

'Pier J South, Truck PM10, I-710'		60.	108.	2.00	2.00	34	1.0	0
1	1	81	12	31	81			
53101	81	91919	81					
0	0	'U'						
'R1'	388185.0	740900.00	1.5					
'R2'	388202.0	740731.00	1.5					
'R3'	388203.0	740515.00	1.5					
'R4'	388206.0	740320.00	1.5					
'R5'	388187.0	740093.00	1.5					
'R6'	388149.0	739909.00	1.5					
'R7'	388122.0	739682.00	1.5					
'R8'	388053.0	739590.00	1.5					
'R9'	388534.0	739686.00	1.5					
'R10'	388534.0	739848.00	1.5					
'R11'	388534.0	740075.00	1.5					
'R12'	388534.0	740324.00	1.5					
'R13'	388534.0	740519.00	1.5					
'R14'	388534.0	740736.00	1.5					
'R15'	388534.0	740914.00	1.5					
'R16'	388530.0	739590.00	1.5					
'R17'	388520.0	739400.00	1.5					
'R18'	388510.0	739200.00	1.5					
'R19'	388500.0	739000.00	1.5					
'R20'	388490.0	738753.00	1.5					
'R21'	388480.0	738500.00	1.5					
'R22'	388470.0	738200.00	1.5					
'R23'	388470.0	737800.00	1.5					
'R24'	388470.0	737600.00	1.5					
'R25'	388466.0	736711.00	1.5					
'R26'	388465.0	736808.00	1.5					
'R27'	388466.0	736808.00	1.5					
'R28'	388466.0	736904.00	1.5					
'R29'	388466.0	736904.00	1.5					
'R30'	388471.0	737389.00	1.5					
'R31'	388471.0	737389.00	1.5					
'R32'	388472.0	737486.00	1.5					
'R33'	388472.0	737486.00	1.5					
'R34'	388524.0	736629.00	1.5					
1	'P'							
1	1	1	1	1	1	1		
' 75-Acre Alt. Residential' 4								
1	1							
'A'	'AG'	388181.	739598.	388272.	740174.	2.5	28.00	
2	1							
'B'	'AG'	388272.	740174.	388273.	740628.	2.5	28.00	
3	1							
'C'	'AG'	388273.	740628.	388252.	741083.	2.5	28.00	
4	1							
'D'	'AG'	388186.	738673.	388181.	739598.	2.5	28.00	
24	0.0							
1	230.	0.190						
2	230.	0.190						
3	230.	0.190						
4	284.	0.190						

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

'Pier J South, Truck PM10, I-710'	60.	108.	2.00	2.00	4	1.0	0
1	1	81	12	31	81		
53101	81	91919	81				
0	0	'U'					
'I1'	388125.0	739400.00	1.5				
'I2'	388125.0	739200.00	1.5				
'I3'	388125.0	739000.00	1.5				
'I4'	388093.0	738753.00	1.5				
1	'P'						
1	1	1	1	1	1	1	
' 75-Acre Alt. Industrial ' 4							
1	1						
'A'	'AG'	388181.	739598.	388272.	740174.	2.5	28.00
2	1						
'B'	'AG'	388272.	740174.	388273.	740628.	2.5	28.00
3	1						
'C'	'AG'	388273.	740628.	388252.	741083.	2.5	28.00
4	1						
'D'	'AG'	388186.	738673.	388181.	739598.	2.5	28.00
24	0.0						
1	230.	0.190					
2	230.	0.190					
3	230.	0.190					
4	284.	0.190					

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

'Pier J South, Truck PM10, I-710' 60. 108. 2.00 2.00 34 1.0 0
 1 1 81 12 31 81
 53101 81 91919 81
 0 0 'U'

'R1' 388185.0 740900.00 1.5
 'R2' 388202.0 740731.00 1.5
 'R3' 388203.0 740515.00 1.5
 'R4' 388206.0 740320.00 1.5
 'R5' 388187.0 740093.00 1.5
 'R6' 388149.0 739909.00 1.5
 'R7' 388122.0 739682.00 1.5
 'R8' 388053.0 739590.00 1.5
 'R9' 388534.0 739686.00 1.5
 'R10' 388534.0 739848.00 1.5
 'R11' 388534.0 740075.00 1.5
 'R12' 388534.0 740324.00 1.5
 'R13' 388534.0 740519.00 1.5
 'R14' 388534.0 740736.00 1.5
 'R15' 388534.0 740914.00 1.5
 'R16' 388530.0 739590.00 1.5
 'R17' 388520.0 739400.00 1.5
 'R18' 388510.0 739200.00 1.5
 'R19' 388500.0 739000.00 1.5
 'R20' 388490.0 738753.00 1.5
 'R21' 388480.0 738500.00 1.5
 'R22' 388470.0 738200.00 1.5
 'R23' 388470.0 737800.00 1.5
 'R24' 388470.0 737600.00 1.5
 'R25' 388466.0 736711.00 1.5
 'R26' 388465.0 736808.00 1.5
 'R27' 388466.0 736808.00 1.5
 'R28' 388466.0 736904.00 1.5
 'R29' 388466.0 736904.00 1.5
 'R30' 388471.0 737389.00 1.5
 'R31' 388471.0 737389.00 1.5
 'R32' 388472.0 737486.00 1.5
 'R33' 388472.0 737486.00 1.5
 'R34' 388524.0 736629.00 1.5

1 'P'

1 1 1 1 1 1 1

'52-Acre Alt. Residential' 4

1 1
 'A' 'AG' 388181. 739598. 388272. 740174. 2.5 28.00
 2 1
 'B' 'AG' 388272. 740174. 388273. 740628. 2.5 28.00
 3 1
 'C' 'AG' 388273. 740628. 388252. 741083. 2.5 28.00
 4 1
 'D' 'AG' 388186. 738673. 388181. 739598. 2.5 28.00

24 0.0

1 160. 0.297
 2 160. 0.297
 3 160. 0.297
 4 200. 0.297

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

'Pier J South, Truck PM10, I-710'	60.	108.	2.00	2.00	4	1.0	0
1	1	81	12	31	81		
53101	81	91919	81				
0	0	'U'					
'I1'	388125.0	739400.00	1.5				
'I2'	388125.0	739200.00	1.5				
'I3'	388125.0	739000.00	1.5				
'I4'	388093.0	738753.00	1.5				
1	'P'						
1	1	1	1	1	1	1	
' 52-Acre Alt. Industrial '	4						
1	1						
'A'	'AG'	388181.	739598.	388272.	740174.	2.5	28.00
2	1						
'B'	'AG'	388272.	740174.	388273.	740628.	2.5	28.00
3	1						
'C'	'AG'	388273.	740628.	388252.	741083.	2.5	28.00
4	1						
'D'	'AG'	388186.	738673.	388181.	739598.	2.5	28.00
24	0.0						
1	160.	0.297					
2	160.	0.297					
3	160.	0.297					
4	200.	0.297					

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

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 Acre Alt. Residential

RUN: 52-

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 General Information
 =====

Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

Site & Meteorological Constants

 VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =
 60.

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			* NLANS *	LINK COORDINATES (M)				* * *
		TYPE	H (M)	W (M)		X1	Y1	X2	Y2	
583.	9.	1. A AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	2. B AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	3. C AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	4. D AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

Receptor Data

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
1. R1	*	388185.0	740900.0	1.5
2. R2	*	388202.0	740731.0	1.5
3. R3	*	388203.0	740515.0	1.5
4. R4	*	388206.0	740320.0	1.5

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Receptor Data

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
5. R5	*	388187.0	740093.0	1.5
6. R6	*	388149.0	739909.0	1.5
7. R7	*	388122.0	739682.0	1.5
8. R8	*	388053.0	739590.0	1.5
9. R9	*	388534.0	739686.0	1.5
10. R10	*	388534.0	739848.0	1.5
11. R11	*	388534.0	740075.0	1.5
12. R12	*	388534.0	740324.0	1.5
13. R13	*	388534.0	740519.0	1.5
14. R14	*	388534.0	740736.0	1.5
15. R15	*	388534.0	740914.0	1.5
16. R16	*	388530.0	739590.0	1.5
17. R17	*	388520.0	739400.0	1.5
18. R18	*	388510.0	739200.0	1.5
19. R19	*	388500.0	739000.0	1.5
20. R20	*	388490.0	738753.0	1.5
21. R21	*	388480.0	738500.0	1.5
22. R22	*	388470.0	738200.0	1.5
23. R23	*	388470.0	737800.0	1.5
24. R24	*	388470.0	737600.0	1.5
25. R25	*	388466.0	736711.0	1.5
26. R26	*	388465.0	736808.0	1.5
27. R27	*	388466.0	736808.0	1.5
28. R28	*	388466.0	736904.0	1.5
29. R29	*	388466.0	736904.0	1.5
30. R30	*	388471.0	737389.0	1.5
31. R31	*	388471.0	737389.0	1.5
32. R32	*	388472.0	737486.0	1.5
33. R33	*	388472.0	737486.0	1.5
34. R34	*	388524.0	736629.0	1.5

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Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

			* (MICROGRAMS/M**3)						
			REC1	REC2	REC3	REC4	REC5	REC6	REC7
REC8	REC9	REC10	-----*						
	MAX+BKG	*	0.600	0.600	0.600	0.600	0.700	0.700	0.800
0.400	0.200	0.200	-----*						
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	-----*						
	MAX	*	0.600	0.600	0.600	0.600	0.700	0.700	0.800
0.400	0.200	0.200	-----*						
	WIND DIR*		150	27	45	18	172	174	159
24	344	344	-----*						
	JULIAN	*	144	1	1	3	4	51	62
4	1	1	-----*						
	HOUR	*	6	6	23	21	18	18	21
4	9	9	-----*						
			REC11	REC12	REC13	REC14	REC15	REC16	REC17
REC18	REC19	REC20	-----*						
	MAX+BKG	*	0.200	0.300	0.300	0.300	0.300	0.200	0.200
0.200	0.200	0.200	-----*						
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	-----*						
	MAX	*	0.200	0.300	0.300	0.300	0.300	0.200	0.200
0.200	0.200	0.200	-----*						
	WIND DIR*		292	210	205	200	195	247	265
292	292	292	-----*						
	JULIAN	*	1	122	290	41	4	1	1
1	1	1	-----*						

