4442.	0.8054
4	811520.0	813600.0	107.7036	2890.	0.8118	99.0626	4442.	0.8187
5	811560.0	813600.0	133.9310	3835.	1.0512	123.2812	2555.	0.9882
6	811600.0	813600.0	164.8938	3835.	1.3384	151.7992	2555.	1.2585
7	811640.0	813600.0	181.2622	4419.	1.5817	161.3164	1171.	1.9660
8	811680.0	813600.0	234.7188	2533.	1.8590	215.0576	4994.	1.8277
9	811720.0	813600.0	194.9327	2466.	1.5818	179.9758	3740.	1.5392
10	811760.0	813600.0	164.7414	3679.	1.3172	137.2756	6947.	1.7691
11	811800.0	813600.0	125.0486	4752.	1.0018	116.3247	5575.	0.9562
12	811400.0	813640.0	83.1430	5073.	0.6230	78.0236	8202.	0.5402
13	811440.0	813640.0	95.8740	4125.	0.7045	88.2378	5978.	0.6617
14	811480.0	813640.0	150.6613	4125.	1.1600	138.6793	5978.	1.0900
15	811520.0	813640.0	171.9049	2890.	1.3552	158.1946	4442.	1.3624
16	811560.0	813640.0	179.0767	7649.	1.5797	171.8279	264.	2.0949
17	811600.0	813640.0	307.7838	3835.	2.6660	283.4163	2555.	2.5076
18	811640.0	813640.0	262.8760	4419.	2.4608	226.6205	1171.	2.8246
19	811680.0	813640.0	348.8542	2533.	2.9822	319.9105	4994.	2.9210
20	811720.0	813640.0	241.2537	3679.	2.1220	193.9949	5565.	1.8742
21	811760.0	813640.0	191.2671	4752.	1.6745	177.9660	5575.	1.5980
22	811800.0	813640.0	145.7654	600.	1.1371	145.2728	4958.	1.1752
23	811400.0	813680.0	98.8678	4230.	0.7049	98.6813	4618.	0.7168
24	811440.0	813680.0	108.5717	5073.	0.8719	101.8225	8202.	0.7617
25	811480.0	813680.0	145.2067	5073.	1.2311	136.1134	8202.	1.0813
26	811520.0	813680.0	237.3073	4125.	2.0026	218.5023	5978.	1.8829
27	811560.0	813680.0	292.6391	2890.	2.5763	269.6695	4442.	2.5709
28	811600.0	813680.0	377.1486	3835.	3.4924	347.3898	2555.	3.2856
29	811640.0	813680.0	443.3596	4461.	4.5872	415.2349	1176.	4.0675
30	811680.0	813680.0	504.6986	2466.	4.8895	466.6289	3740.	4.7327
31	811720.0	813680.0	359.2248	3679.	3.3662	289.1066	5565.	2.9678
32	811760.0	813680.0	268.0220	600.	2.3204	267.2547	4958.	2.3886
33	811800.0	813680.0	162.0806	600.	1.3084	161.5604	4958.	1.3504
34	811400.0	813720.0	94.6928	4230.	0.6868	94.5185	4618.	0.6981
35	811440.0	813720.0	148.7169	4230.	1.1390	148.4640	4618.	1.1565
36	811480.0	813720.0	204.0671	4230.	1.6631	203.7526	4618.	1.6867
37	811520.0	813720.0	229.6175	5073.	2.1371	215.0774	8202.	1.8935
38	811560.0	813720.0	385.1420	4125.	3.6359	354.7907	5978.	3.4202
39	811600.0	813720.0	550.1402	2890.	5.5813	507.9276	4442.	5.5210
40	811640.0	813720.0	980.8964	4461.	11.1238	917.8164	1176.	9.9431
41	811680.0	813720.0	980.9917	3679.	10.6084	877.4625	2466.	9.3126
42	811720.0	813720.0	603.2078	600.	5.9487	601.8865	4958.	6.0956
43	811760.0	813720.0	337.5413	716.	3.1451	293.3982	715.	2.9076
44	811800.0	813720.0	217.4117	587.	1.8282	200.3116	3784.	1.8220
45	811400.0	813760.0	109.2109	4421.	0.8107	93.0576	3047.	0.7194
46	811440.0	813760.0	154.2121	4421.	1.2125	131.4395	3047.	1.0767
47	811480.0	813760.0	218.7952	4421.	1.8362	186.5652	3047.	1.6318
48	811520.0	813760.0	301.0003	4421.	2.7250	256.8108	3047.	2.4232
49	811560.0	813760.0	479.0421	4230.	4.7011	478.5351	4618.	4.7526
50	811600.0	813760.0	745.0701	4230.	8.0750	744.4962	4618.	8.1516
51	811640.0	813760.0	1589.0962	3835.	18.0131	1465.9233	2555.	16.9698
52	811680.0	813760.0	1360.0508	600.	15.2775	1358.1875	4958.	15.5935
53	811720.0	813760.0	611.2581	587.	6.2778	564.6044	3784.	6.1847
54	811760.0	813760.0	369.0268	8186.	3.2683	315.7867	7077.	3.2112
55	811800.0	813760.0	252.5328	8186.	2.0253	215.6417	7077.	2.0117
56	811400.0	813800.0	117.3535	5687.	0.8693	108.2340	7206.	0.8004
57	811440.0	813800.0	152.9647	5687.	1.2028	141.0759	7206.	1.1095
58	811480.0	813800.0	208.4889	5687.	1.7556	192.2949	7206.	1.6227
59	811520.0	813800.0	299.6171	6335.	2.6715	299.5757	5687.	2.7364
60	811560.0	813800.0	509.1335	6335.	4.9953	470.3749	5687.	4.7286
61	811600.0	813800.0	861.7833	6335.	9.4423	856.3604	877.	9.0390
62	811640.0	813800.0	1874.5217	8296.	20.3390	1872.6884	1235.	20.7049
63	811680.0	813800.0	932.8966	1222.	10.4549	931.9159	7276.	10.6370
64	811720.0	813800.0	528.6580	1280.	5.3257	515.4072	427.	5.0886

65	811760.0	813800.0	362.8788	1280.	3.3101	326.0157	427.	2.9056
66	811800.0	813800.0	228.8660	1280.	1.9117	227.4663	427.	1.8539
67	811400.0	813840.0	120.7479	6335.	0.8731	110.7741	3458.	0.8446
68	811440.0	813840.0	143.6326	6335.	1.1031	131.8253	3458.	1.0653
69	811480.0	813840.0	210.4292	877.	1.6526	210.3089	7365.	1.6616
70	811520.0	813840.0	329.6521	877.	2.8167	329.4884	7365.	2.8304
71	811560.0	813840.0	550.5538	1661.	5.0890	549.2040	1476.	5.2198
72	811600.0	813840.0	961.2621	53.	9.7112	960.2817	864.	9.8321
73	811640.0	813840.0	1872.6775	8309.	19.8694	1869.2711	3352.	20.3481
74	811680.0	813840.0	847.5200	409.	8.6082	846.5140	2957.	8.7324
75	811720.0	813840.0	488.4095	927.	4.6467	487.1201	6868.	4.7785
76	811760.0	813840.0	292.6428	1222.	2.6234	292.0116	7276.	2.6845
77	811800.0	813840.0	229.6363	1222.	1.8941	229.0633	7276.	1.9431
78	811400.0	813880.0	117.8163	877.	0.8035	117.7341	7365.	0.8087
79	811440.0	813880.0	134.3202	877.	0.9721	134.2336	7365.	0.9780
80	811480.0	813880.0	205.0563	1661.	1.5582	204.3419	1476.	1.6100
81	811520.0	813880.0	243.3271	53.	1.9234	242.9017	864.	1.9565
82	811560.0	813880.0	370.6427	2959.	3.2297	370.1129	7225.	3.2755
83	811600.0	813880.0	666.0330	49.	6.1174	665.6249	8299.	6.1570
84	811640.0	813880.0	700.6056	926.	6.7707	700.2903	604.	6.8038
85	811680.0	813880.0	627.7053	5593.	6.1410	579.7621	1041.	5.6190
86	811720.0	813880.0	402.2306	388.	3.5159	401.7934	408.	3.5554
87	811760.0	813880.0	291.5314	927.	2.4343	290.5256	6868.	2.5168
88	811800.0	813880.0	193.9529	8329.	1.5759	179.6160	426.	1.4855
89	811400.0	813920.0	103.6261	1661.	0.6848	103.1895	1476.	0.7118
90	811440.0	813920.0	130.7800	1661.	0.9110	130.2652	1476.	0.9447
91	811480.0	813920.0	171.7057	53.	1.2248	171.3571	864.	1.2488
92	811520.0	813920.0	191.9426	2959.	1.4906	191.6090	7225.	1.5152
93	811560.0	813920.0	268.8870	49.	2.1527	268.6736	8299.	2.1694
94	811600.0	813920.0	410.5699	8296.	3.4557	409.5262	1235.	3.5429
95	811640.0	813920.0	402.1346	926.	3.5022	401.9070	604.	3.5219
96	811680.0	813920.0	338.5120	7508.	2.9077	337.2206	4146.	3.0166
97	811720.0	813920.0	306.3492	409.	2.4996	305.7500	2957.	2.5479
98	811760.0	813920.0	230.9437	388.	1.7720	230.6302	408.	1.7955
99	811800.0	813920.0	179.4090	927.	1.3458	178.6753	6868.	1.3981
100	811400.0	813960.0	75.1787	1661.	0.4860	74.8532	1476.	0.5057
101	811440.0	813960.0	119.2438	53.	0.7791	118.9728	864.	0.7960
102	811480.0	813960.0	116.3951	2959.	0.8231	116.1637	7225.	0.8383
103	811520.0	813960.0	165.1234	2959.	1.2249	164.8163	7225.	1.2463
104	811560.0	813960.0	209.1600	49.	1.5726	208.9773	8299.	1.5858
105	811600.0	813960.0	214.1373	8296.	1.6652	213.5171	1235.	1.7117
106	811640.0	813960.0	258.7816	926.	2.0655	258.6111	604.	2.0786
107	811680.0	813960.0	258.1965	7508.	2.0573	257.0763	4146.	2.1424
108	811720.0	813960.0	205.3305	5593.	1.6617	189.7051	1041.	1.5074
109	811760.0	813960.0	166.1373	409.	1.2114	165.7518	2957.	1.2383
110	811800.0	813960.0	144.3031	388.	0.9987	144.0769	408.	1.0138
111	811400.0	814000.0	85.2743	53.	0.5176	85.0630	864.	0.5298
112	811440.0	814000.0	78.2063	2959.	0.5118	78.0344	7225.	0.5222
113	811480.0	814000.0	117.5379	2959.	0.7988	117.2916	7225.	0.8144
114	811520.0	814000.0	140.5276	49.	0.9612	140.3879	8299.	0.9703
115	811560.0	814000.0	152.8627	8296.	1.0852	152.3580	1235.	1.1192
116	811600.0	814000.0	167.4644	8309.	1.2225	166.7620	3352.	1.2710
117	811640.0	814000.0	179.9740	926.	1.3347	179.8416	604.	1.3439
118	811680.0	814000.0	178.9517	7508.	1.3322	178.0909	4146.	1.3923
119	811720.0	814000.0	162.3481	5593.	1.2418	150.0147	1041.	1.1231
120	811760.0	814000.0	137.0099	409.	0.9480	136.6686	2957.	0.9705
121	811800.0	814000.0	99.8916	388.	0.6619	99.7261	408.	0.6724
122	811302.0	815447.7	4.8444	8309.	0.0188	4.7985	3352.	0.0203
123	811235.0	815355.5	3.7199	8309.	0.0145	3.6852	3352.	0.0157
124	810966.6	815400.7	4.2088	8296.	0.0160	4.1780	1235.	0.0170
125	811232.6	815274.7	4.3009	8296.	0.0167	4.2707	1235.	0.0177
126	811073.5	815122.6	5.4700	8296.	0.0215	5.4323	1235.	0.0228
127	811244.1	814973.4	8.1577	8296.	0.0330	8.1042	1235.	0.0350
128	811001.3	814942.9	7.5617	49.	0.0298	7.5470	8299.	0.0303

