

PM 2.5 MONITORING ANNUAL SUMMARY

COTTAGE GROVE CITY SHOPS - 2013

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	11.8			2.3	6.8				3.3	4.3		
2			4.9					3.4				
3		5.3				5.3	5.6				6.2	4.7
4	19.3			5.1	7.4				4.4	14.8		
5			8.5									
6		5.8				6.4					13.6	17.8
7	7.0			2.9	4.2				4.5	6.5		
8			6.8					3.5				
9		11.9				4.5	8.8				17.6	38.1
10	4.3			3.4	7.6				7.3	20.5		
11			5.3					3.4				
12		4.7				2.8	4.0				12.7	20.8
13	7.5			5.7	2.4				4.9	11.8		
14			5.2					4.6				
15		11.9				4.9	6.0				7.4	9.3
16	4.7			4.3	2.8				2.0	23.5		
17			3.9					2.1				
18		12.0				1.9	6.0				10.0	5.8
19	8.8			2.0	2.3				3.4	17.0		
20			2.6					5.7				
21		3.6				3.0	4.6				20.2	10.3
22	21.2			2.9	2.1				1.8	13.7		
23			6.2					3.9				
24		5.9				1.3	6.5				31.1	6.0
25	12.8			6.0	2.3				1.5	11.6		
26			6.5					4.4				
27		9.3				2.5	6.1				25.4	9.4
28	4.3			3.4	1.8				1.3	14.8		
29			4.8					2.2				
30						5.2	4.8				15.5	8.7
31	3.8				5.5					12.7		

MONTH												
NCAP	11	9	10	10	11	10	9	9	10	11	10	10
%CAP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	90.0%	90.0%	100.0%	110.0%	100.0%	90.9%
MEAN	9.6	7.8	5.5	3.8	4.1	3.8	5.8	3.7	3.4	13.7	16.0	13.1
MAX	21.2	12.0	8.5	6.0	7.6	6.4	8.8	5.7	7.3	23.5	31.1	38.1

QUARTER	Q1	Q2	Q3	Q4
NCAP	30	31	28	31
%CAP	100.0%	100.0%	93.3%	100.0%
MEAN	7.6	3.9	4.2	14.2

ANNUAL	Site Statistics										
NCAP	120	HIGH	38.1	6th	20.8	Year	2009	2010	2011	2012	2013
%NCAP	98.4%	2nd	31.1	7th	20.5	Annual Mean	8.5	6.9	7.1	6.7	7.5
YMEAN	7.6	3rd	25.4	8th	20.2	Annual High	33.6	21.1	32.1	24.7	38.1
QYMEAN	7.5	4th	23.5	9th	19.3	Annual 98 %-ile	30	18	21	17	25
98 %-ile	25.4	5th	21.2	10th	17.8	3 Year 98 %-ile		23	23	19	21