	HOUR	*	1	14	24	3	13	8	3
1	1	1							
		*	REC21	REC22	REC23	REC24	REC25	REC26	REC27
REC28	REC29	REC30							
-----*									
	MAX+BKG	*	0.200	0.200	0.100	0.100	0.100	0.100	0.100
0.100	0.100	0.100							
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
	MAX	*	0.200	0.200	0.100	0.100	0.100	0.100	0.100
0.100	0.100	0.100							
	WIND DIR*		313	344	344	344	349	349	349
349	349	344							
	JULIAN	*	1	1	1	1	5	5	5
5	5	1							
	HOUR	*	21	9	9	9	2	2	2
2	2	9							
		*	REC31	REC32	REC33	REC34			
-----*									
	MAX+BKG	*	0.100	0.100	0.100	0.100			
	- BKG	*	0.000	0.000	0.000	0.000			
-----*									
	MAX	*	0.100	0.100	0.100	0.100			
	WIND DIR*		344	344	344	349			
	JULIAN	*	1	1	1	5			
	HOUR	*	9	9	9	2			

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THE HIGHEST CONCENTRATION OF 0.800 UG/M**3 OCCURRED AT RECEPTOR REC7

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=====
 Output Section
 =====

NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).
 FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest		Highest			Second Highest			Third Highest			
Ending		Fifth Highest			Ending			Ending			
Conc	Day Hr	No.	Conc	Day Hr	Calm	Conc	Day Hr	Calm	Conc	Day Hr	Calm
0.315	(107,24)	1	0.336	(272,24)	C 2	0.329	(145,24)	C 3	0.320	(293,24)	C 4
			0.291	(59,24)	C 2						
0.360	(107,24)	2	0.395	(145,24)	C 3	0.380	(293,24)	C 4	0.368	(272,24)	C 2
			0.333	(265,24)	C 3						
0.364	(272,24)	3	0.380	(107,24)	C 4	0.376	(145,24)	C 3	0.370	(293,24)	C 4
			0.342	(27,24)	C 0						
0.364	(272,24)	4	0.395	(145,24)	C 3	0.395	(293,24)	C 4	0.375	(107,24)	C 4
			0.358	(26,24)	C 5						
0.364	(272,24)	5	0.410	(145,24)	C 3	0.395	(293,24)	C 4	0.375	(107,24)	C 4
			0.346	(27,24)	C 0						
0.325	(107,24)	6	0.386	(145,24)	C 3	0.350	(293,24)	C 4	0.336	(272,24)	C 2
			0.317	(27,24)	C 0						
0.390	(107,24)	7	0.467*	(145,24)	C 3	0.423*	(272,24)	C 2	0.410	(293,24)	C 4
			0.381	(265,24)	C 3						
0.255	(293,24)	8	0.264	(272,24)	C 2	0.260	(107,24)	C 4	0.257	(145,24)	C 3
			0.238	(265,24)	C 3						
0.095	(6,24)	9	0.111	(276,24)	C 5	0.104	(153,24)	C 0	0.100	(134,24)	C 2
			0.095	(122,24)	C 5						
0.095	(122,24)	10	0.104	(153,24)	C 0	0.100	(276,24)	C 5	0.100	(134,24)	C 2
			0.089	(296,24)	C 5						
0.116	(122,24)	11	0.137	(276,24)	C 5	0.133	(153,24)	C 0	0.117	(101,24)	C 9
			0.114	(224,24)	C 3						
0.129	(224,24)	12	0.137	(276,24)	C 5	0.133	(153,24)	C 0	0.132	(134,24)	C 2
			0.121	(122,24)	C 5						
0.127	(134,24)	13	0.137	(153,24)	C 0	0.137	(276,24)	C 5	0.132	(122,24)	C 5
			0.117	(101,24)	C 9						

14 0.132 (134,24) C 2 0.132 (276,24) C 5 0.125 (153,24) C 0
 0.124 (224,24) C 3 0.116 (122,24) C 5
 15 0.132 (276,24) C 5 0.127 (134,24) C 2 0.117 (153,24) C 0
 0.100 (101,24) C 9 0.100 (122,24) C 5
 16 0.116 (276,24) C 5 0.112 (153,24) C 0 0.105 (134,24) C 2
 0.095 (301,24) C 3 0.095 (300,24) C 5
 17 0.142 (276,24) C 5 0.121 (252,24) C 5 0.121 (153,24) C 0
 0.111 (296,24) C 5 0.110 (227,24) C 4
 18 0.142 (276,24) C 5 0.137 (252,24) C 5 0.129 (153,24) C 0
 0.120 (227,24) C 4 0.111 (295,24) C 6
 19 0.142 (276,24) C 5 0.137 (252,24) C 5 0.130 (227,24) C 4
 0.129 (153,24) C 0 0.117 (279,24) C 1
 20 0.137 (276,24) C 5 0.114 (9,24) C 3 0.113 (279,24) C 1
 0.111 (241,24) C 6 0.111 (252,24) C 5
 21 0.065 (279,24) C 1 0.056 (8,24) C 6 0.053 (6,24) C 5
 0.053 (322,24) C 5 0.052 (43,24) C 3
 22 0.040 (306,24) C 4 0.035 (270,24) C 1 0.035 (279,24) C 1
 0.033 (8,24) C 6 0.032 (6,24) C 5
 23 0.026 (322,24) C 5 0.025 (12,24) C 4 0.022 (173,24) C 7
 0.020 (5,24) C 4 0.020 (33,24) C 4
 24 0.022 (173,24) C 7 0.020 (33,24) C 4 0.020 (306,24) C 4
 0.019 (9,24) C 3 0.019 (43,24) C 3
 25 0.011 (326,24) C 7 0.011 (257,24) C 5 0.009 (17,24) C 2
 0.009 (24,24) C 2 0.009 (279,24) C 1
 26 0.011 (326,24) C 7 0.011 (257,24) C 5 0.011 (322,24) C 5
 0.009 (17,24) C 2 0.009 (24,24) C 2

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FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN
 MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest			Highest			Second Highest			Third Highest			
Ending			Fifth Highest			Ending			Ending			
Conc	Day Hr	Rcptr	No.	Conc	Day Hr	Conc	Day Hr	Calm	Conc	Day Hr	Calm	
0.009	(17,24)	C 2	27	0.011	(326,24)	C 7	0.011	(257,24)	C 5	0.011	(322,24)	C 5
0.011	(322,24)	C 5	28	0.011	(326,24)	C 7	0.011	(341,24)	C 6	0.011	(257,24)	C 5
0.011	(322,24)	C 5	29	0.011	(326,24)	C 7	0.011	(341,24)	C 6	0.011	(257,24)	C 5
0.018	(45,24)	C 2	30	0.020	(33,24)	C 4	0.020	(306,24)	C 4	0.019	(9,24)	C 3

31 0.020 (33,24) C 4 0.020 (306,24) C 4 0.019 (9,24) C 3
 0.018 (45,24) C 2 0.017 (173,24) C 7
 32 0.020 (33,24) C 4 0.020 (306,24) C 4 0.019 (9,24) C 3
 0.019 (43,24) C 3 0.018 (45,24) C 2
 33 0.020 (33,24) C 4 0.020 (306,24) C 4 0.019 (9,24) C 3
 0.019 (43,24) C 3 0.018 (45,24) C 2
 34 0.011 (326,24) C 7 0.011 (322,24) C 5 0.009 (17,24) C 2
 0.009 (24,24) C 2 0.009 (279,24) C 1

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.130	(365,24)	C1531
2	0.164	(365,24)	C1531
3	0.165	(365,24)	C1531
4	0.175*	(365,24)	C1531
5	0.166	(365,24)	C1531
6	0.151	(365,24)	C1531
7	0.171	(365,24)	C1531
8	0.100	(365,24)	C1531
9	0.040	(365,24)	C1531
10	0.043	(365,24)	C1531
11	0.051	(365,24)	C1531
12	0.052	(365,24)	C1531
13	0.051	(365,24)	C1531
14	0.047	(365,24)	C1531
15	0.043	(365,24)	C1531
16	0.040	(365,24)	C1531
17	0.051	(365,24)	C1531
18	0.054	(365,24)	C1531
19	0.055	(365,24)	C1531
20	0.045	(365,24)	C1531
21	0.012	(365,24)	C1531
22	0.006	(365,24)	C1531
23	0.004	(365,24)	C1531
24	0.003	(365,24)	C1531
25	0.000	(365,24)	C1531
26	0.001	(365,24)	C1531

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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 52-

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Maximum Ending

Number	Conc	Day Hr	Calm
27	0.001	(365,24)	C1531
28	0.001	(365,24)	C1531
29	0.001	(365,24)	C1531
30	0.003	(365,24)	C1531
31	0.003	(365,24)	C1531
32	0.003	(365,24)	C1531
33	0.003	(365,24)	C1531
34	0.000	(365,24)	C1531

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

95221)

DATE : 8/21/ 4
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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 52-

=====
 General Information
 =====

Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

Site & Meteorological Constants

 VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =
 60.