129	811047.6	814849.0	8.6850	49.	0.0348	8.6687	8299.	0.0354
130	811056.8	814532.1	12.5765	2959.	0.0560	12.5328	7225.	0.0577
131	811478.1	813783.7	221.1796	5687.	1.8490	203.9984	7206.	1.7086
132	813166.1	810961.2	1.6770	3679.	0.0070	1.4627	6947.	0.0126
133	813896.4	810819.1	1.1353	4752.	0.0049	1.0582	2463.	0.0088
134	813967.6	810811.9	1.2066	4752.	0.0052	1.1236	5575.	0.0049
135	814100.1	810855.7	1.2965	4752.	0.0055	1.2074	5575.	0.0053
136	814267.1	811195.2	0.9512	600.	0.0036	0.9418	4958.	0.0039
137	814319.8	811053.9	0.8815	4752.	0.0038	0.8209	5575.	0.0036
138	814046.0	810708.0	1.1482	4752.	0.0049	1.0694	5575.	0.0047
139	814093.0	810618.0	1.0828	4752.	0.0046	1.0085	5575.	0.0044
140	814009.0	810584.0	0.9364	4752.	0.0040	0.8721	5575.	0.0038
141	811509.5	813771.5	274.7411	4421.	2.4498	234.3784	3047.	2.1782
142	813435.5	810937.2	1.5310	3679.	0.0064	1.3302	6947.	0.0114

DATE AT END OF RUN: 01/23/02 TIME AT END OF RUN: 14:21:34.06

ELAPSED TIME FOR THIS RUN: 0.10991E+03 SECONDS

OR 0 HOURS 1 MINUTES 49.91 SECONDS

813920.000811000.0001.50000000813800.000810600.00040.000000040.0000000
813960.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814000.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814040.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814080.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814120.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814160.000811000.0001.50000000813800.000810600.00040.000000040.0000000
814200.000811000.0001.50000000813800.000810600.00040.000000040.0000000
811302.000815447.6881.500000000
811235.000815355.5001.500000000
810966.625815400.6881.500000000
811232.625815274.6881.500000000
811073.500815122.6251.500000000
811244.125814973.3751.500000000
811001.312814942.8751.500000000
811047.625814849.0001.500000000
811056.812814532.1251.500000000
811478.125813783.6881.500000000
813166.125810961.1881.500000000
813896.375810819.1251.500000000
813967.625810811.8751.500000000
814100.125810855.6881.500000000
814267.125811195.1881.500000000
814319.812811053.8751.500000000
811509.500813771.5001.500000000
813435.500810937.1881.500000000
300.00023900000.000814159.000810890.50046.016803710.65685460.1000000041.421.600
1.00000000180.000000 3 5000.00000273.000000

FDM - (DATED 93070)

IBM-PC VERSION (1.10)
 (C) COPYRIGHT 1991-1995, TRINITY CONSULTANTS, INC.

DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:21:34.17

RUN TITLE:

Tung Chung Road near Cheung Sha (Site 5)

INPUT FILE NAME: FDM5.DAT
 OUTPUT FILE NAME: FDM5.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
 MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
 PLOT FILE OUTPUT, 1=NO, 2=YES 1
 MET DATA PRINT SWITCH, 1=NO, 2=YES 1
 POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
 DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
 PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
 PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
 BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
 READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
 NUMBER OF SOURCES PROCESSED 1
 NUMBER OF RECEPTORS PROCESSED 142
 NUMBER OF PARTICLE SIZE CLASSES 9
 NUMBER OF HOURS OF MET DATA PROCESSED 8354
 LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
 ROUGHNESS LENGTH IN CM 100.00
 SCALING FACTOR FOR SOURCE AND RECEPTORS 1.0000
 PARTICLE DENSITY IN G/CM**3 1.60
 ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.5000000	**	**	0.0400
2	1.5000000	**	**	0.0700
3	2.2500000	**	**	0.0400
4	2.7500000	**	**	0.0300
5	3.5000000	**	**	0.0700
6	4.5000000	**	**	0.0500
7	5.5000000	**	**	0.0400
8	8.0000000	**	**	0.1700
9	20.0000000	**	**	0.4900

 ** COMPUTED BY FDM

RECEPTOR COORDINATES (X,Y,Z)

(813800., 810600., 2.) (813840., 810600., 2.) (813880., 810600., 2.)
 (813920., 810600., 2.) (813960., 810600., 2.) (814000., 810600., 2.)
 (814040., 810600., 2.) (814080., 810600., 2.) (814120., 810600., 2.)

(814160., 810600., 2.) (814200., 810600., 2.) (813800., 810640., 2.)
(813840., 810640., 2.) (813880., 810640., 2.) (813920., 810640., 2.)
(813960., 810640., 2.) (814000., 810640., 2.) (814040., 810640., 2.)
(814080., 810640., 2.) (814120., 810640., 2.) (814160., 810640., 2.)
(814200., 810640., 2.) (813800., 810680., 2.) (813840., 810680., 2.)
(813880., 810680., 2.) (813920., 810680., 2.) (813960., 810680., 2.)
(814000., 810680., 2.) (814040., 810680., 2.) (814080., 810680., 2.)
(814120., 810680., 2.) (814160., 810680., 2.) (814200., 810680., 2.)
(813800., 810720., 2.) (813840., 810720., 2.) (813880., 810720., 2.)
(813920., 810720., 2.) (813960., 810720., 2.) (814000., 810720., 2.)
(814040., 810720., 2.) (814080., 810720., 2.) (814120., 810720., 2.)
(814160., 810720., 2.) (814200., 810720., 2.) (813800., 810760., 2.)
(813840., 810760., 2.) (813880., 810760., 2.) (813920., 810760., 2.)
(813960., 810760., 2.) (814000., 810760., 2.) (814040., 810760., 2.)
(814080., 810760., 2.) (814120., 810760., 2.) (814160., 810760., 2.)
(814200., 810760., 2.) (813800., 810800., 2.) (813840., 810800., 2.)
(813880., 810800., 2.) (813920., 810800., 2.) (813960., 810800., 2.)
(814000., 810800., 2.) (814040., 810800., 2.) (814080., 810800., 2.)
(814120., 810800., 2.) (814160., 810800., 2.) (814200., 810800., 2.)
(813800., 810840., 2.) (813840., 810840., 2.) (813880., 810840., 2.)
(813920., 810840., 2.) (813960., 810840., 2.) (814000., 810840., 2.)
(814040., 810840., 2.) (814080., 810840., 2.) (814120., 810840., 2.)
(814160., 810840., 2.) (814200., 810840., 2.) (813800., 810880., 2.)
(813840., 810880., 2.) (813880., 810880., 2.) (813920., 810880., 2.)
(813960., 810880., 2.) (814000., 810880., 2.) (814040., 810880., 2.)
(814080., 810880., 2.) (814120., 810880., 2.) (814160., 810880., 2.)
(814200., 810880., 2.) (813800., 810920., 2.) (813840., 810920., 2.)
(813880., 810920., 2.) (813920., 810920., 2.) (813960., 810920., 2.)
(814000., 810920., 2.) (814040., 810920., 2.) (814080., 810920., 2.)
(814120., 810920., 2.) (814160., 810920., 2.) (814200., 810920., 2.)
(813800., 810960., 2.) (813840., 810960., 2.) (813880., 810960., 2.)
(813920., 810960., 2.) (813960., 810960., 2.) (814000., 810960., 2.)
(814040., 810960., 2.) (814080., 810960., 2.) (814120., 810960., 2.)
(814160., 810960., 2.) (814200., 810960., 2.) (813800., 811000., 2.)
(813840., 811000., 2.) (813880., 811000., 2.) (813920., 811000., 2.)
(813960., 811000., 2.) (814000., 811000., 2.) (814040., 811000., 2.)
(814080., 811000., 2.) (814120., 811000., 2.) (814160., 811000., 2.)
(814200., 811000., 2.) (811302., 815448., 2.) (811235., 815356., 2.)
(810967., 815401., 2.) (811233., 815275., 2.) (811074., 815123., 2.)
(811244., 814973., 2.) (811001., 814943., 2.) (811048., 814849., 2.)
(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
(813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
(814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
(814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
(813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS.	TOTAL	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
	RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	EMISSION RATE (G/SEC)							
3	0.000239000	0.11720	0.000	814159.	810891.	46.	11.	0.50	41.42
TOTAL EMISSIONS		0.11720E+00	GRAMS/SEC						

