

PM 2.5 MONITORING ANNUAL SUMMARY

COTTAGE GROVE CITY SHOPS - 2011

24 HOUR AVERAGE CONCENTRATION, $\mu\text{g}/\text{m}^3$, LTP

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			11.2					3.7				
2		32.1				2.3	5.3				11.7	13.3
3	14.3			6.3	5.4				7.8	3.0		
4			6.5					3.7				
5		7.3				5.5	8.5				14.1	14.5
6	5.0			3.7	3.3				11.4	4.3		
7			5.5					5.5				
8		10.1				6.6	3.8				13.0	6.2
9				7.4	3.0				13.4	5.7		
10			4.3					4.8				
11		16.6				7.5	2.0				11.8	14.8
12	10.6			3.8	4.5				5.8	8.7		
13			5.8					5.4				
14		5.9				2.5	2.7				12.1	26.1
15	8.2			4.1	3.9				4.0	14.6		
16			4.5					4.9				
17		10.3				4.2	1.5				4.4	5.1
18	3.5			5.5	5.4				4.3	13.0		
19			6.0					5.9				
20		6.2				2.2	3.7				4.6	4.6
21	7.7			4.8	3.5				6.8	7.2		
22			6.8					2.0				
23		8.4				4.0	6.0				3.2	20.5
24	13.3			3.6	3.5				3.8	10.3		
25			3.1					6.0				
26		13.6				5.3	3.4				14.1	9.5
27	12.8			3.0	2.8				3.4	14.3		
28			3.3					5.9				
29							7.4				6.7	4.3
30	13.6			5.5	3.0				5.4	4.0		
31			3.0					5.0				

MONTH												
NCAP	9	9	11	10	10	9	10	11	10	10	10	10
%CAP	90.0%	100.0%	100.0%	100.0%	100.0%	90.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MEAN	9.9	12.3	5.5	4.8	3.8	4.5	4.4	4.8	6.6	8.5	9.6	11.9
MAX	14.3	32.1	11.2	7.4	5.4	7.5	8.5	6.0	13.4	14.6	14.1	26.1

QUARTER	Q1	Q2	Q3	Q4
NCAP	29	29	31	30
%CAP	96.7%	96.7%	100.0%	100.0%
MEAN	8.9	4.3	5.2	9.9

ANNUAL	Site Statistics										
NCAP	119	HIGH	32.1	6th	14.6	Year	2007	2008	2009	2010	2011
%NCAP	98.3%	2nd	26.1	7th	14.5	Annual Mean		8.1	8.5	6.9	7.1
YMEAN	7.1	3rd	20.5	8th	14.3	Annual High		31.8	33.6	21.1	32.1
QYMEAN	7.1	4th	16.6	9th	14.3	Annual 98 %-ile		21	30	18	21
98 %-ile	20.5	5th	14.8	10th	14.1	3 Year 98 %-ile				23	23