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			NLANES *	LINK COORDINATES (M)				*
		TYPE	H (M)	W (M)		X1	Y1	X2	Y2	
583.	9.	1. A AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	2. B AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	3. C AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	4. D AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

Receptor Data

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
1. I1	*	388125.0	739400.0	1.5
2. I2	*	388125.0	739200.0	1.5
3. I3	*	388125.0	739000.0	1.5
4. I4	*	388093.0	738753.0	1.5

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 PAGE: 2
 TIME : 9:16:29

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 52-

Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

		REC1	REC2	REC3	REC4
	(MICROGRAMS/M**3)				
MAX+BKG *		0.900	0.900	0.900	0.600
- BKG *		0.000	0.000	0.000	0.000
MAX *		0.900	0.900	0.900	0.600
WIND DIR*		21	22	16	18
JULIAN *		8	5	17	3
HOURL *		3	1	21	21

THE HIGHEST CONCENTRATION OF 0.900 UG/M**3 OCCURRED AT RECEPTOR REC2

95221)

DATE : 8/21/ 4
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 TIME : 9:16:32

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 52-

=====
 Output Section
 =====

NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).
 FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest	Highest	Second Highest	Third Highest
Ending	Fifth Highest	Ending	Ending
Ending	Ending	Ending	Ending
Conc Day Hr	No. Conc Day Hr	Conc Day Hr	Conc Day Hr
Conc Day Hr	Conc Day Hr	Conc Day Hr	Conc Day Hr
0.515 (107,24) C 4	1 0.555* (293,24) C 4	0.543* (145,24) C 3	0.536 (272,24) C 2
0.500 (26,24) C 5	2 0.495 (265,24) C 3	0.524 (145,24) C 3	0.518 (272,24) C 2
0.468 (26,24) C 5	3 0.500 (107,24) C 4	0.495 (272,24) C 2	0.485 (107,24) C 4
0.289 (332,24) C 5	4 0.500 (293,24) C 4	0.300 (331,24) C 2	0.300 (59,24) C 2
	5 0.468 (337,24) C 5		
	6 0.321 (337,24) C 5		
	7 0.280 (350,24) C 4		

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.246*	(365,24)	C1531

2	0.244	(365,24)	C1531
3	0.235	(365,24)	C1531
4	0.124	(365,24)	C1531

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

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DATE : 8/21/ 4
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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 115-

=====
 General Information
 =====

Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

Site & Meteorological Constants

60. VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			* NLANES *	LINK COORDINATES (M)				* * *
		TYPE	H (M)	W (M)		X1	Y1	X2	Y2	
583.	9.	1. A AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	2. B AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	3. C AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	4. D AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

Receptor Data

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
1. R1	*	388185.0	740900.0	1.5
2. R2	*	388202.0	740731.0	1.5
3. R3	*	388203.0	740515.0	1.5
4. R4	*	388206.0	740320.0	1.5

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JOB: Pier J South, Truck PM10, I-710
Acre Alt. Residential

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Receptor Data

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
5. R5	*	388187.0	740093.0	1.5
6. R6	*	388149.0	739909.0	1.5
7. R7	*	388122.0	739682.0	1.5
8. R8	*	388053.0	739590.0	1.5
9. R9	*	388534.0	739686.0	1.5
10. R10	*	388534.0	739848.0	1.5
11. R11	*	388534.0	740075.0	1.5
12. R12	*	388534.0	740324.0	1.5
13. R13	*	388534.0	740519.0	1.5
14. R14	*	388534.0	740736.0	1.5
15. R15	*	388534.0	740914.0	1.5
16. R16	*	388530.0	739590.0	1.5
17. R17	*	388520.0	739400.0	1.5
18. R18	*	388510.0	739200.0	1.5
19. R19	*	388500.0	739000.0	1.5
20. R20	*	388490.0	738753.0	1.5
21. R21	*	388480.0	738500.0	1.5
22. R22	*	388470.0	738200.0	1.5
23. R23	*	388470.0	737800.0	1.5
24. R24	*	388470.0	737600.0	1.5
25. R25	*	388466.0	736711.0	1.5
26. R26	*	388465.0	736808.0	1.5
27. R27	*	388466.0	736808.0	1.5
28. R28	*	388466.0	736904.0	1.5
29. R29	*	388466.0	736904.0	1.5
30. R30	*	388471.0	737389.0	1.5
31. R31	*	388471.0	737389.0	1.5
32. R32	*	388472.0	737486.0	1.5
33. R33	*	388472.0	737486.0	1.5
34. R34	*	388524.0	736629.0	1.5

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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 115-

Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

			* (MICROGRAMS/M**3)						
			REC1	REC2	REC3	REC4	REC5	REC6	REC7
REC8	REC9	REC10							
-----*									
	MAX+BKG	*	0.300	0.300	0.300	0.400	0.400	0.400	0.400
0.200	0.100	0.100							
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
	MAX	*	0.300	0.300	0.300	0.400	0.400	0.400	0.400
0.200	0.100	0.100							
	WIND DIR*		132	27	27	19	172	172	155
27	292	292							
	JULIAN	*	4	1	1	18	4	4	11
1	1	1							
	WIND DIR*		12	6	6	6	18	18	23
6	1	1							
-----*									
	MAX+BKG	*	0.100	0.100	0.200	0.200	0.100	0.100	0.100
0.100	0.100	0.100							
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
	MAX	*	0.100	0.100	0.200	0.200	0.100	0.100	0.100
0.100	0.100	0.100							
	WIND DIR*		292	292	217	205	292	292	292
292	292	292							
	JULIAN	*	1	1	224	290	1	1	1
1	1	1							

1	HOUR	*	1	1	10	24	1	1	1
1	1	1							
REC28	REC29	REC30	REC21	REC22	REC23	REC24	REC25	REC26	REC27
-----*									
0.000	MAX+BKG	*	0.100	0.100	0.100	0.100	0.000	0.000	0.000
0.000	0.000	0.000							
0.000	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
0.000	MAX	*	0.100	0.100	0.100	0.100	0.000	0.000	0.000
0.000	0.000	0.000							
0	WIND DIR*		344	344	344	349	0	0	0
0	0	0							
0	JULIAN	*	1	1	1	5	0	0	0
0	0	0							
0	HOUR	*	9	9	9	2	0	0	0
0	0	0							
-----*									
			REC31	REC32	REC33	REC34			
-----*									
	MAX+BKG	*	0.000	0.000	0.000	0.000			
	- BKG	*	0.000	0.000	0.000	0.000			
-----*									
	MAX	*	0.000	0.000	0.000	0.000			
	WIND DIR*		0	0	0	0			
	JULIAN	*	0	0	0	0			
	HOUR	*	0	0	0	0			

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THE HIGHEST CONCENTRATION OF 0.400 UG/M**3 OCCURRED AT RECEPTOR REC5

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JOB: Pier J South, Truck PM10, I-710
Acre Alt. Residential

RUN: 115-

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Output Section
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NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).
FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest			Highest			Second Highest			Third Highest		
Ending			Fifth Highest			Ending			Ending		
Conc	Day Hr	Rcptr	Conc	Day Hr	Calm	Conc	Day Hr	Calm	Conc	Day Hr	Calm
0.160	(107,24)	C 4	0.176	(145,24)	C 3	0.168	(272,24)	C 2	0.160	(293,24)	C 4
			0.148	(265,24)	C 3						
			0.215	(293,24)	C 4	0.210	(107,24)	C 4	0.191	(272,24)	C 2
0.186	(145,24)	C 3	0.184	(337,24)	C 5						
			0.190	(145,24)	C 3	0.182	(272,24)	C 2	0.180	(107,24)	C 4
0.175	(293,24)	C 4	0.174	(26,24)	C 5						
			0.205	(107,24)	C 4	0.205	(272,24)	C 2	0.200	(293,24)	C 4
0.195	(26,24)	C 5	0.184	(337,24)	C 5						
			0.195	(145,24)	C 3	0.191	(272,24)	C 2	0.185	(293,24)	C 4
0.181	(265,24)	C 3	0.180	(107,24)	C 4						
			0.181	(145,24)	C 3	0.173	(272,24)	C 2	0.170	(293,24)	C 4
0.170	(107,24)	C 4	0.162	(27,24)	C 0						
			0.238*	(145,24)	C 3	0.215*	(293,24)	C 4	0.200	(272,24)	C 2
0.195	(107,24)	C 4	0.190	(265,24)	C 3						
			0.140	(293,24)	C 4	0.133	(145,24)	C 3	0.132	(272,24)	C 2
0.130	(107,24)	C 4	0.119	(265,24)	C 3						
			0.058	(252,24)	C 5	0.058	(276,24)	C 5	0.050	(134,24)	C 2
0.047	(6,24)	C 5	0.045	(1,24)	C 4						
			0.089	(276,24)	C 5	0.068	(122,24)	C 5	0.068	(252,24)	C 5
0.064	(134,24)	C 2	0.058	(153,24)	C 0						
			0.089	(276,24)	C 5	0.073	(134,24)	C 2	0.068	(122,24)	C 5
0.068	(252,24)	C 5	0.068	(300,24)	C 5						
			0.095	(276,24)	C 5	0.075	(153,24)	C 0	0.068	(122,24)	C 5
0.068	(252,24)	C 5	0.068	(134,24)	C 2						
			0.095	(276,24)	C 5	0.082	(134,24)	C 2	0.079	(300,24)	C 5
0.071	(153,24)	C 0	0.068	(122,24)	C 5						

14 0.095 (276,24) C 5 0.075 (153,24) C 0 0.064 (134,24) C 2
 0.063 (122,24) C 5 0.053 (252,24) C 5
 15 0.089 (276,24) C 5 0.074 (300,24) C 5 0.064 (134,24) C 2
 0.063 (153,24) C 0 0.053 (122,24) C 5
 16 0.064 (134,24) C 2 0.063 (276,24) C 5 0.052 (224,24) C 3
 0.047 (122,24) C 5 0.047 (252,24) C 5
 17 0.095 (276,24) C 5 0.082 (134,24) C 2 0.079 (300,24) C 5
 0.075 (153,24) C 0 0.063 (252,24) C 5
 18 0.100 (276,24) C 5 0.079 (153,24) C 0 0.079 (300,24) C 5
 0.077 (134,24) C 2 0.068 (252,24) C 5
 19 0.100 (276,24) C 5 0.079 (153,24) C 0 0.079 (300,24) C 5
 0.064 (134,24) C 2 0.061 (295,24) C 6
 20 0.074 (276,24) C 5 0.058 (153,24) C 0 0.058 (252,24) C 5
 0.057 (9,24) C 3 0.056 (241,24) C 6
 21 0.035 (12,24) C 4 0.032 (6,24) C 5 0.028 (8,24) C 6
 0.028 (241,24) C 6 0.026 (44,24) C 1
 22 0.030 (306,24) C 4 0.021 (322,24) C 5 0.017 (270,24) C 1
 0.017 (279,24) C 1 0.017 (8,24) C 6
 23 0.013 (270,24) C 1 0.011 (104,24) C 9 0.011 (348,24) C11
 0.011 (6,24) C 5 0.011 (197,24) C 5
 24 0.011 (322,24) C 5 0.006 (326,24) C 7 0.005 (5,24) C 4
 0.005 (33,24) C 4 0.004 (73,24) C 1
 25 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 26 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0