LONG DISTANCE (50,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	99	814200.0	810920.0	927	1245.0305	13.2876
2	99	814200.0	810920.0	6867	1242.7936	13.6089
3	99	814200.0	810920.0	3786	1241.8746	13.7412
4	99	814200.0	810920.0	5801	1241.2014	13.8383
5	87	814160.0	810880.0	3834	1204.8101	13.5560
6	99	814200.0	810920.0	8328	1160.7239	12.8704
7	86	814120.0	810880.0	4420	1149.6984	13.0063
8	99	814200.0	810920.0	18	1146.7854	12.6527
9	99	814200.0	810920.0	2534	1145.5482	12.8482
10	99	814200.0	810920.0	5402	1144.6984	12.9827
11	87	814160.0	810880.0	2554	1112.3207	12.7915
12	87	814160.0	810880.0	3263	1112.0304	12.8629
13	87	814160.0	810880.0	3833	1111.9796	12.8754
14	87	814160.0	810880.0	3873	1111.9457	12.8838
15	99	814200.0	810920.0	426	1076.4067	12.1494
16	99	814200.0	810920.0	599	1075.2279	12.3606
17	99	814200.0	810920.0	1437	1062.3718	12.1221
18	87	814160.0	810880.0	5376	1037.0671	14.0485
19	86	814120.0	810880.0	5686	1010.7650	11.4871
20	86	814120.0	810880.0	4229	1004.7653	11.1232
21	86	814120.0	810880.0	4617	1004.0753	11.2254
22	99	814200.0	810920.0	512	1001.7495	11.8030
23	99	814200.0	810920.0	5212	1000.1134	12.1213
24	99	814200.0	810920.0	3809	1000.0430	12.1350
25	99	814200.0	810920.0	1214	990.3257	11.4559
26	99	814200.0	810920.0	1276	989.5109	11.6078
27	99	814200.0	810920.0	3766	988.0747	11.8763
28	99	814200.0	810920.0	4656	987.9055	11.9080
29	86	814120.0	810880.0	3046	983.4428	11.5887
30	86	814120.0	810880.0	4861	982.5961	11.7571
31	98	814160.0	810920.0	7507	963.6250	10.6319
32	98	814160.0	810920.0	4145	961.9442	10.9127
33	87	814160.0	810880.0	5752	947.2501	13.6601
34	87	814160.0	810880.0	4773	939.4429	13.6256
35	99	814200.0	810920.0	8337	939.2124	10.9491
36	99	814200.0	810920.0	8330	938.7532	11.0449
37	99	814200.0	810920.0	4570	935.6421	11.6959
38	99	814200.0	810920.0	4651	935.5756	11.7099
39	86	814120.0	810880.0	7205	932.9530	10.6951
40	86	814120.0	810880.0	6822	932.3241	10.8227
41	86	814120.0	810880.0	3913	931.9478	10.8992
42	98	814160.0	810920.0	926	928.1417	10.2322
43	98	814160.0	810920.0	604	927.9130	10.2740
44	98	814160.0	810920.0	7462	927.5644	10.3377
45	98	814160.0	810920.0	1388	927.4608	10.3566
46	98	814160.0	810920.0	4123	926.4153	10.5479
47	86	814120.0	810880.0	3049	926.3980	10.4716
48	86	814120.0	810880.0	5044	925.4803	10.6210
49	87	814160.0	810880.0	3832	901.9545	11.3524
50	98	814160.0	810920.0	7827	888.8824	9.9583

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSTION
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1	813800.0	810600.0	30.0676	4124.	0.1833	27.7368	44.	0.3601
2	813840.0	810600.0	31.9847	4124.	0.1991	29.4185	5977.	0.1866
3	813880.0	810600.0	29.5435	2889.	0.1816	27.6745	452.	0.3637
4	813920.0	810600.0	40.3863	2889.	0.2539	37.5179	452.	0.4937
5	813960.0	810600.0	32.8506	264.	0.4169	30.0857	2889.	0.1937
6	814000.0	810600.0	45.1670	264.	0.5738	41.0535	7836.	0.5651
7	814040.0	810600.0	56.3732	3834.	0.3879	51.8665	2554.	0.3643
8	814080.0	810600.0	47.5232	3834.	0.3308	43.7258	2554.	0.3107
9	814120.0	810600.0	53.6796	7627.	0.6907	53.4960	132.	0.7112
10	814160.0	810600.0	57.8732	1171.	0.7417	57.3595	4661.	0.7995
11	814200.0	810600.0	62.2695	2532.	0.4246	56.9576	4993.	0.4209
12	813800.0	810640.0	23.5074	4124.	0.1458	22.2494	1826.	0.2849
13	813840.0	810640.0	36.6344	4124.	0.2325	33.6974	5977.	0.2180
14	813880.0	810640.0	42.0626	4124.	0.2737	38.6940	5977.	0.2567
15	813920.0	810640.0	39.6346	2889.	0.2568	36.3923	452.	0.4796
16	813960.0	810640.0	52.4112	2889.	0.3488	48.1300	4441.	0.3553
17	814000.0	810640.0	51.9262	264.	0.6610	47.1905	7836.	0.6508
18	814040.0	810640.0	53.2386	3834.	0.3829	48.9902	2554.	0.3598
19	814080.0	810640.0	74.7173	3834.	0.5446	68.7580	2554.	0.5117
20	814120.0	810640.0	71.2725	7627.	0.9194	71.2238	4460.	0.5664
21	814160.0	810640.0	72.7971	4418.	0.5800	72.7093	1171.	0.9342
22	814200.0	810640.0	82.0177	2532.	0.5878	75.0631	4993.	0.5811
23	813800.0	810680.0	33.4142	1826.	0.4284	31.6748	7135.	0.4337
24	813840.0	810680.0	33.0828	1826.	0.4249	31.3600	7135.	0.4300
25	813880.0	810680.0	44.5678	4124.	0.2967	41.0019	5977.	0.2784
26	813920.0	810680.0	57.7404	4124.	0.3963	53.1263	5977.	0.3720
27	813960.0	810680.0	56.2290	2889.	0.3882	51.6596	4441.	0.3942
28	814000.0	810680.0	68.4043	2889.	0.4877	62.8704	4441.	0.4940
29	814040.0	810680.0	76.7072	264.	0.9796	70.8754	7648.	0.5595
30	814080.0	810680.0	107.2336	3834.	0.8247	98.6982	2554.	0.7753
31	814120.0	810680.0	97.7527	4460.	0.8215	94.7774	7627.	1.2258
32	814160.0	810680.0	97.5627	4418.	0.8218	94.3808	1171.	1.2158
33	814200.0	810680.0	106.4030	2532.	0.8071	97.4410	4993.	0.7954
34	813800.0	810720.0	27.1658	4229.	0.1714	27.1049	4617.	0.1748
35	813840.0	810720.0	40.1237	1826.	0.5158	38.0338	7135.	0.5220
36	813880.0	810720.0	48.5907	1826.	0.6259	46.6916	5072.	0.3379
37	813920.0	810720.0	52.8008	4124.	0.3726	48.5862	5977.	0.3499
38	813960.0	810720.0	83.8022	4124.	0.6140	77.1228	5977.	0.5768
39	814000.0	810720.0	86.4068	2889.	0.6445	79.4600	4441.	0.6507
40	814040.0	810720.0	85.1675	2889.	0.6600	78.3563	4441.	0.6644
41	814080.0	810720.0	118.8716	3834.	0.9740	109.4354	2554.	0.9159
42	814120.0	810720.0	131.4954	4460.	1.1795	123.3286	1176.	1.0310
43	814160.0	810720.0	138.1376	4418.	1.2409	128.1815	1171.	1.6554
44	814200.0	810720.0	130.6198	2532.	1.0563	119.7054	4993.	1.0375
45	813800.0	810760.0	42.4846	4229.	0.2709	42.3907	4617.	0.2762
46	813840.0	810760.0	48.0410	4229.	0.3172	47.9396	4617.	0.3231
47	813880.0	810760.0	45.7229	4229.	0.3142	45.6315	4617.	0.3197
48	813920.0	810760.0	65.4133	1826.	0.8453	64.6963	5072.	0.4971
49	813960.0	810760.0	75.1916	5072.	0.6049	74.1848	1826.	0.9609
50	814000.0	810760.0	130.0383	4124.	1.0327	119.7051	5977.	0.9706
51	814040.0	810760.0	150.4571	2889.	1.2345	138.5229	4441.	1.2378
52	814080.0	810760.0	162.7751	7648.	1.4996	160.4753	264.	2.0608
53	814120.0	810760.0	216.8425	3834.	1.9379	199.7035	2554.	1.8231
54	814160.0	810760.0	209.0507	4418.	2.0240	183.5069	1171.	2.3757
55	814200.0	810760.0	190.8146	2465.	1.7401	176.3342	3739.	1.6874
56	813800.0	810800.0	36.1190	4420.	0.2365	32.2919	7522.	0.4375
57	813840.0	810800.0	43.2232	4229.	0.2887	43.1334	4617.	0.2940
58	813880.0	810800.0	63.9316	4229.	0.4451	63.8061	4617.	0.4529
59	813920.0	810800.0	86.4266	4229.	0.6313	86.2682	4617.	0.6417
60	813960.0	810800.0	93.2467	4229.	0.7203	93.0897	4617.	0.7313
61	814000.0	810800.0	136.4139	5072.	1.1924	128.0163	1826.	1.6639
62	814040.0	810800.0	215.0359	4124.	1.8861	198.0297	5977.	1.7738
63	814080.0	810800.0	320.0262	2889.	2.9553	295.0895	4441.	2.9400
64	814120.0	810800.0	427.4734	3834.	4.2087	393.8462	2554.	3.9600

