

PM 2.5 MONITORING ANNUAL SUMMARY

COTTAGE GROVE CITY SHOPS - 2012

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	10.2		7.6					5.3				
2						1.7	2.9				17.0	3.0
3		11.8		5.3	1.5				5.7	9.9		
4	7.6		10.2					8.0				
5						2.2	5.9				9.5	5.9
6				5.0	7.7				8.8	11.4		
7	10.3		7.1					2.3				
8						2.2	7.7				8.3	6.8
9		7.7		7.5	6.0				3.0	10.7		
10	10.8		6.5					6.2				
11						4.6	12.1				14.2	3.2
12		3.8		2.0	9.6				11.8	4.5		
13	24.7		3.2					10.3				
14						6.7	5.1				9.8	9.0
15		6.8		5.2	10.0				9.1	1.7		
16	16.8		3.8					8.1				
17						1.6	3.6				9.7	5.0
18		7.5		3.1	6.4				14.6	17.5		
19	4.0		7.3					3.3				
20							3.4				3.5	5.1
21		1.9		7.5	3.8				2.9	5.4		
22	6.3		7.4					4.9				
23							3.6				9.0	7.0
24		4.3		2.0	2.5				6.7	4.5		
25	9.7		4.0					6.2				
26						1.8	5.0				8.4	5.9
27		13.5		2.7	4.3				11.3	14.5		
28	11.0		3.6					3.4				
29						3.2	4.0				5.3	7.5
30				1.7	5.1				5.5	15.1		
31	7.4		1.6					4.8				

MONTH												
NCAP	11	8	11	10	10	8	10	11	10	10	10	10
%CAP	100.0%	88.9%	100.0%	100.0%	100.0%	80.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MEAN	10.8	7.2	5.7	4.2	5.7	3.0	5.3	5.7	7.9	9.5	9.5	5.8
MAX	24.7	13.5	10.2	7.5	10.0	6.7	12.1	10.3	14.6	17.5	17.0	9.0

QUARTER	Q1			Q2			Q3			Q4		
NCAP	30			28			31			30		
%CAP	96.8%			90.3%			100.0%			100.0%		
MEAN	7.9			4.3			6.3			8.2		

ANNUAL	Site Statistics										
NCAP	119	HIGH	24.7	6th	14.6	Year	2008	2009	2010	2011	2012
%NCAP	97.5%	2nd	17.5	7th	14.5	Annual Mean	8.1	8.5	6.9	7.1	6.7
YMEAN	6.8	3rd	17.0	8th	14.2	Annual High	31.8	33.6	21.1	32.1	24.7
QYMEAN	6.7	4th	16.8	9th	13.5	Annual 98 %-ile	21	30	18	21	17
98 %-ile	17.0	5th	15.1	10th	12.1	3 Year 98 %-ile			23	23	19