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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 115-

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN
 MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest Ending	Highest Fifth Highest Ending	Second Highest Ending	Third Highest Ending
Rcptr	Ending	Ending	Ending
No.	Conc Day Hr Calm	Conc Day Hr Calm	Conc Day Hr Calm
Conc Day Hr Calm	Conc Day Hr Calm	Conc Day Hr Calm	Conc Day Hr Calm
27	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
28	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
29	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
30	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0
0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0	0.000 (1, 0) C 0

31 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 32 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 33 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 34 0.000 (1, 0) C 0 0.000 (1, 0) C 0 0.000 (1, 0) C 0
 0.000 (1, 0) C 0 0.000 (1, 0) C 0

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.061	(365,24)	C1531
2	0.085	(365,24)	C1531
3	0.081	(365,24)	C1531
4	0.091*	(365,24)	C1531
5	0.085	(365,24)	C1531
6	0.072	(365,24)	C1531
7	0.087	(365,24)	C1531
8	0.049	(365,24)	C1531
9	0.016	(365,24)	C1531
10	0.021	(365,24)	C1531
11	0.022	(365,24)	C1531
12	0.024	(365,24)	C1531
13	0.024	(365,24)	C1531
14	0.021	(365,24)	C1531
15	0.017	(365,24)	C1531
16	0.015	(365,24)	C1531
17	0.024	(365,24)	C1531
18	0.025	(365,24)	C1531
19	0.025	(365,24)	C1531
20	0.020	(365,24)	C1531
21	0.006	(365,24)	C1531
22	0.003	(365,24)	C1531
23	0.001	(365,24)	C1531
24	0.000	(365,24)	C1531
25	0.000	(1, 0)	C 0
26	0.000	(1, 0)	C 0

CAL3QHCR (Dated:

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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 115-

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Maximum Ending

Number	Conc	Day Hr	Calm
27	0.000	(1, 0)	C 0
28	0.000	(1, 0)	C 0
29	0.000	(1, 0)	C 0
30	0.000	(1, 0)	C 0
31	0.000	(1, 0)	C 0
32	0.000	(1, 0)	C 0
33	0.000	(1, 0)	C 0
34	0.000	(1, 0)	C 0

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

95221)

DATE : 8/21/ 4
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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 115-

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 General Information
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Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

Site & Meteorological Constants

60. VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			* NLANES	LINK COORDINATES (M)				*
		TYPE	H (M)	W (M)		X1	Y1	X2	Y2	
583.	9.	AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

Receptor Data

RECEPTOR	*	COORDINATES (M)		
		X	Y	Z
1. I1	*	388125.0	739400.0	1.5
2. I2	*	388125.0	739200.0	1.5
3. I3	*	388125.0	739000.0	1.5
4. I4	*	388093.0	738753.0	1.5

CAL3QHCR (Dated:

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TIME : 8:50:27

JOB: Pier J South, Truck PM10, I-710
Acre Alt. Industrial

RUN: 115-

Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

	*	(MICROGRAMS/M**3)			
	*	REC1	REC2	REC3	REC4
MAX+BKG	*	0.500	0.500	0.500	0.300
- BKG	*	0.000	0.000	0.000	0.000
MAX	*	0.500	0.500	0.500	0.300
WIND DIR*		27	18	11	27
JULIAN	*	1	3	15	1
HOURLY	*	6	21	22	6

THE HIGHEST CONCENTRATION OF 0.500 UG/M**3 OCCURRED AT RECEPTOR REC1

CAL3QHCR (Dated:

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TIME : 8:50:31

JOB: Pier J South, Truck PM10, I-710
Acre Alt. Industrial

RUN: 115-

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Output Section

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NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).

FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3

EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest		Highest			Second Highest			Third Highest		
Ending		Fifth Highest			Ending			Ending		
Conc	Day Hr	Conc	Day Hr	Calm	Conc	Day Hr	Calm	Conc	Day Hr	Calm
0.263	(337,24) C 5	0.280*	(293,24) C 4	0.276*	(145,24) C 3	0.270	(107,24) C 4			
0.250	(107,24) C 4	0.259	(272,24) C 2							
0.240	(293,24) C 4	0.255	(293,24) C 4	0.255	(272,24) C 2	0.253	(26,24) C 5			
0.145	(350,24) C 4	0.248	(145,24) C 3							
		0.253	(332,24) C 5	0.250	(272,24) C 2	0.242	(26,24) C 5			
		0.236	(331,24) C 2							
		0.163	(337,24) C 5	0.145	(331,24) C 2	0.145	(346,24) C 4			
		0.142	(26,24) C 5							

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.127*	(365,24)	C1531
2	0.123	(365,24)	C1531
3	0.118	(365,24)	C1531
4	0.061	(365,24)	C1531

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

95221)

DATE : 8/21/ 4
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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 75-

=====
 General Information
 =====

Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

Site & Meteorological Constants

60. VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			NLANES	LINK COORDINATES (M)				
		TYPE	H (M)	W (M)		X1	Y1	X2	Y2	
583.	9.	1. A AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	2. B AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	3. C AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	4. D AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

Receptor Data

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. R1	388185.0	740900.0	1.5
2. R2	388202.0	740731.0	1.5
3. R3	388203.0	740515.0	1.5
4. R4	388206.0	740320.0	1.5

CAL3QHCR (Dated:

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JOB: Pier J South, Truck PM10, I-710
Acre Alt. Residential

RUN: 75-

Receptor Data

RECEPTOR	COORDINATES (M)		
	X	Y	Z
5. R5	388187.0	740093.0	1.5
6. R6	388149.0	739909.0	1.5
7. R7	388122.0	739682.0	1.5
8. R8	388053.0	739590.0	1.5
9. R9	388534.0	739686.0	1.5
10. R10	388534.0	739848.0	1.5
11. R11	388534.0	740075.0	1.5
12. R12	388534.0	740324.0	1.5
13. R13	388534.0	740519.0	1.5
14. R14	388534.0	740736.0	1.5
15. R15	388534.0	740914.0	1.5
16. R16	388530.0	739590.0	1.5
17. R17	388520.0	739400.0	1.5
18. R18	388510.0	739200.0	1.5
19. R19	388500.0	739000.0	1.5
20. R20	388490.0	738753.0	1.5
21. R21	388480.0	738500.0	1.5
22. R22	388470.0	738200.0	1.5
23. R23	388470.0	737800.0	1.5
24. R24	388470.0	737600.0	1.5
25. R25	388466.0	736711.0	1.5
26. R26	388465.0	736808.0	1.5
27. R27	388466.0	736808.0	1.5
28. R28	388466.0	736904.0	1.5
29. R29	388466.0	736904.0	1.5
30. R30	388471.0	737389.0	1.5
31. R31	388471.0	737389.0	1.5
32. R32	388472.0	737486.0	1.5
33. R33	388472.0	737486.0	1.5
34. R34	388524.0	736629.0	1.5

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DATE : 8/21/ 4
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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 75-

Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

			* (MICROGRAMS/M**3)						
			REC1	REC2	REC3	REC4	REC5	REC6	REC7
REC8	REC9	REC10							
-----*									
	MAX+BKG	*	0.500	0.600	0.600	0.600	0.700	0.700	0.800
0.400	0.200	0.200							
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
	MAX	*	0.500	0.600	0.600	0.600	0.700	0.700	0.800
0.400	0.200	0.200							
	WIND DIR*		132	140	159	24	172	169	159
132	335	344							
	JULIAN	*	4	22	62	4	4	66	62
4	2	1							
	HOURL	*	12	9	21	4	18	11	21
12	9	9							
-----*									
			REC11	REC12	REC13	REC14	REC15	REC16	REC17
REC18	REC19	REC20							
-----*									
	MAX+BKG	*	0.200	0.200	0.200	0.300	0.300	0.200	0.200
0.200	0.200	0.200							
	- BKG	*	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000							
-----*									
	MAX	*	0.200	0.200	0.200	0.300	0.300	0.200	0.200
0.200	0.200	0.200							
	WIND DIR*		292	292	292	199	195	247	265
292	292	292							
	JULIAN	*	1	1	1	172	4	1	1
1	1	1							

	HOUR	*	1	1	1	4	13	8	3
1	1	1							
REC28	REC29	REC30	REC21	REC22	REC23	REC24	REC25	REC26	REC27
-----*									
0.100	0.100	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-----*									
0.100	0.100	0.100	0.200	0.200	0.100	0.100	0.100	0.100	0.100
349	349	353	313	344	344	344	349	349	349
5	5	3	1	1	1	1	5	5	5
2	2	6	21	9	9	9	2	2	2
-----*									
			REC31	REC32	REC33	REC34			
-----*									
			0.100	0.100	0.100	0.100			
			0.000	0.000	0.000	0.000			
-----*									
			0.100	0.100	0.100	0.100			
			353	344	344	349			
			3	1	1	5			
			6	9	9	2			

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JOB: Pier J South, Truck PM10, I-710
Acre Alt. Residential

RUN: 75-

THE HIGHEST CONCENTRATION OF 0.800 UG/M**3 OCCURRED AT RECEPTOR REC7

CAL3QHCR (Dated:

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JOB: Pier J South, Truck PM10, I-710
Acre Alt. Residential