65	814160.0	810800.0	339.7800	4418.	3.5879	308.8615	2532.	3.0596
66	814200.0	810800.0	260.9209	2465.	2.5673	259.5691	3678.	2.6018
67	813800.0	810840.0	43.5555	4420.	0.2865	38.8709	7522.	0.5268
68	813840.0	810840.0	55.6020	4420.	0.3799	48.8295	7522.	0.6631
69	813880.0	810840.0	71.1360	4420.	0.5078	61.2292	7522.	0.8333
70	813920.0	810840.0	89.6605	4420.	0.6737	76.3983	3046.	0.5980
71	813960.0	810840.0	106.5587	4420.	0.8503	90.8289	3046.	0.7553
72	814000.0	810840.0	169.6759	4229.	1.4224	169.4261	4617.	1.4419
73	814040.0	810840.0	277.2640	4229.	2.5235	276.9149	4617.	2.5543
74	814080.0	810840.0	442.1516	5072.	4.6500	413.7371	8201.	4.1628
75	814120.0	810840.0	851.2384	2889.	9.0578	786.5292	4441.	8.9368
76	814160.0	810840.0	639.4352	2532.	7.0037	588.3094	4993.	6.7847
77	814200.0	810840.0	376.9056	4751.	4.2164	373.9685	3678.	4.0508
78	813800.0	810880.0	45.2207	5686.	0.2972	41.7040	7205.	0.2724
79	813840.0	810880.0	55.2165	5686.	0.3774	50.9230	7205.	0.3464
80	813880.0	810880.0	69.1442	5686.	0.4944	63.7686	7205.	0.4547
81	813920.0	810880.0	89.3904	5686.	0.6736	82.4417	7205.	0.6206
82	813960.0	810880.0	120.5489	5686.	0.9659	111.1799	7205.	0.8915
83	814000.0	810880.0	172.6753	5686.	1.4863	159.2696	7205.	1.3746
84	814040.0	810880.0	268.3019	5686.	2.5159	247.4964	7205.	2.3317
85	814080.0	810880.0	497.4565	4420.	5.0675	475.5665	5686.	4.9418
86	814120.0	810880.0	1149.6984	4420.	13.0063	1010.7650	5686.	11.4871
87	814160.0	810880.0	1204.8101	3834.	13.5560	1112.3207	2554.	12.7915
88	814200.0	810880.0	660.9919	8185.	7.0400	616.4057	587.	6.9460
89	813800.0	810920.0	34.6055	5686.	0.2269	33.0118	6334.	0.2129
90	813840.0	810920.0	43.9488	6334.	0.2948	40.2915	3457.	0.2859
91	813880.0	810920.0	60.2217	6334.	0.4227	55.2307	3457.	0.4093
92	813920.0	810920.0	84.9383	6334.	0.6279	77.9308	3457.	0.6072
93	813960.0	810920.0	122.2165	6334.	0.9591	112.1851	3457.	0.9258
94	814000.0	810920.0	174.5094	6334.	1.4649	160.2787	3457.	1.4114
95	814040.0	810920.0	227.7484	6334.	2.0609	217.9600	877.	1.9410
96	814080.0	810920.0	376.1900	877.	3.6439	376.0478	7364.	3.6589
97	814120.0	810920.0	547.6682	1661.	5.7939	546.7697	1476.	5.9173
98	814160.0	810920.0	963.6250	7507.	10.6319	961.9442	4145.	10.9127
99	814200.0	810920.0	1245.0305	927.	13.2876	1242.7936	6867.	13.6089
100	813800.0	810960.0	44.1942	6334.	0.2827	40.5003	3457.	0.2745
101	813840.0	810960.0	50.7391	6334.	0.3370	46.5130	3457.	0.3269
102	813880.0	810960.0	55.4822	6334.	0.3846	50.8789	3457.	0.3726
103	813920.0	810960.0	74.3560	877.	0.5216	74.3057	7364.	0.5249
104	813960.0	810960.0	110.4026	877.	0.8198	110.3337	7364.	0.8246
105	814000.0	810960.0	131.2156	877.	1.0372	131.1411	7364.	1.0428
106	814040.0	810960.0	206.7968	1661.	1.7513	206.1922	1476.	1.8019
107	814080.0	810960.0	281.5234	53.	2.5238	281.1318	864.	2.5607
108	814120.0	810960.0	374.7410	49.	3.6264	374.5390	8298.	3.6483
109	814160.0	810960.0	546.0005	926.	5.5187	545.7846	604.	5.5440
110	814200.0	810960.0	647.6376	409.	6.2988	646.7634	2956.	6.3952
111	813800.0	811000.0	38.2429	877.	0.2311	38.2115	7364.	0.2329
112	813840.0	811000.0	50.3662	877.	0.3159	50.3267	7364.	0.3182
113	813880.0	811000.0	60.2900	877.	0.3941	60.2452	7364.	0.3968
114	813920.0	811000.0	60.5336	877.	0.4146	60.4913	7364.	0.4173
115	813960.0	811000.0	96.6897	1661.	0.6940	96.3225	1476.	0.7188
116	814000.0	811000.0	103.3382	1661.	0.7836	102.9760	1476.	0.8098
117	814040.0	811000.0	154.0177	53.	1.2127	153.7463	864.	1.2337
118	814080.0	811000.0	188.8932	2958.	1.6233	188.6160	7224.	1.6468
119	814120.0	811000.0	262.2601	8295.	2.3244	261.6556	1235.	2.3791
120	814160.0	811000.0	321.9528	926.	2.9343	321.7868	604.	2.9499
121	814200.0	811000.0	329.8239	5592.	3.0807	304.6562	1041.	2.8135
122	811302.0	815447.7	0.6480	49.	0.0023	0.6461	8298.	0.0024
123	811235.0	815355.5	0.5749	49.	0.0021	0.5733	8298.	0.0021
124	810966.6	815400.7	0.4193	2958.	0.0016	0.4169	7224.	0.0017
125	811232.6	815274.7	0.5427	49.	0.0020	0.5411	8298.	0.0020
126	811073.5	815122.6	0.5274	2958.	0.0020	0.5244	7224.	0.0021
127	811244.1	814973.4	0.5066	2958.	0.0019	0.5037	7224.	0.0020
128	811001.3	814942.9	0.6865	2958.	0.0026	0.6826	7224.	0.0027

129	811047.6	814849.0	0.7205	2958.	0.0027	0.7164	7224.	0.0028
130	811056.8	814532.1	0.8276	2958.	0.0032	0.8229	7224.	0.0033
131	811478.1	813783.7	0.9225	2958.	0.0036	0.9175	7224.	0.0037
132	813166.1	810961.2	6.3887	5686.	0.0320	6.1717	875.	0.0790
133	813896.4	810819.1	57.3617	4229.	0.4094	57.2530	4617.	0.4163
134	813967.6	810811.9	120.5583	4229.	0.9470	120.3606	4617.	0.9612
135	814100.1	810855.7	769.7640	5072.	8.6130	719.9210	8201.	7.7469
136	814267.1	811195.2	56.3303	5592.	0.3811	52.0681	1041.	0.3420
137	814319.8	811053.9	84.4407	388.	0.5889	84.3089	408.	0.5977
138	814046.0	810708.0	90.9650	264.	1.1638	86.0174	7648.	0.7087
139	814093.0	810618.0	54.2284	7627.	0.6984	54.0464	132.	0.7192
140	814009.0	810584.0	35.8197	264.	0.4548	32.6943	3834.	0.2194
141	811509.5	813771.5	0.9550	2958.	0.0037	0.9498	7224.	0.0038
142	813435.5	810937.2	11.2990	5686.	0.0607	10.7926	875.	0.1399

DATE AT END OF RUN: 01/23/02 TIME AT END OF RUN: 14:23:35.06

ELAPSED TIME FOR THIS RUN: 0.12089E+03 SECONDS

OR 0 HOURS 2 MINUTES 0.89 SECONDS

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FDM - (DATED 93070)

IBM-PC VERSION (1.10)
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DATE AT START OF RUN: 01/23/02 TIME AT START OF RUN: 14:23:35.22

RUN TITLE:

Tung Chung Road near Cheung Sha (Site 6)

INPUT FILE NAME: FDM6.DAT
 OUTPUT FILE NAME: FDM6.LST

CONVERGENCE OPTION 1=OFF, 2=ON 1
 MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED 1
 PLOT FILE OUTPUT, 1=NO, 2=YES 1
 MET DATA PRINT SWITCH, 1=NO, 2=YES 1
 POST-PROCESSOR OUTPUT, 1=NO, 2=YES 1
 DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
 PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES 3
 PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES 1
 PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES 1
 BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES 2
 READ HOURLY EMISSION RATES, 1=NO, 2=YES 0
 NUMBER OF SOURCES PROCESSED 1
 NUMBER OF RECEPTORS PROCESSED 142
 NUMBER OF PARTICLE SIZE CLASSES 9
 NUMBER OF HOURS OF MET DATA PROCESSED 8354
 LENGTH IN MINUTES OF 1-HOUR OF MET DATA 60.
 ROUGHNESS LENGTH IN CM 100.00
 SCALING FACTOR FOR SOURCE AND RECEPTORS 1.0000
 PARTICLE DENSITY IN G/CM**3 1.60
 ANEMOMETER HEIGHT IN M 10.00

GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.5000000	**	**	0.0400
2	1.5000000	**	**	0.0700
3	2.2500000	**	**	0.0400
4	2.7500000	**	**	0.0300
5	3.5000000	**	**	0.0700
6	4.5000000	**	**	0.0500
7	5.5000000	**	**	0.0400
8	8.0000000	**	**	0.1700
9	20.0000000	**	**	0.4900