RUN: 75-

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 Output Section
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NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).
 FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest			Highest			Second Highest			Third Highest		
Ending			Fifth Highest			Ending			Ending		
Conc	Day Hr	Rcpt	Conc	Day Hr	Calm	Conc	Day Hr	Calm	Conc	Day Hr	Calm
0.300	(107,24)	C 4	0.319	(145,24)	C 3	0.318	(272,24)	C 2	0.315	(293,24)	C 4
0.355	(107,24)	C 4	0.275	(97,24)	C 4	0.375	(293,24)	C 4	0.364	(272,24)	C 2
0.330	(107,24)	C 4	0.386	(145,24)	C 3	0.341	(272,24)	C 2	0.335	(293,24)	C 4
0.359	(272,24)	C 2	0.325	(27,24)	C 0	0.386	(145,24)	C 3	0.365	(107,24)	C 4
0.325	(107,24)	C 4	0.348	(145,24)	C 3	0.360	(293,24)	C 4	0.350	(272,24)	C 2
0.309	(272,24)	C 2	0.321	(27,24)	C 0	0.330	(293,24)	C 4	0.315	(107,24)	C 4
0.365	(107,24)	C 4	0.395	(293,24)	C 4	0.386*	(272,24)	C 2	0.380	(293,24)	C 4
0.245	(293,24)	C 4	0.353	(26,24)	C 5	0.252	(145,24)	C 3	0.250	(272,24)	C 2
0.095	(122,24)	C 5	0.381	(145,24)	C 3	0.100	(134,24)	C 2	0.100	(153,24)	C 0
0.089	(296,24)	C 5	0.315	(4,24)	C 4	0.090	(301,24)	C 3	0.095	(134,24)	C 2
0.111	(319,24)	C 9	0.367	(145,24)	C 3	0.100	(276,24)	C 5	0.112	(153,24)	C 0
0.124	(224,24)	C 3	0.304	(27,24)	C 0	0.117	(101,24)	C 9	0.125	(153,24)	C 0
0.121	(122,24)	C 5	0.438*	(145,24)	C 3	0.133	(153,24)	C 0	0.123	(134,24)	C 2
			0.357	(265,24)	C 3	0.127	(134,24)	C 2			
			0.255	(107,24)	C 4	0.116	(122,24)	C 5			
			0.229	(265,24)	C 3	0.117	(101,24)	C 9			
			0.111	(276,24)	C 5	0.137	(276,24)	C 5			
			0.111	(276,24)	C 5	0.137	(276,24)	C 5			
			0.132	(276,24)	C 5	0.117	(101,24)	C 9			

14 0.132 (276,24) C 5 0.127 (134,24) C 2 0.121 (153,24) C 0
 0.119 (224,24) C 3 0.111 (122,24) C 5
 15 0.127 (134,24) C 2 0.126 (276,24) C 5 0.108 (153,24) C 0
 0.100 (122,24) C 5 0.100 (354,24) C 0
 16 0.111 (276,24) C 5 0.108 (153,24) C 0 0.100 (134,24) C 2
 0.090 (301,24) C 3 0.089 (300,24) C 5
 17 0.137 (276,24) C 5 0.121 (153,24) C 0 0.116 (252,24) C 5
 0.110 (224,24) C 3 0.106 (101,24) C 9
 18 0.142 (276,24) C 5 0.129 (153,24) C 0 0.121 (252,24) C 5
 0.115 (227,24) C 4 0.111 (319,24) C 9
 19 0.142 (276,24) C 5 0.129 (153,24) C 0 0.121 (252,24) C 5
 0.117 (279,24) C 1 0.111 (241,24) C 6
 20 0.121 (276,24) C 5 0.109 (279,24) C 1 0.105 (252,24) C 5
 0.105 (9,24) C 3 0.100 (153,24) C 0
 21 0.061 (279,24) C 1 0.053 (6,24) C 5 0.053 (322,24) C 5
 0.050 (5,24) C 4 0.050 (8,24) C 6
 22 0.035 (306,24) C 4 0.035 (270,24) C 1 0.033 (8,24) C 6
 0.032 (322,24) C 5 0.029 (43,24) C 3
 23 0.025 (12,24) C 4 0.022 (173,24) C 7 0.021 (322,24) C 5
 0.020 (5,24) C 4 0.020 (33,24) C 4
 24 0.020 (33,24) C 4 0.020 (306,24) C 4 0.019 (9,24) C 3
 0.019 (43,24) C 3 0.017 (270,24) C 1
 25 0.011 (326,24) C 7 0.011 (257,24) C 5 0.009 (17,24) C 2
 0.009 (24,24) C 2 0.009 (279,24) C 1
 26 0.011 (326,24) C 7 0.011 (257,24) C 5 0.009 (17,24) C 2
 0.009 (24,24) C 2 0.009 (279,24) C 1

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JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 75-

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN
 MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest			Highest			Second Highest			Third Highest		
Ending			Fifth Highest			Ending			Ending		
Conc	Day Hr	Rcpt	Conc	Day Hr	Calm	Conc	Day Hr	Calm	Conc	Day Hr	Calm
0.009	(24,24)	C 2	0.011	(326,24)	C 7	0.011	(257,24)	C 5	0.009	(17,24)	C 2
			0.009	(279,24)	C 1						
0.009	(17,24)	C 2	0.011	(326,24)	C 7	0.011	(257,24)	C 5	0.011	(322,24)	C 5
			0.009	(24,24)	C 2						
0.009	(17,24)	C 2	0.011	(326,24)	C 7	0.011	(257,24)	C 5	0.011	(322,24)	C 5
			0.009	(24,24)	C 2						
0.015	(12,24)	C 4	0.020	(33,24)	C 4	0.017	(173,24)	C 7	0.016	(197,24)	C 5
			0.015	(306,24)	C 4						

31 0.020 (33,24) C 4 0.017 (173,24) C 7 0.016 (197,24) C 5
 0.015 (12,24) C 4 0.015 (306,24) C 4
 32 0.020 (33,24) C 4 0.020 (306,24) C 4 0.017 (10,24) C 9
 0.017 (173,24) C 7 0.016 (197,24) C 5
 33 0.020 (33,24) C 4 0.020 (306,24) C 4 0.017 (10,24) C 9
 0.017 (173,24) C 7 0.016 (197,24) C 5
 34 0.011 (326,24) C 7 0.009 (17,24) C 2 0.009 (24,24) C 2
 0.009 (279,24) C 1 0.006 (117,24) C 6

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.122	(365,24)	C1531
2	0.160	(365,24)	C1531
3	0.155	(365,24)	C1531
4	0.170*	(365,24)	C1531
5	0.157	(365,24)	C1531
6	0.143	(365,24)	C1531
7	0.162	(365,24)	C1531
8	0.096	(365,24)	C1531
9	0.038	(365,24)	C1531
10	0.042	(365,24)	C1531
11	0.049	(365,24)	C1531
12	0.050	(365,24)	C1531
13	0.049	(365,24)	C1531
14	0.045	(365,24)	C1531
15	0.040	(365,24)	C1531
16	0.038	(365,24)	C1531
17	0.049	(365,24)	C1531
18	0.052	(365,24)	C1531
19	0.052	(365,24)	C1531
20	0.042	(365,24)	C1531
21	0.012	(365,24)	C1531
22	0.006	(365,24)	C1531
23	0.004	(365,24)	C1531
24	0.003	(365,24)	C1531
25	0.000	(365,24)	C1531
26	0.000	(365,24)	C1531

CAL3QHCR (Dated:

95221)

DATE : 8/21/ 4
 PAGE: 7
 TIME : 8:50: 1

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Residential

RUN: 75-

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS
 IN MICROGRAMS/M**3
 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Maximum Ending

Number	Conc	Day Hr	Calm
27	0.000	(365,24)	C1531
28	0.001	(365,24)	C1531
29	0.001	(365,24)	C1531
30	0.002	(365,24)	C1531
31	0.002	(365,24)	C1531
32	0.003	(365,24)	C1531
33	0.003	(365,24)	C1531
34	0.000	(365,24)	C1531

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

95221)

DATE : 8/21/ 4
 PAGE: 1
 TIME : 9:16:25

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 75-

=====
 General Information
 =====

Run start date: 1/ 1/81 Julian: 1
 end date: 12/31/81 Julian: 365

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to P for calculating PM averages.

Ambient background concentrations are excluded from the averages below.

 Site & Meteorological Constants

60. VS = 2.0 CM/S VD = 2.0 CM/S Z0 = 108. CM ATIM =

Met. Sfc. Sta. Id & Yr = 53101 81
 Upper Air Sta. Id & Yr = 91919 81

Urban mixing heights were processed.

In 1981, Julian day 1 is a Thursday.

 Link Data Constants - (Variable data in *.LNK file)

LENGTH (M)	BRG (DEG)	LINK DESCRIPTION			* NLANS	LINK COORDINATES (M)				* Y2
		TYPE	H (M)	W (M)		X1	Y1	X2		
583.	9.	1. A AG	2.5	28.0	*	388181.0	739598.0	388272.0	740174.0	*
454.	0.	2. B AG	2.5	28.0	*	388272.0	740174.0	388273.0	740628.0	*
455.	357.	3. C AG	2.5	28.0	*	388273.0	740628.0	388252.0	741083.0	*
925.	360.	4. D AG	2.5	28.0	*	388186.0	738673.0	388181.0	739598.0	*

 Receptor Data

95221)

DATE : 8/21/ 4
 PAGE: 2
 TIME : 9:16:25

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 75-

Model Results

Remarks : In search of the wind direction corresponding to the maximum concentration, only the first direction, of the directions with the same maximum concentrations, is indicated as the maximum.

* MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED

	REC1	REC2	REC3	REC4
MAX+BKG * (MICROGRAMS/M**3)	0.900	0.800	0.800	0.600
- BKG *	0.000	0.000	0.000	0.000
MAX *	0.900	0.800	0.800	0.600
WIND DIR*	21	18	18	12
JULIAN *	8	3	3	16
HOUR *	3	21	21	24

THE HIGHEST CONCENTRATION OF 0.900 UG/M**3 OCCURRED AT RECEPTOR REC1

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
1. I1	*	388125.0	739400.0	1.5
2. I2	*	388125.0	739200.0	1.5
3. I3	*	388125.0	739000.0	1.5
4. I4	*	388093.0	738753.0	1.5

95221)

DATE : 8/21/ 4
 PAGE: 3
 TIME : 9:16:29

JOB: Pier J South, Truck PM10, I-710
 Acre Alt. Industrial

RUN: 75-

=====
 Output Section
 =====

NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*).
 FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.
2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.
3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AND SECONDARY AVERAGES.