 ** COMPUTED BY FDM

RECEPTOR COORDINATES (X,Y,Z)

(814200., 810800., 2.) (814240., 810800., 2.) (814280., 810800., 2.)
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(814280., 811120., 2.) (814320., 811120., 2.) (814360., 811120., 2.)
(814400., 811120., 2.) (814440., 811120., 2.) (814480., 811120., 2.)
(814520., 811120., 2.) (814560., 811120., 2.) (814600., 811120., 2.)
(814200., 811160., 2.) (814240., 811160., 2.) (814280., 811160., 2.)
(814320., 811160., 2.) (814360., 811160., 2.) (814400., 811160., 2.)
(814440., 811160., 2.) (814480., 811160., 2.) (814520., 811160., 2.)
(814560., 811160., 2.) (814600., 811160., 2.) (814200., 811200., 2.)
(814240., 811200., 2.) (814280., 811200., 2.) (814320., 811200., 2.)
(814360., 811200., 2.) (814400., 811200., 2.) (814440., 811200., 2.)
(814480., 811200., 2.) (814520., 811200., 2.) (814560., 811200., 2.)
(814600., 811200., 2.) (811302., 815448., 2.) (811235., 815356., 2.)
(810967., 815401., 2.) (811233., 815275., 2.) (811074., 815123., 2.)
(811244., 814973., 2.) (811001., 814943., 2.) (811048., 814849., 2.)
(811057., 814532., 2.) (811478., 813784., 2.) (813166., 810961., 2.)
(813896., 810819., 2.) (813968., 810812., 2.) (814100., 810856., 2.)
(814267., 811195., 2.) (814320., 811054., 2.) (814046., 810708., 2.)
(814093., 810618., 2.) (814009., 810584., 2.) (811510., 813772., 2.)
(813436., 810937., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS.	TOTAL	WIND SPEED FAC.	X1 (M)	Y1 (M)	X2 (M)	Y2 (M)	HEIGHT (M)	WIDTH (M)
	RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	EMISSION RATE (G/SEC)							
3	0.000239000	0.12867	0.000	814243.	811016.	11.	51.	0.50	34.91
TOTAL EMISSIONS		0.12867E+00	GRAMS/SEC						

LONG DISTANCE (50,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	68	814240.0	811040.0	8309	1366.1410	14.9480
2	68	814240.0	811040.0	3352	1364.2784	15.2947
3	68	814240.0	811040.0	4075	1363.3346	15.4706
4	68	814240.0	811040.0	1365	1258.7627	14.3680
5	68	814240.0	811040.0	6427	1257.8269	14.5599
6	68	814240.0	811040.0	3165	1257.7577	14.5740
7	68	814240.0	811040.0	5194	1257.4600	14.6352
8	68	814240.0	811040.0	5570	1257.4373	14.6398
9	68	814240.0	811040.0	4191	1257.3918	14.6492
10	68	814240.0	811040.0	5750	1257.3237	14.6632
11	68	814240.0	811040.0	3303	1257.2784	14.6725
12	68	814240.0	811040.0	5808	1257.0303	14.7234
13	68	814240.0	811040.0	4414	1256.9407	14.7418
14	57	814240.0	811000.0	2533	1225.4335	13.7009
15	68	814240.0	811040.0	926	1182.7472	12.9609
16	68	814240.0	811040.0	604	1182.4907	13.0146
17	68	814240.0	811040.0	7463	1182.0999	13.0964
18	68	814240.0	811040.0	1388	1181.9835	13.1207
19	68	814240.0	811040.0	4124	1180.8101	13.3665
20	68	814240.0	811040.0	1413	1167.5901	13.6549
21	68	814240.0	811040.0	7572	1167.0078	13.7851
22	68	814240.0	811040.0	6448	1166.4143	13.9179
23	68	814240.0	811040.0	5571	1166.3273	13.9374
24	68	814240.0	811040.0	3485	1166.3055	13.9423
25	68	814240.0	811040.0	5283	1166.1759	13.9713
26	68	814240.0	811040.0	4372	1165.9396	14.0243
27	68	814240.0	811040.0	4439	1165.9180	14.0291
28	68	814240.0	811040.0	4415	1165.8541	14.0435
29	68	814240.0	811040.0	8296	1136.7451	12.3750
30	68	814240.0	811040.0	1235	1135.4447	12.5952
31	68	814240.0	811040.0	2838	1134.7000	12.7216
32	68	814240.0	811040.0	2554	1134.5220	12.7518
33	68	814240.0	811040.0	5276	1133.5641	12.9146
34	57	814240.0	811000.0	4994	1128.7710	13.2785
35	68	814240.0	811040.0	1371	1091.0078	12.3001
36	68	814240.0	811040.0	874	1090.6182	12.3898
37	68	814240.0	811040.0	7269	1090.1786	12.4911
38	68	814240.0	811040.0	5828	1089.2156	12.7133
39	68	814240.0	811040.0	4437	1089.1805	12.7213
40	68	814240.0	811040.0	5002	1089.1456	12.7294
41	68	814240.0	811040.0	4072	1089.0588	12.7494
42	68	814240.0	811040.0	1337	1088.2526	13.0838
43	68	814240.0	811040.0	5730	1087.1179	13.3589
44	68	814240.0	811040.0	5001	1086.7902	13.4384
45	68	814240.0	811040.0	929	1047.6686	11.7636
46	68	814240.0	811040.0	925	1047.3820	11.8170
47	68	814240.0	811040.0	7366	1047.1852	11.8537
48	68	814240.0	811040.0	1752	1045.7104	12.1290
49	68	814240.0	811040.0	3840	1045.6687	12.1368
50	68	814240.0	811040.0	4910	1045.4200	12.1833

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSTION
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1	814200.0	810800.0	96.4339	4461.	0.8020	94.0855	7628.	1.2163
2	814240.0	810800.0	103.3421	4419.	0.8640	100.4205	1171.	1.2932
3	814280.0	810800.0	122.9682	2533.	0.9287	112.6055	4994.	0.9155
4	814320.0	810800.0	106.9640	2466.	0.8310	98.7234	3740.	0.8099
5	814360.0	810800.0	92.6022	3679.	0.7129	84.5192	6947.	1.1608
6	814400.0	810800.0	62.6688	2463.	0.8588	62.5984	4752.	0.4862
7	814440.0	810800.0	60.8079	2463.	0.8321	59.8084	4752.	0.4503
8	814480.0	810800.0	55.3080	600.	0.3721	55.0774	4958.	0.3871
9	814520.0	810800.0	47.1001	600.	0.3066	46.8952	4958.	0.3194
10	814560.0	810800.0	31.3608	716.	0.2045	31.2615	3595.	0.4526
11	814600.0	810800.0	33.5694	3595.	0.4853	33.3079	716.	0.2108
12	814200.0	810840.0	117.4410	3835.	0.9750	115.6199	4461.	1.0186
13	814240.0	810840.0	145.2615	4419.	1.2935	135.5972	1171.	1.7506
14	814280.0	810840.0	172.0946	2533.	1.3926	157.7156	4994.	1.3678
15	814320.0	810840.0	129.5191	2466.	1.0703	119.5956	3740.	1.0410
16	814360.0	810840.0	107.5637	3679.	0.8714	95.4470	6947.	1.3137
17	814400.0	810840.0	91.3756	4752.	0.7385	89.5590	2463.	1.2295
18	814440.0	810840.0	80.8089	600.	0.5822	80.5014	4958.	0.6038
19	814480.0	810840.0	58.2477	600.	0.4028	58.0135	4958.	0.4185
20	814520.0	810840.0	48.4252	716.	0.3330	47.2696	3595.	0.6860
21	814560.0	810840.0	42.5515	716.	0.2822	42.1461	3595.	0.6107
22	814600.0	810840.0	30.1967	3595.	0.4368	30.1213	716.	0.1935
23	814200.0	810880.0	220.4517	3835.	1.9573	203.0221	2555.	1.8413
24	814240.0	810880.0	217.8307	4419.	2.0867	192.8174	1171.	2.4953
25	814280.0	810880.0	222.3781	2533.	1.9551	203.9958	4994.	1.9123
26	814320.0	810880.0	218.7961	3679.	1.9473	182.8396	6947.	2.5244
27	814360.0	810880.0	156.1590	4752.	1.3775	145.3029	5575.	1.3146
28	814400.0	810880.0	127.9821	600.	1.0028	127.5506	4958.	1.0363
29	814440.0	810880.0	72.6624	716.	0.5596	68.1466	600.	0.5069
30	814480.0	810880.0	71.0625	716.	0.5203	67.4674	3595.	0.9816
31	814520.0	810880.0	46.8577	716.	0.3283	45.3780	3595.	0.6591
32	814560.0	810880.0	45.2449	587.	0.2949	43.4574	556.	0.5775
33	814600.0	810880.0	42.1950	587.	0.2650	41.1051	556.	0.5451
34	814200.0	810920.0	288.4767	3835.	2.7457	265.7458	2555.	2.5834
35	814240.0	810920.0	349.9959	4419.	3.6456	298.4044	4461.	3.1828
36	814280.0	810920.0	453.8755	2466.	4.4937	419.7163	3740.	4.3469
37	814320.0	810920.0	312.8364	4752.	3.0801	291.2041	5575.	2.9386
38	814360.0	810920.0	224.7379	600.	1.9508	224.0965	4958.	2.0079
39	814400.0	810920.0	141.9016	716.	1.1917	125.1880	3595.	1.8301
40	814440.0	810920.0	84.1405	716.	0.6630	79.5961	587.	0.6122
41	814480.0	810920.0	82.6265	587.	0.5987	75.9961	3784.	0.6026
42	814520.0	810920.0	66.2326	587.	0.4561	62.1755	556.	0.8285
43	814560.0	810920.0	47.3611	587.	0.3121	45.2883	556.	0.6022
44	814600.0	810920.0	33.2679	8186.	0.1930	32.3181	587.	0.2050
45	814200.0	810960.0	399.0521	4125.	4.2017	396.9590	2890.	4.1273
46	814240.0	810960.0	645.4388	4461.	7.5531	603.7337	1176.	6.7690
47	814280.0	810960.0	909.0193	3679.	9.9642	733.4863	5565.	8.7509
48	814320.0	810960.0	397.8160	600.	3.8986	396.9320	4958.	3.9957
49	814360.0	810960.0	230.6356	587.	2.1071	212.7088	3784.	2.0895
50	814400.0	810960.0	174.9840	587.	1.4632	161.2097	3784.	1.4588
51	814440.0	810960.0	99.6450	587.	0.7755	91.7240	8186.	0.6720
52	814480.0	810960.0	83.5690	8186.	0.5705	75.1090	5614.	1.0481
53	814520.0	810960.0	70.0231	8186.	0.4500	64.5363	5614.	0.8986
54	814560.0	810960.0	56.7973	8186.	0.3465	53.3827	5614.	0.7417
55	814600.0	810960.0	45.6778	8186.	0.2663	43.6066	5614.	0.6047
56	814200.0	811000.0	595.1867	4230.	6.5874	594.7707	4618.	6.6479
57	814240.0	811000.0	1225.4335	2533.	13.7009	1128.7710	4994.	13.2785
58	814280.0	811000.0	935.8002	587.	10.5381	868.9711	8186.	9.4658
59	814320.0	811000.0	479.4133	8186.	4.6644	411.1435	7077.	4.5398
60	814360.0	811000.0	262.9631	8186.	2.2848	235.6751	427.	2.1153
61	814400.0	811000.0	159.9870	427.	1.3070	150.8251	8186.	1.1941
62	814440.0	811000.0	116.5187	427.	0.8795	106.4184	4440.	0.8904
63	814480.0	811000.0	89.1113	427.	0.6285	81.3038	4440.	0.6401
64	814520.0	811000.0	70.4910	427.	0.4691	64.2579	4440.	0.4803