FIVE HIGHEST 24-HOUR END-TO-END AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Fourth Highest		Highest		Second Highest		Third Highest	
Ending		Fifth Highest		Ending		Ending	
Conc	Day Hr	Conc	Day Hr	Conc	Day Hr	Conc	Day Hr
0.475	(107,24)	0.505*	(293,24)	0.495*	(145,24)	0.482	(272,24)
0.460	(107,24)	0.468	(26,24)	0.471	(145,24)	0.468	(272,24)
0.438	(145,24)	0.453	(26,24)	0.450	(293,24)	0.445	(107,24)
0.279	(332,24)	0.432	(331,24)	0.289	(337,24)	0.282	(331,24)
		0.295	(59,24)	0.263	(26,24)		

THE HIGHEST ANNUAL AVERAGE CONCENTRATIONS IN MICROGRAMS/M**3 EXCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Maximum Conc	Ending Day Hr	Calm
1	0.229*	(365,24)	C1531

2	0.225	(365,24)	C1531
3	0.218	(365,24)	C1531
4	0.115	(365,24)	C1531

Note the traffic volume was increased 10 times, because the model can not handle this low traffic volume. The actual results in the output should be divided by 10, as suggested by Peter Echhof of EPA, author of the CAL3QHCR.

Job Address: 3000 NW 24th Street, Miami, FL 33135
 Job Title: Sales Representative
 Job ID: 12345
 Date: 05/15/2023
 Department: Sales
 Location: Miami, FL
 Reporting Manager: John Doe
 Pay Period: 05/01/2023 - 05/15/2023

Date	Daily Pay		Hourly Pay		Commission		Benefits		Deductions		Totals	
	Rate	Hours	Rate	Hours	Commission	Commission	Health	Dental	Retirement	Taxes	Gross	Net
05/01	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/02	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/03	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/04	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/05	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/06	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/07	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/08	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/09	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/10	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/11	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/12	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/13	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/14	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
05/15	15.00	8.00	120.00	0.00	0.00	0.00	15.00	10.00	10.00	20.00	105.00	85.00
Total												
Gross Pay			1500.00								1500.00	
Deductions							150.00	100.00	100.00	200.00		
Net Pay											1150.00	

Total Gross Pay: 1500.00
 Total Deductions: 350.00
 Total Net Pay: 1150.00

1114 Los Angeles County Air Quality Survey Details Table

Form No. 3015 (Rev. 01-15-16)
 Date: 06/25/2015 09:15 AM
 Job No: 1114
 Worksheet: 1114 of 1114

Los Angeles County Air Quality Survey
 1114 - 06/25/2015 09:15 AM
 Worksheet: 1114 of 1114

Site No.	Site Name	Emission Type	Total Emissions (lbs)		Permit Emissions (lbs)		Excess Emissions (lbs)		Total Emissions (lbs)		Permit Emissions (lbs)		Excess Emissions (lbs)		Total Emissions (lbs)	Permit Emissions (lbs)	Excess Emissions (lbs)	Total Emissions (lbs)	Permit Emissions (lbs)	Excess Emissions (lbs)
			Actual	Permit	Actual	Permit	Actual	Permit	Actual	Permit	Actual	Permit	Actual	Permit						
1114	Los Angeles County Air Quality Survey Details Table	CO	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	CO2	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	CO2e	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	NOx	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	SOx	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	PM10	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	PM2.5	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	VOC	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	Other	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00
1114	Los Angeles County Air Quality Survey Details Table	Total	13.25	13.25	0.00	0.00	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00	13.25	13.25	0.00	0.00

Title : Los Angeles County Jan 2011 Mexico Default Bill
 From City : 5/17/07 WA 0113 AM
 Station : 1013K - Model Name: 1001 to 1011
 In Port : Los Angeles County
 Location : New York City

	Local Pay Revenue	Local Pay Expense	Local Pay Balance	State Pay Revenue	State Pay Expense	State Pay Balance	Federal Pay Revenue	Federal Pay Expense	Federal Pay Balance	Total Pay Revenue	Total Pay Expense	Total Pay Balance	Other Income	Other Expense	Other Balance
Jan 2011	1000	0.00	1000	0.00	0.00	1000	0.00	0.00	0.00	1000	0.00	1000	0.00	0.00	1000
Feb 2011	1000	0.00	2000	0.00	0.00	2000	0.00	0.00	0.00	2000	0.00	2000	0.00	0.00	2000
Mar 2011	1000	0.00	3000	0.00	0.00	3000	0.00	0.00	0.00	3000	0.00	3000	0.00	0.00	3000
Apr 2011	1000	0.00	4000	0.00	0.00	4000	0.00	0.00	0.00	4000	0.00	4000	0.00	0.00	4000
May 2011	1000	0.00	5000	0.00	0.00	5000	0.00	0.00	0.00	5000	0.00	5000	0.00	0.00	5000
Jun 2011	1000	0.00	6000	0.00	0.00	6000	0.00	0.00	0.00	6000	0.00	6000	0.00	0.00	6000
Jul 2011	1000	0.00	7000	0.00	0.00	7000	0.00	0.00	0.00	7000	0.00	7000	0.00	0.00	7000
Aug 2011	1000	0.00	8000	0.00	0.00	8000	0.00	0.00	0.00	8000	0.00	8000	0.00	0.00	8000
Sep 2011	1000	0.00	9000	0.00	0.00	9000	0.00	0.00	0.00	9000	0.00	9000	0.00	0.00	9000
Oct 2011	1000	0.00	10000	0.00	0.00	10000	0.00	0.00	0.00	10000	0.00	10000	0.00	0.00	10000
Nov 2011	1000	0.00	11000	0.00	0.00	11000	0.00	0.00	0.00	11000	0.00	11000	0.00	0.00	11000
Dec 2011	1000	0.00	12000	0.00	0.00	12000	0.00	0.00	0.00	12000	0.00	12000	0.00	0.00	12000
Total 2011	12000	0.00	12000	0.00	0.00	12000	0.00	0.00	0.00	12000	0.00	12000	0.00	0.00	12000

TITLE: Los Angeles County, 2007 General Obligation Debt
 Version: BACFIN 2.1, Date: 05-27-2010
 Report Date: 2010-10-13 11:17:30 AM
 Report Title: Model Years - 10/10 to 2017
 Agency: Los Angeles County Housing
 Description: Housing Bonds to Refinance
 Prepared By: Tom DePoy

Bonds		Total Issue		Canton		Canton		Canton		Canton		Canton		Canton		Canton	
Bond	Year	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face
10/01	2010	4.75	10,000,000	4.75	10,000,000												
10/02	2011	4.75	10,000,000	4.75	10,000,000												
10/03	2012	4.75	10,000,000	4.75	10,000,000												
10/04	2013	4.75	10,000,000	4.75	10,000,000												
10/05	2014	4.75	10,000,000	4.75	10,000,000												
10/06	2015	4.75	10,000,000	4.75	10,000,000												
10/07	2016	4.75	10,000,000	4.75	10,000,000												
10/08	2017	4.75	10,000,000	4.75	10,000,000												
Total			70,000,000		70,000,000												

Year	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face	Rate	Face
2010	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2011	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2012	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2013	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2014	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2015	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2016	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
2017	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000	4.75	10,000,000
Total			70,000,000		70,000,000											

10/01 2010 4.75 10,000,000
 10/02 2011 4.75 10,000,000
 10/03 2012 4.75 10,000,000
 10/04 2013 4.75 10,000,000
 10/05 2014 4.75 10,000,000
 10/06 2015 4.75 10,000,000
 10/07 2016 4.75 10,000,000
 10/08 2017 4.75 10,000,000
Total 70,000,000

Title : Los Angeles County Subarea 2015 Annual Default Title
 Version : Emfac2002 V2.2 Apr 23 2003
 Run Date : 08/12/04 13:01:43
 Scen Year: 2015 -- Model Years: 1970 to 2015
 Season : Annual
 Area : Los Angeles (SC)

 Year: 2015 1970 to 2015 Inclusive -- Annual
 -- Model Years
 Emfac2002 Emission Factors: V2.2 Apr 23 2003

Pollutant Name: PM10	Temperature: 75F												Relative Humidity: ALL											
	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA		
Time min	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
5	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001
10	0.01	0.001	0.001	0.001	0.009	0.001	0.001	0.001	0.009	0.001	0.001	0.001	0.009	0.001	0.001	0.001	0.009	0.001	0.001	0.001	0.009	0.001	0.001	0.001
20	0.008	0.002	0.002	0.002	0.007	0.003	0.003	0.003	0.007	0.003	0.003	0.003	0.007	0.003	0.003	0.003	0.007	0.003	0.003	0.003	0.007	0.003	0.003	0.003
30	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004
40	0.004	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005
50	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006
60	0.003	0.007	0.007	0.007	0.007	0.003	0.007	0.007	0.007	0.003	0.007	0.007	0.007	0.003	0.007	0.007	0.007	0.003	0.007	0.007	0.007	0.003	0.007	0.007
120	0.007	0.01	0.01	0.01	0.01	0.007	0.01	0.01	0.01	0.007	0.01	0.01	0.01	0.007	0.01	0.01	0.01	0.007	0.01	0.01	0.01	0.007	0.01	0.01
180	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
240	0.015	0.012	0.012	0.012	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.013
300	0.018	0.012	0.012	0.012	0.012	0.017	0.014	0.014	0.012	0.017	0.014	0.014	0.012	0.017	0.014	0.014	0.012	0.017	0.014	0.014	0.012	0.017	0.014	0.014
360	0.021	0.013	0.013	0.013	0.013	0.02	0.014	0.014	0.013	0.02	0.014	0.014	0.013	0.02	0.014	0.014	0.013	0.02	0.014	0.014	0.013	0.02	0.014	0.014
420	0.023	0.014	0.014	0.014	0.014	0.022	0.015	0.015	0.014	0.022	0.015	0.015	0.014	0.022	0.015	0.015	0.014	0.022	0.015	0.015	0.014	0.022	0.015	0.015
480	0.025	0.014	0.014	0.014	0.014	0.024	0.015	0.015	0.014	0.024	0.015	0.015	0.014	0.024	0.015	0.015	0.014	0.024	0.015	0.015	0.014	0.024	0.015	0.015
540	0.027	0.014	0.014	0.014	0.014	0.026	0.016	0.016	0.014	0.026	0.016	0.016	0.014	0.026	0.016	0.016	0.014	0.026	0.016	0.016	0.014	0.026	0.016	0.016
600	0.028	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016
660	0.029	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016
720	0.029	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016	0.015	0.027	0.016	0.016