65	814560.0	811000.0	57.2247	427.	0.3622	52.1237	4440.	0.3725
66	814600.0	811000.0	47.4455	427.	0.2874	43.1860	4440.	0.2969
67	814200.0	811040.0	1013.4509	877.	11.0508	1013.2059	7365.	11.0894
68	814240.0	811040.0	1366.1410	8309.	14.9480	1364.2784	3352.	15.2947
69	814280.0	811040.0	566.5019	388.	5.9745	566.1393	408.	6.0268
70	814320.0	811040.0	352.8976	1222.	3.5187	352.2989	7276.	3.5901
71	814360.0	811040.0	251.1275	1280.	2.2420	213.2396	3836.	2.0972
72	814400.0	811040.0	178.6338	1280.	1.4714	151.4742	3836.	1.3834
73	814440.0	811040.0	121.9498	1280.	0.9354	103.2826	3836.	0.8834
74	814480.0	811040.0	83.9786	1280.	0.6048	71.0547	3836.	0.5737
75	814520.0	811040.0	59.3886	1280.	0.4049	57.8678	427.	0.3830
76	814560.0	811040.0	48.9799	427.	0.3088	44.6111	4440.	0.3178
77	814600.0	811040.0	41.8479	427.	0.2528	38.0893	4440.	0.2613
78	814200.0	811080.0	768.6860	49.	7.6014	768.2963	8299.	7.6460
79	814240.0	811080.0	743.1102	926.	7.6826	742.8378	604.	7.7168
80	814280.0	811080.0	420.5257	409.	4.1240	419.9709	2957.	4.1864
81	814320.0	811080.0	284.7542	927.	2.6393	283.9554	6868.	2.7169
82	814360.0	811080.0	192.9352	8329.	1.7131	178.7282	426.	1.6156
83	814400.0	811080.0	141.4059	1222.	1.1455	141.0421	7276.	1.1759
84	814440.0	811080.0	107.2788	1222.	0.8142	106.9744	7276.	0.8376
85	814480.0	811080.0	70.1206	1280.	0.4968	68.6515	1222.	0.4913
86	814520.0	811080.0	65.3742	1280.	0.4400	55.8596	4434.	0.7836
87	814560.0	811080.0	57.2842	1280.	0.3685	49.8711	4434.	0.6982
88	814600.0	811080.0	48.6137	1280.	0.3005	42.9714	4434.	0.6004
89	814200.0	811120.0	414.7610	8296.	3.7515	413.8443	1235.	3.8375
90	814240.0	811120.0	408.5138	926.	3.7949	408.3119	604.	3.8144
91	814280.0	811120.0	312.0714	5593.	2.9461	288.2526	1041.	2.6918
92	814320.0	811120.0	225.3721	388.	1.9076	225.1117	408.	1.9300
93	814360.0	811120.0	170.7259	927.	1.3930	170.1122	6868.	1.4416
94	814400.0	811120.0	112.3141	8329.	0.8951	104.0053	426.	0.8437
95	814440.0	811120.0	92.4074	8329.	0.6959	85.5579	426.	0.6557
96	814480.0	811120.0	67.1648	1222.	0.4697	66.9514	7276.	0.4846
97	814520.0	811120.0	62.1517	1222.	0.4141	61.9415	7276.	0.4281
98	814560.0	811120.0	49.6386	1222.	0.3169	49.4615	7276.	0.3281
99	814600.0	811120.0	36.6129	1222.	0.2250	36.4761	7276.	0.2333
100	814200.0	811160.0	212.9760	8296.	1.7512	212.4113	1235.	1.7967
101	814240.0	811160.0	246.3922	926.	2.0824	246.2448	604.	2.0946
102	814280.0	811160.0	180.7616	5593.	1.5865	176.1661	7508.	1.4686
103	814320.0	811160.0	171.0409	409.	1.3572	170.6902	2957.	1.3844
104	814360.0	811160.0	141.0788	388.	1.0581	140.8801	408.	1.0726
105	814400.0	811160.0	106.5442	927.	0.7841	106.0945	6868.	0.8154
106	814440.0	811160.0	79.3417	927.	0.5559	78.9827	6868.	0.5795
107	814480.0	811160.0	67.0342	8329.	0.4670	62.3948	8348.	0.8289
108	814520.0	811160.0	52.8180	8329.	0.3530	50.0524	8348.	0.6636
109	814560.0	811160.0	37.9103	1222.	0.2381	37.7724	7276.	0.2467
110	814600.0	811160.0	38.4765	1222.	0.2331	38.3303	7276.	0.2419
111	814200.0	811200.0	149.8603	8309.	1.1558	149.2785	3352.	1.1987
112	814240.0	811200.0	163.4074	926.	1.2743	163.2955	604.	1.2825
113	814280.0	811200.0	146.7688	7508.	1.1411	146.1054	4146.	1.1899
114	814320.0	811200.0	120.6489	5593.	0.9563	111.4723	1041.	0.8665
115	814360.0	811200.0	103.7954	409.	0.7419	103.5466	2957.	0.7589
116	814400.0	811200.0	93.7805	388.	0.6380	93.6292	408.	0.6478
117	814440.0	811200.0	71.3983	927.	0.4829	71.0594	6868.	0.5043
118	814480.0	811200.0	62.2817	927.	0.4048	61.9703	6868.	0.4236
119	814520.0	811200.0	44.1750	8329.	0.2886	42.2480	8348.	0.5595
120	814560.0	811200.0	43.3373	8329.	0.2735	42.0031	8348.	0.5552
121	814600.0	811200.0	34.1615	8329.	0.2090	33.4835	8348.	0.4418
122	811302.0	815447.7	0.6025	49.	0.0022	0.6008	8299.	0.0022
123	811235.0	815355.5	0.4942	49.	0.0018	0.4927	8299.	0.0018
124	810966.6	815400.7	0.6039	2959.	0.0023	0.6004	7225.	0.0024
125	811232.6	815274.7	0.4983	2959.	0.0019	0.4954	7225.	0.0020
126	811073.5	815122.6	0.7259	2959.	0.0028	0.7217	7225.	0.0029
127	811244.1	814973.4	0.7299	2959.	0.0028	0.7257	7225.	0.0029
128	811001.3	814942.9	0.8342	2959.	0.0032	0.8294	7225.	0.0033

129	811047.6	814849.0	0.8611	2959.	0.0033	0.8562	7225.	0.0034
130	811056.8	814532.1	0.8356	2959.	0.0032	0.8309	7225.	0.0033
131	811478.1	813783.7	0.7289	2959.	0.0028	0.7266	53.	0.0026
132	813166.1	810961.2	6.9988	5687.	0.0345	6.7674	875.	0.0862
133	813896.4	810819.1	37.0394	1826.	0.4752	35.1110	7136.	0.4811
134	813967.6	810811.9	45.8756	4125.	0.3071	42.2060	5978.	0.2882
135	814100.1	810855.7	100.5959	2890.	0.7691	92.5359	4442.	0.7751
136	814267.1	811195.2	158.8081	7508.	1.2564	158.1098	4146.	1.3090
137	814319.8	811053.9	304.2852	1222.	2.9739	303.7415	7276.	3.0359
138	814046.0	810708.0	37.6387	264.	0.4772	34.2157	7837.	0.4703
139	814093.0	810618.0	37.2008	3835.	0.2316	34.2143	2555.	0.2172
140	814009.0	810584.0	25.0539	264.	0.3157	22.7868	7837.	0.3116
141	811509.5	813771.5	0.7675	2959.	0.0030	0.7634	7225.	0.0031
142	813435.5	810937.2	9.4146	4421.	0.0495	9.0081	7523.	0.1197

DATE AT END OF RUN: 01/23/02 TIME AT END OF RUN: 14:25:01.73

ELAPSED TIME FOR THIS RUN: 0.86510E+02 SECONDS

OR 0 HOURS 1 MINUTES 26.51 SECONDS

FDM - (DATED 93070)

IBM-PC VERSION (1.10)
(C) COPYRIGHT 1991-1995, TRINITY CONSULTANTS, INC.