Table 2. Starting Emissions (grams/trip)

Los Angeles (SC)

Los Angeles (SC)

Los Angeles (SC)

Title : Los Angeles County Subarea 2015 Annual Default Title
 Version : Emfac2002 V2.2 Apr 23 2003
 Run Date : 08/12/04 13:01:43
 Scen Year: 2015 - Model Years: 1970 to 2015
 Season : Annual
 Area : Los Angeles (SC)

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Annual
 Emfac2002 Emission Factors: V2.2 Apr 23 2003

Los Angeles (SC) Los Angeles (SC) Los Angeles (SC)

Temperature: 75F Relative Humidity: 40%

Speed MPH	LDA			LDT1			LDT2			HHD			HHD		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0.104	0.058	0.376	0.058	0.099	0.065	0.201	0.066	0.107	0.137	0.132	0.137	0.137	0.101	0.093
10	0.074	0.037	0.295	0.038	0.07	0.043	0.158	0.044	0.076	0.089	0.104	0.089	0.089	0.066	0.061
15	0.055	0.028	0.237	0.026	0.052	0.03	0.127	0.031	0.057	0.062	0.083	0.062	0.062	0.045	0.042
20	0.043	0.019	0.194	0.019	0.041	0.022	0.104	0.022	0.044	0.045	0.068	0.045	0.045	0.032	0.03
25	0.035	0.014	0.163	0.014	0.033	0.017	0.087	0.017	0.036	0.034	0.057	0.034	0.034	0.024	0.022
30	0.03	0.011	0.14	0.012	0.028	0.014	0.075	0.014	0.031	0.027	0.049	0.028	0.028	0.019	0.017
35	0.027	0.01	0.122	0.01	0.025	0.012	0.065	0.012	0.027	0.023	0.043	0.023	0.023	0.015	0.014
40	0.025	0.009	0.11	0.009	0.024	0.01	0.059	0.011	0.026	0.021	0.039	0.021	0.021	0.013	0.011

Los Angeles (SC) 1.186 1.21 0.337 0.333 0.285 0.281 0.209 0.171 0.144 0.123 0.108 0.098 0.097

Table 1: Running Exhaust Emissions (grams/mile; grams/Idle-hour)

Title : Los Angeles County Avg 2015 Annual Default Title
 Version : Emfac2002 V2.2 Apr 23 2003
 Run Date : 08/12/04 13:01:43
 Scen Year: 2015 - Modal Years
 Season : Annual
 Area : Los Angeles County
 Year: 2015 - Modal Years
 Emfac2002 Emission Factors: V2.2 Apr 23 2003
 1970 to 2015 Inclusive - Annual

County Average Los Angeles Count County Average

Table 2: Starting Emissions (grams/trip)

Time min	Temperature: 75F										Relative Humidity: ALL									
	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	LDT1 ALL	LDT2 NCAT	LDT2 CAT	LDT2 DSL	LDT2 ALL	HHD NCAT	HHD CAT	HHD DSL	HHD ALL				
5	0.011	0.001	0.001	0.001	0.011	0.001	0.001	0.001	0.012	0.012	0.001	0.001	0.002	0.011	0.002	0.001	0.001			
10	0.01	0.001	0.001	0.001	0.009	0.001	0.001	0.001	0.01	0.01	0.003	0.003	0.003	0.01	0.003	0.001	0.001			
20	0.008	0.002	0.002	0.002	0.007	0.003	0.003	0.003	0.008	0.008	0.006	0.006	0.006	0.008	0.007	0.002	0.002			
30	0.006	0.004	0.004	0.004	0.006	0.004	0.004	0.004	0.008	0.008	0.008	0.008	0.008	0.01	0.01	0.003	0.003			
40	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.004	0.011	0.011	0.011	0.004	0.012	0.004	0.004			
50	0.003	0.006	0.006	0.006	0.003	0.006	0.006	0.006	0.003	0.003	0.013	0.013	0.013	0.003	0.014	0.005	0.005			
60	0.003	0.007	0.007	0.007	0.003	0.007	0.007	0.007	0.003	0.003	0.015	0.015	0.015	0.003	0.016	0.006	0.006			
120	0.007	0.01	0.01	0.01	0.007	0.011	0.011	0.011	0.007	0.007	0.023	0.023	0.023	0.007	0.023	0.008	0.008			
180	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.025	0.025	0.025	0.011	0.023	0.008	0.008			
240	0.015	0.012	0.012	0.012	0.012	0.014	0.013	0.013	0.015	0.015	0.027	0.027	0.027	0.015	0.024	0.009	0.009			
300	0.018	0.012	0.012	0.012	0.012	0.017	0.013	0.013	0.019	0.019	0.029	0.029	0.029	0.018	0.025	0.009	0.009			
360	0.021	0.013	0.013	0.013	0.013	0.02	0.014	0.014	0.022	0.022	0.03	0.03	0.03	0.021	0.025	0.01	0.01			
420	0.023	0.014	0.014	0.014	0.014	0.022	0.015	0.015	0.024	0.024	0.032	0.032	0.032	0.023	0.026	0.01	0.01			
480	0.025	0.014	0.014	0.014	0.014	0.024	0.015	0.015	0.026	0.026	0.033	0.033	0.033	0.025	0.027	0.01	0.01			
540	0.027	0.014	0.014	0.014	0.014	0.026	0.016	0.016	0.028	0.028	0.034	0.034	0.034	0.027	0.028	0.01	0.01			
600	0.028	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.029	0.029	0.034	0.034	0.034	0.028	0.029	0.011	0.011			
660	0.029	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.03	0.03	0.035	0.035	0.035	0.029	0.029	0.011	0.011			
720	0.029	0.015	0.015	0.015	0.015	0.027	0.016	0.016	0.03	0.03	0.035	0.035	0.035	0.029	0.03	0.011	0.011			

Title : Los Angeles County Avg 2015 Annual Default Title
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 12/23/03 12:16:32
 Scan Year: 2015 -- Model Years: 1970 to 2015
 Season : Annual
 Area : Los Angeles County
 Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Annual
 Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles County County Average

Table 1: Running Exhaust Emissions (grams/mile; grams/kle-hour)

Speed MPH	Temperature: 75F			Relative Humidity: 40%			LDA			LDT1			LDT2			HHD				
	LDA	NCAT	CAT	LDA	NCAT	CAT	LDT1	DSL	ALL	LDT1	NCAT	CAT	LDT2	DSL	ALL	HHD	NCAT	CAT	DSL	ALL
5	0.104	0.057	0.375	0.058	0.099	0.065	0.198	0.066	0.107	0.136	0.136	0.136	0.101	0.083	0.338	0.101	0.083	0.083	0.121	1.165
10	0.074	0.037	0.294	0.038	0.07	0.043	0.155	0.044	0.076	0.089	0.104	0.089	0.066	0.061	0.265	0.066	0.061	0.061	0.265	0.333
15	0.055	0.026	0.236	0.026	0.052	0.03	0.125	0.03	0.057	0.061	0.084	0.062	0.045	0.042	0.213	0.045	0.042	0.042	0.213	0.261
20	0.043	0.019	0.194	0.019	0.041	0.022	0.102	0.022	0.044	0.045	0.069	0.045	0.032	0.03	0.175	0.032	0.03	0.03	0.175	0.209
25	0.035	0.014	0.162	0.014	0.033	0.017	0.086	0.017	0.036	0.034	0.057	0.034	0.024	0.022	0.144	0.024	0.022	0.022	0.144	0.172
30	0.03	0.011	0.139	0.012	0.028	0.014	0.073	0.014	0.031	0.027	0.049	0.028	0.019	0.017	0.125	0.019	0.017	0.017	0.125	0.144
35	0.027	0.01	0.122	0.01	0.025	0.012	0.064	0.012	0.027	0.023	0.043	0.023	0.015	0.014	0.108	0.015	0.014	0.014	0.108	0.123
40	0.025	0.009	0.109	0.009	0.024	0.01	0.058	0.011	0.026	0.021	0.039	0.021	0.013	0.012	0.098	0.013	0.012	0.012	0.098	0.108

Title : Los Angeles County Avg 2007 Annual Default Title
 Version : Emfac2002 V2.2 Apr 23 2003
 Run Date : 08/12/04 13:01:43
 Scan Year: 2007 -- Model Years: 1965 to 2007
 Season : Annual
 Area : Los Angeles County

 Year: 2007 1965 to 2007 Inclusive --
 -- Model Years Annual
 Emfac2002 Emission Factors: V2.2 Apr 23 2003

County Average Los Angeles County County Average

Table 1: Running Exhaust Emissions (grams/mile, grams/kde-hour)