DATE AT START OF RUN: 11/27/01 TIME AT START OF RUN: 11:25:33.09

RUN TITLE:

Tung Chung Road near Cheung Sha (Site 7)

INPUT FILE NAME: FDM7.DAT
OUTPUT FILE NAME: FDM7.LST

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CONVERGENCE OPTION 1=OFF, 2=ON                1
MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED    1
PLOT FILE OUTPUT, 1=NO, 2=YES                 1
MET DATA PRINT SWITCH, 1=NO, 2=YES           1
POST-PROCESSOR OUTPUT, 1=NO, 2=YES           1
DEP. VEL./GRAV. SETL. VEL., 1=DEFAULT, 2=USER 1
PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES     3
PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES     1
PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES     1
PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES    1
PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES  1
BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES  2
READ HOURLY EMISSION RATES, 1=NO, 2=YES      0
NUMBER OF SOURCES PROCESSED                   1
NUMBER OF RECEPTORS PROCESSED               122
NUMBER OF PARTICLE SIZE CLASSES               9
NUMBER OF HOURS OF MET DATA PROCESSED        8354
LENGTH IN MINUTES OF 1-HOUR OF MET DATA      60.
ROUGHNESS LENGTH IN CM                       100.00
SCALING FACTOR FOR SOURCE AND RECEPTORS     1.0000
PARTICLE DENSITY IN G/CM**3                  1.60
ANEMOMETER HEIGHT IN M                      10.00

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GENERAL PARTICLE SIZE CLASS INFORMATION

PARTICLE SIZE CLASS	CHAR. DIA. (UM)	GRAV. SETTLING VELOCITY (M/SEC)	DEPOSITION VELOCITY (M/SEC)	FRACTION IN EACH SIZE CLASS
1	0.5000000	**	**	0.0400
2	1.5000000	**	**	0.0700
3	2.2500000	**	**	0.0400
4	2.7500000	**	**	0.0300
5	3.5000000	**	**	0.0700
6	4.5000000	**	**	0.0500
7	5.5000000	**	**	0.0400
8	8.0000000	**	**	0.1700
9	20.0000000	**	**	0.4900

** COMPUTED BY FDM

RECEPTOR COORDINATES (X,Y,Z)

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(812400., 810600., 2.) (812440., 810600., 2.) (812480., 810600., 2.)
(812520., 810600., 2.) (812560., 810600., 2.) (812600., 810600., 2.)
(812640., 810600., 2.) (812680., 810600., 2.) (812720., 810600., 2.)

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(812760., 810600., 2.) (812800., 810600., 2.) (812400., 810640., 2.)
(812440., 810640., 2.) (812480., 810640., 2.) (812520., 810640., 2.)
(812560., 810640., 2.) (812600., 810640., 2.) (812640., 810640., 2.)
(812680., 810640., 2.) (812720., 810640., 2.) (812760., 810640., 2.)
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(812600., 810680., 2.) (812640., 810680., 2.) (812680., 810680., 2.)
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(812600., 810800., 2.) (812640., 810800., 2.) (812680., 810800., 2.)
(812720., 810800., 2.) (812760., 810800., 2.) (812800., 810800., 2.)
(812400., 810840., 2.) (812440., 810840., 2.) (812480., 810840., 2.)
(812520., 810840., 2.) (812560., 810840., 2.) (812600., 810840., 2.)
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(812800., 810880., 2.) (812400., 810920., 2.) (812440., 810920., 2.)
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(812560., 811000., 2.) (812600., 811000., 2.) (812640., 811000., 2.)
(812680., 811000., 2.) (812720., 811000., 2.) (812760., 811000., 2.)
(812800., 811000., 2.) (812576., 810820., 2.) (

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SOURCE INFORMATION

TYPE	ENTERED EMIS.	TOTAL	WIND	X1	Y1	X2	Y2	HEIGHT	WIDTH
	RATE (G/SEC, G/SEC/M OR G/SEC/M**2)	EMISSION RATE (G/SEC)							
2	0.002390000	0.04780	0.000	812474.	810794.	812486.	810778.	0.50	10.00
TOTAL EMISSIONS		0.47800E-01	GRAMS/SEC						

SHORT DISTANCE (5,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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TOP 50 TABLE FOR 1 HOUR AVERAGES

RANK	RECEPTOR	X-COORDINATE	Y-COORDINATE	ENDING HOUR	CONCENTRATION	DEPOSITION
1	58	812480.0	810800.0	926	886.4108	9.6154
2	58	812480.0	810800.0	604	886.2427	9.6560

3	58	812480.0	810800.0	7463	885.9866	9.7179
4	58	812480.0	810800.0	1388	885.9103	9.7363
5	58	812480.0	810800.0	4124	885.1408	9.9225
6	58	812480.0	810800.0	8309	872.2690	9.4590
7	58	812480.0	810800.0	3352	871.3124	9.6831
8	58	812480.0	810800.0	4075	870.8275	9.7969
9	58	812480.0	810800.0	1371	818.3165	9.1408
10	58	812480.0	810800.0	874	818.0612	9.2087
11	58	812480.0	810800.0	7269	817.7734	9.2854
12	58	812480.0	810800.0	5828	817.1422	9.4536
13	58	812480.0	810800.0	4437	817.1193	9.4597
14	58	812480.0	810800.0	5002	817.0965	9.4658
15	58	812480.0	810800.0	4072	817.0395	9.4810
16	58	812480.0	810800.0	5264	811.3943	11.7179
17	58	812480.0	810800.0	1365	804.5695	9.1117
18	58	812480.0	810800.0	6427	804.0889	9.2358
19	58	812480.0	810800.0	3165	804.0533	9.2449
20	58	812480.0	810800.0	5194	803.9005	9.2845
21	58	812480.0	810800.0	5570	803.8887	9.2875
22	58	812480.0	810800.0	4191	803.8654	9.2935
23	58	812480.0	810800.0	5750	803.8304	9.3026
24	58	812480.0	810800.0	3303	803.8070	9.3086
25	58	812480.0	810800.0	5808	803.6795	9.3416
26	58	812480.0	810800.0	4414	803.6334	9.3535
27	47	812480.0	810760.0	4419	778.1282	9.3888
28	58	812480.0	810800.0	7511	759.5351	8.7911
29	58	812480.0	810800.0	7464	759.4779	8.8077
30	58	812480.0	810800.0	3737	758.6321	9.0539
31	58	812480.0	810800.0	7705	748.4838	10.6600
32	58	812480.0	810800.0	5688	747.1747	11.2713
33	58	812480.0	810800.0	1413	746.9183	8.6739
34	58	812480.0	810800.0	7572	746.6198	8.7581
35	58	812480.0	810800.0	6448	746.3151	8.8440
36	58	812480.0	810800.0	5571	746.2704	8.8566
37	58	812480.0	810800.0	3485	746.2592	8.8598
38	58	812480.0	810800.0	5283	746.1926	8.8786
39	58	812480.0	810800.0	4372	746.0712	8.9129
40	58	812480.0	810800.0	4439	746.0602	8.9160
41	58	812480.0	810800.0	4415	746.0272	8.9253
42	58	812480.0	810800.0	7508	733.0875	7.9497
43	58	812480.0	810800.0	4146	732.2284	8.1686
44	58	812480.0	810800.0	2979	708.6841	8.4295
45	58	812480.0	810800.0	6310	708.3718	8.5280
46	58	812480.0	810800.0	3486	708.1284	8.6048
47	58	812480.0	810800.0	5543	707.9614	8.6575
48	58	812480.0	810800.0	5820	707.5124	8.7993
49	58	812480.0	810800.0	1337	696.7360	8.3243
50	58	812480.0	810800.0	5730	696.1539	8.5022

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HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

RECEPTOR	X-COORDINATE	Y-COORDINATE	HIGHEST VALUE	ENDING HOUR	DEPOSITION	SECOND HIGH	ENDING HOUR	DEPOSTION
1	812400.0	810600.0	46.7612	3835.	0.3707	43.0439	2555.	0.3485
2	812440.0	810600.0	47.9573	4461.	0.4165	44.9917	1176.	0.3628
3	812480.0	810600.0	52.9038	4419.	0.4618	47.0830	1171.	0.5740
4	812520.0	810600.0	56.9589	2533.	0.4490	52.1849	4994.	0.4416
5	812560.0	810600.0	43.5369	2466.	0.3509	40.1942	3740.	0.3415
6	812600.0	810600.0	38.1548	3679.	0.3027	31.8893	6947.	0.4100
7	812640.0	810600.0	31.9553	4752.	0.2536	29.7254	5575.	0.2421

8	812680.0	810600.0	25.6823	600.	0.1817	25.5830	4958.	0.1885
9	812720.0	810600.0	22.0807	600.	0.1503	21.9910	4958.	0.1562
10	812760.0	810600.0	15.2697	716.	0.1032	13.5991	3595.	0.1781
11	812800.0	810600.0	15.1105	716.	0.0986	13.5635	3595.	0.1756
12	812400.0	810640.0	55.0666	7649.	0.4903	52.6147	264.	0.6434
13	812440.0	810640.0	71.0674	3835.	0.6166	65.4413	2555.	0.5800
14	812480.0	810640.0	82.1528	4419.	0.7698	70.7878	1171.	0.8829
15	812520.0	810640.0	67.1344	2533.	0.5696	66.0797	2466.	0.5832
16	812560.0	810640.0	69.9967	3679.	0.6074	56.3690	6947.	0.7446
17	812600.0	810640.0	51.9453	4752.	0.4485	48.3307	5575.	0.4281
18	812640.0	810640.0	41.0325	600.	0.3152	40.8907	4958.	0.3260
19	812680.0	810640.0	28.4752	600.	0.2087	28.3701	4958.	0.2163
20	812720.0	810640.0	24.5002	716.	0.1766	21.4667	3595.	0.2867
21	812760.0	810640.0	18.6943	716.	0.1292	16.5614	3595.	0.2184
22	812800.0	810640.0	13.7354	587.	0.0881	12.6173	3784.	0.0894
23	812400.0	810680.0	94.3222	2890.	0.8402	86.9320	4442.	0.8378
24	812440.0	810680.0	146.9635	3835.	1.3809	135.3762	2555.	1.2993
25	812480.0	810680.0	144.0275	4419.	1.4682	119.0595	1171.	1.5229
26	812520.0	810680.0	141.8735	2466.	1.3575	131.1584	3740.	1.3144
27	812560.0	810680.0	90.7908	4752.	0.8694	84.5038	5575.	0.8295
28	812600.0	810680.0	75.1202	600.	0.6372	74.8975	4958.	0.6564
29	812640.0	810680.0	43.6727	716.	0.3594	37.9206	715.	0.3332
30	812680.0	810680.0	35.3662	716.	0.2752	30.6963	715.	0.2554
31	812720.0	810680.0	25.5882	587.	0.1826	23.5329	3784.	0.1839
32	812760.0	810680.0	23.9003	587.	0.1624	21.9689	3784.	0.1642
33	812800.0	810680.0	18.6773	587.	0.1216	17.1597	3784.	0.1232
34	812400.0	810720.0	167.0499	4125.	1.6080	153.8982	5978.	1.5127
35	812440.0	810720.0	196.5110	7649.	2.1390	174.4391	8184.	1.8864
36	812480.0	810720.0	304.9839	4419.	3.4219	250.8228	1154.	2.7864
37	812520.0	810720.0	274.7353	3679.	2.8992	221.5076	5565.	2.5479
38	812560.0	810720.0	166.5261	600.	1.5982	166.1373	4958.	1.6392
39	812600.0	810720.0	92.1173	716.	0.8414	80.0558	715.	0.7782
40	812640.0	810720.0	61.5168	587.	0.5063	56.6642	3784.	0.5053
41	812680.0	810720.0	44.1959	587.	0.3407	40.6797	3784.	0.3414
42	812720.0	810720.0	26.0191	587.	0.1893	23.9342	3784.	0.1904
43	812760.0	810720.0	22.7971	8186.	0.1447	19.3801	7077.	0.1478
44	812800.0	810720.0	19.9302	8186.	0.1201	17.0980	5614.	0.2143
45	812400.0	810760.0	226.8428	4230.	2.2733	226.6158	4618.	2.2975
46	812440.0	810760.0	390.7819	4125.	4.3348	386.4024	5073.	4.5103
47	812480.0	810760.0	778.1282	4419.	9.3888	656.8713	2533.	7.3671
48	812520.0	810760.0	489.9297	716.	5.5843	426.8796	715.	5.1443
49	812560.0	810760.0	221.2061	587.	2.2200	204.2569	3784.	2.1897
50	812600.0	810760.0	115.0063	8186.	0.9904	98.3543	7077.	0.9760
51	812640.0	810760.0	73.6144	8186.	0.5792	62.8357	7077.	0.5765
52	812680.0	810760.0	45.9653	8186.	0.3349	39.1750	7077.	0.3363
53	812720.0	810760.0	30.0896	8186.	0.2048	25.6126	7077.	0.2073
54	812760.0	810760.0	20.7024	427.	0.1363	20.6430	8186.	0.1323
55	812800.0	810760.0	17.5136	427.	0.1096	15.9526	4440.	0.1128
56	812400.0	810800.0	258.2719	6335.	2.5924	237.5818	3458.	2.4858
57	812440.0	810800.0	636.1806	877.	6.9120	636.0192	7365.	6.9363
58	812480.0	810800.0	886.4108	926.	9.6154	886.2427	604.	9.6560
59	812520.0	810800.0	488.4538	1222.	5.3942	487.8745	7276.	5.4898
60	812560.0	810800.0	249.1651	1280.	2.4513	211.9424	3836.	2.2798
61	812600.0	810800.0	118.8804	1280.	1.0601	100.9426	3836.	0.9917
62	812640.0	810800.0	62.0345	427.	0.4984	61.7854	1280.	0.5059
63	812680.0	810800.0	45.1375	427.	0.3364	41.2182	4440.	0.3409
64	812720.0	810800.0	34.1422	427.	0.2382	31.1484	4440.	0.2427
65	812760.0	810800.0	26.6136	427.	0.1752	24.2596	4440.	0.1795
66	812800.0	810800.0	21.3590	427.	0.1337	19.4553	4440.	0.1376
67	812400.0	810840.0	172.7092	1661.	1.6146	172.2966	1476.	1.6555
68	812440.0	810840.0	340.0529	2959.	3.4646	339.7200	7225.	3.5042
69	812480.0	810840.0	479.0353	926.	5.0497	478.8712	604.	5.0716
70	812520.0	810840.0	298.7037	388.	2.9673	298.4651	408.	2.9954
71	812560.0	810840.0	151.1952	8329.	1.4635	140.1043	426.	1.3805

72	812600.0	810840.0	87.8640	1222.	0.7713	87.6669	7276.	0.7897
73	812640.0	810840.0	66.4341	1222.	0.5388	66.2639	7276.	0.5531
74	812680.0	810840.0	37.5937	1280.	0.2829	35.5863	1222.	0.2696
75	812720.0	810840.0	34.1721	1280.	0.2418	28.9085	3836.	0.2295
76	812760.0	810840.0	28.1770	1280.	0.1888	23.8178	3836.	0.1799
77	812800.0	810840.0	22.4625	1280.	0.1435	18.9737	3836.	0.1372
78	812400.0	810880.0	133.6586	2959.	1.1776	133.4717	7225.	1.1941
79	812440.0	810880.0	170.6388	8296.	1.5673	170.2741	1235.	1.6025
80	812480.0	810880.0	207.8723	926.	1.9653	207.7737	604.	1.9752
81	812520.0	810880.0	161.2254	5593.	1.5495	148.9158	1041.	1.4168
82	812560.0	810880.0	126.6039	388.	1.0825	126.4604	408.	1.0950
83	812600.0	810880.0	84.5743	927.	0.6946	84.2741	6868.	0.7187
84	812640.0	810880.0	56.7506	8329.	0.4538	52.5530	426.	0.4278
85	812680.0	810880.0	31.7096	8329.	0.2392	30.4275	1222.	0.2252
86	812720.0	810880.0	30.7528	1222.	0.2149	30.6558	7276.	0.2217
87	812760.0	810880.0	23.9516	1222.	0.1590	23.8711	7276.	0.1643
88	812800.0	810880.0	16.6622	1222.	0.1057	16.6032	7276.	0.1094
89	812400.0	810920.0	87.2704	49.	0.7017	87.2016	8299.	0.7072
90	812440.0	810920.0	93.8486	8296.	0.7869	93.6086	1235.	0.8069
91	812480.0	810920.0	112.8204	926.	0.9677	112.7548	604.	0.9733
92	812520.0	810920.0	91.5169	5593.	0.8089	84.5406	1041.	0.7370
93	812560.0	810920.0	84.3004	409.	0.6759	84.1307	2957.	0.6893
94	812600.0	810920.0	63.3197	388.	0.4791	63.2320	408.	0.4856
95	812640.0	810920.0	50.0280	927.	0.3699	49.8191	6868.	0.3845
96	812680.0	810920.0	29.8667	8329.	0.2184	27.6516	426.	0.2057
97	812720.0	810920.0	27.6969	8329.	0.1928	25.6399	426.	0.1816
98	812760.0	810920.0	17.5199	8329.	0.1168	16.2170	426.	0.1099
99	812800.0	810920.0	16.6801	1222.	0.1042	16.6199	7276.	0.1080
100	812400.0	810960.0	46.5497	8296.	0.3525	46.4094	1235.	0.3627
101	812440.0	810960.0	61.3555	8309.	0.4781	61.1217	3352.	0.4955
102	812480.0	810960.0	70.7097	926.	0.5586	70.6624	604.	0.5621
103	812520.0	810960.0	60.8827	7508.	0.4807	60.6147	4146.	0.5008
104	812560.0	810960.0	45.6856	5593.	0.3672	42.8555	409.	0.3212
105	812600.0	810960.0	38.4245	409.	0.2778	38.3343	2957.	0.2841
106	812640.0	810960.0	37.0314	388.	0.2536	36.9725	408.	0.2575
107	812680.0	810960.0	32.0681	927.	0.2173	31.9174	6868.	0.2269
108	812720.0	810960.0	21.6133	927.	0.1406	21.5063	6868.	0.1471
109	812760.0	810960.0	19.2085	8329.	0.1251	17.7791	426.	0.1177
110	812800.0	810960.0	16.2976	8329.	0.1023	15.0835	426.	0.0962
111	812400.0	811000.0	43.2046	8296.	0.3066	43.0619	1235.	0.3162
112	812440.0	811000.0	46.8499	8309.	0.3406	46.6523	3352.	0.3542
113	812480.0	811000.0	48.3756	926.	0.3560	48.3396	604.	0.3585
114	812520.0	811000.0	46.5130	7508.	0.3430	46.2864	4146.	0.3587
115	812560.0	811000.0	42.3509	5593.	0.3208	39.1347	1041.	0.2900
116	812600.0	811000.0	37.2877	409.	0.2549	37.1934	2957.	0.2610
117	812640.0	811000.0	28.3485	388.	0.1853	28.3007	408.	0.1883
118	812680.0	811000.0	24.1968	388.	0.1526	24.1542	408.	0.1551
119	812720.0	811000.0	22.0442	927.	0.1390	21.9308	6868.	0.1456
120	812760.0	811000.0	17.7465	927.	0.1081	17.6515	6868.	0.1135
121	812800.0	811000.0	12.5752	8329.	0.0774	11.6378	426.	0.0728
122	812576.0	810820.0	160.0241	1222.	1.5072	159.7122	7276.	1.5402

DATE AT END OF RUN: 11/27/01 TIME AT END OF RUN: 11:26:45.76
 ELAPSED TIME FOR THIS RUN: 0.72670E+02 SECONDS
 OR 0 HOURS 1 MINUTES 12.67 SECONDS