Temperature: 75F Relative Humidity: 40%

Pollutant Name: PM10	Temperature: 75F										Relative Humidity: 40%									
	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA
5	0.104	0.057	0.455	0.058	0.101	0.081	0.061	0.214	0.064	0.105	0.107	0.157	0.108	0.101	0.066	0.103	0.103	1.638	1.745	
10	0.074	0.037	0.357	0.039	0.072	0.041	0.168	0.043	0.075	0.071	0.123	0.071	0.123	0.071	0.066	0.068	0.068	0.628	0.8	
15	0.055	0.026	0.266	0.027	0.054	0.029	0.135	0.031	0.056	0.049	0.099	0.059	0.059	0.05	0.046	0.046	0.046	0.504	0.481	
20	0.043	0.019	0.235	0.02	0.042	0.021	0.11	0.023	0.044	0.036	0.081	0.037	0.037	0.032	0.033	0.033	0.033	0.413	0.394	
25	0.035	0.014	0.197	0.015	0.034	0.017	0.093	0.018	0.036	0.028	0.068	0.028	0.028	0.024	0.024	0.024	0.024	0.347	0.33	
30	0.03	0.012	0.169	0.012	0.029	0.014	0.079	0.015	0.03	0.022	0.058	0.023	0.023	0.019	0.019	0.019	0.019	0.297	0.283	
35	0.027	0.01	0.148	0.01	0.026	0.012	0.07	0.013	0.027	0.019	0.051	0.019	0.019	0.015	0.015	0.015	0.015	0.26	0.248	
40	0.025	0.009	0.133	0.009	0.024	0.01	0.062	0.011	0.025	0.017	0.046	0.017	0.017	0.013	0.013	0.013	0.013	0.233	0.222	

Title : Los Angeles County Subarea 2011 Annual Default Title
 Version : Emfac2002 V2.2 Apr 23 2003
 Run Date : 08/12/04 13:01:43
 Scen Year: 2011 -- Model Years: 1966 to 2011
 Season : Annual
 Area : Los Angeles (SC)

Year: 2011 -- Model Years: 1966 to 2011 Inclusive -- Annual
 Emfac2002 Emission Factors: V2.2 Apr 23 2003

Los Angeles (SC) Los Angeles (SC)

Table 1: Running Exhaust Emissions (grams/mile, grams/ide-hour)

Pollutant Name: PM10	Temperature: 75F										Relative Humidity: 40%									
	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT1	LDT1	LDT1	LDT1	LDT1	LDT1
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0.104	0.057	0.419	0.058	0.1	0.064	0.208	0.065	0.106	0.126	0.144	0.126	0.101	0.087	0.511	0.498	0.101	0.087	0.087	1.448
10	0.074	0.038	0.329	0.038	0.071	0.042	0.163	0.044	0.075	0.083	0.113	0.083	0.066	0.064	0.401	0.391	0.066	0.064	0.064	0.511
15	0.055	0.026	0.264	0.026	0.053	0.03	0.131	0.031	0.056	0.057	0.091	0.058	0.045	0.043	0.322	0.313	0.045	0.043	0.043	0.322
20	0.043	0.019	0.217	0.019	0.041	0.022	0.107	0.023	0.044	0.042	0.074	0.042	0.032	0.031	0.264	0.257	0.032	0.031	0.031	0.264
25	0.035	0.014	0.182	0.015	0.034	0.017	0.09	0.018	0.036	0.032	0.062	0.032	0.024	0.023	0.221	0.215	0.024	0.023	0.023	0.221
30	0.03	0.012	0.156	0.012	0.029	0.014	0.077	0.014	0.031	0.026	0.053	0.026	0.019	0.018	0.19	0.185	0.019	0.018	0.018	0.19
35	0.027	0.01	0.137	0.01	0.026	0.012	0.068	0.012	0.027	0.022	0.047	0.022	0.015	0.014	0.166	0.162	0.015	0.014	0.014	0.166
40	0.025	0.009	0.122	0.009	0.024	0.01	0.061	0.011	0.026	0.02	0.042	0.02	0.013	0.012	0.149	0.145	0.013	0.012	0.012	0.149

2015	50	10.72	86.53	106.53	8.80
	120	26.21	173.24	215.35	22.02
	175	31.11	285.86	317.57	21.54
	250	35.29	139.94	425.09	18.32
	500	57.53	228.95	654.81	29.63
	750	115.18	429.19	1276.43	57.51
	9999	164.96	649.66	2714.94	75.86

Source of Data: CARB 2002, 2004

Fleet Average - Construction Category (OFFROAD Model) by HP

CARB 2002

CARB 2004

		grams/hr			
		TOG	CO	NOX	PM
2003	50	50.12	131.36	128.95	15.75
	120	62.71	195.46	412.51	40.90
	175	78.85	293.28	726.00	43.04
	250	71.14	221.78	929.17	35.23
	500	104.74	498.77	1409.94	53.62
	750	210.99	953.61	2750.65	106.88
	9999	344.38	1603.53	4353.64	143.59
2004	50	46.60	126.47	125.51	15.07
	120	60.08	193.16	397.57	39.94
	175	73.97	291.51	693.57	41.30
	250	65.29	205.58	889.45	32.48
	500	96.14	449.11	1341.08	49.76
	750	193.89	850.07	2627.02	99.08
	9999	327.95	1453.45	4262.88	135.04
2005	50	43.07	121.58	122.08	14.39
	120	57.45	190.86	382.63	38.99
	175	69.09	289.75	661.13	39.57
	250	59.44	189.39	849.74	29.72
	500	87.55	399.45	1272.17	45.90
	750	176.80	746.54	2503.39	91.28
	9999	311.52	1303.36	4172.11	126.49
2007	50	33.822	111.693	117.351	12.768
	120	50.575	187.153	350.075	35.592
	175	59.396	288.891	582.849	35.264
	250	52.561	175.087	754.542	26.624
	500	78.616	351.050	1120.312	41.453
	750	158.757	655.642	2217.099	82.378
	9999	270.053	1118.985	3830.009	112.981
2010	50	19.95	96.85	110.26	10.34
	120	40.26	181.59	301.24	30.50
	175	44.85	287.60	465.42	28.81
	250	42.25	153.64	611.75	21.98
	500	65.22	278.45	892.53	34.78
	750	131.70	519.30	1787.66	69.02
	9999	207.85	842.42	3316.85	92.71
2011	50	18.102	94.790	109.513	10.031
	120	37.447	178.919	284.065	28.805
	175	42.104	287.255	435.853	27.359
	250	40.855	150.900	574.419	21.250
	500	63.681	268.550	844.981	33.751
	750	128.395	501.279	1685.417	66.720
	9999	199.274	803.871	3196.469	89.341

Emission Factors (Winter, 2007)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA gasoline - cat</i>	<i>HHDT diesel</i>
ROC	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	64.61	3.66
	Emission Factor (g/mile)	0.48	0.60
CO	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	630.02	16.66
	Emission Factor (g/mile)	4.66	2.72
NOx	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	62.96	102.39
	Emission Factor (g/mile)	0.47	16.73
PM10	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	4.53	1.91
	Emission Factor (g/mile)	0.03	0.31
PM10 (exhaust)	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	1.75	1.61
	Emission Factor (g/mile)	0.01	0.26
SOx	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	0.50	0.13
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

Emission Factors (Summer, 2007)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA gasoline - cat</i>	<i>HHDT diesel</i>
ROC	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	57.98	3.66
	Emission Factor (g/mile)	0.43	0.60
CO	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	627.99	16.66
	Emission Factor (g/mile)	4.64	2.72
NOx	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	53.66	94.77
	Emission Factor (g/mile)	0.40	15.49
PM10	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	4.53	1.91
	Emission Factor (g/mile)	0.03	0.31
PM10 (exhaust)	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	1.75	1.61
	Emission Factor (g/mile)	0.01	0.26
SOx	Total VMT (miles/day)	122744000	5551000
	Total Emissions (tons/day)	0.53	0.13
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

Emission Factors (Winter, 2011)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA gasoline - cat</i>	<i>HHDT diesel</i>
ROC	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	48.68	3.03
	Emission Factor (g/mile)	0.34	0.42
CO	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	475.40	13.98
	Emission Factor (g/mile)	3.34	1.95
NOx	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	44.44	73.26
	Emission Factor (g/mile)	0.31	10.22
PM10	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	4.89	1.61
	Emission Factor (g/mile)	0.03	0.22
PM10 (exhaust)	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	1.97	1.26
	Emission Factor (g/mile)	0.01	0.18
SOx	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	0.53	0.15
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

Emission Factors (Summer, 2011)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA gasoline - cat</i>	<i>HHDT diesel</i>
ROC	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	43.78	3.03
	Emission Factor (g/mile)	0.31	0.42
CO	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	474.61	13.98
	Emission Factor (g/mile)	3.34	1.95
NOx	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	37.95	67.99
	Emission Factor (g/mile)	0.27	9.48
PM10	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	4.89	1.61
	Emission Factor (g/mile)	0.03	0.22
PM10 (exhaust)	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	1.97	1.26
	Emission Factor (g/mile)	0.01	0.18
SOx	Total VMT (miles/day)	128935000	6506000
	Total Emissions (tons/day)	0.56	0.15
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

Emission Factors (Winter, 2015)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA</i>	<i>HHDT</i>
		<i>gasoline - cat</i>	<i>diesel</i>
ROC	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	37.41	2.43
	Emission Factor (g/mile)	0.25	0.30
CO	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	353.17	12.02
	Emission Factor (g/mile)	2.36	1.49
NOx	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	31.28	48.82
	Emission Factor (g/mile)	0.21	6.04
PM10	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	5.15	1.35
	Emission Factor (g/mile)	0.03	0.17
PM10 (exhaust)	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	2.08	0.96
	Emission Factor (g/mile)	0.01	0.12
SOx	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	0.55	0.17
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

Emission Factors (Summer, 2015)

<i>Pollutants</i>	<i>Parameters</i>	<i>LDA gasoline - cat</i>	<i>HHDT diesel</i>
ROC	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	33.71	2.43
	Emission Factor (g/mile)	0.23	0.30
CO	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	353.26	12.02
	Emission Factor (g/mile)	2.36	1.49
NOx	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	26.72	45.53
	Emission Factor (g/mile)	0.18	5.64
PM10	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	5.15	1.35
	Emission Factor (g/mile)	0.03	0.17
PM10 (exhaust)	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	2.08	0.96
	Emission Factor (g/mile)	0.01	0.12
SOx	Total VMT (miles/day)	135711000	7330000
	Total Emissions (tons/day)	0.59	0.17
	Emission Factor (g/mile)	0.004	0.02

Source of Data: EMFAC2002 (Los Angeles County)

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