

PM 2.5 MONITORING ANNUAL SUMMARY

COTTAGE GROVE CITY SHOPS - 2020

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	3.2		6.5					2.2				
2						5.7	6.4				13.4	10.2
3		7.1		2.5	4.1				6.3	11.0		
4	7.3		7.3					4.7				
5						4.3	5.0				6.1	11.0
6		2.3		2.1	3.0				8.1	9.5		
7	4.5		3.2					4.1				
8						2.6	3.5				11.2	10.5
9		8.7		8.9	7.1				341.4	12.7		
10	4.5		6.7					4.6				
11						2.8	3.3				10.7	11.6
12		7.1		9.2	3.1				499.2	2.0		
13	3.0		8.3					5.5				
14						2.5	5.3				5.5	8.3
15		3.5		4.9	3.0					8.4		
16	4.6		5.8					9.0				
17						2.3	2.8				6.5	9.0
18		10.7		6.2	2.0				7.6	5.9		
19	12.2		5.5					2.1				
20						2.7	5.8				16.1	5.2
21		12.9		4.1	2.1				12.9	7.8		
22	11.2		9.1					3.5				
23						5.6	2.9				14.0	4.3
24		8.3		3.5	5.1				3.5	5.3		
25	7.2		3.9					5.7				
26						5.4	6.5				15.9	8.5
27		10.6		1.7	6.3				4.1	16.8		
28	3.8		6.2					5.4				
29						4.0	7.1				10.3	9.6
30				3.3	4.7				11.8	9.8		
31	6.9		3.9					4.3				

MONTH												
NCAP	11	9	11	10	10	10	10	11	9	10	10	10
%CAP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	90.0%	100.0%	100.0%	100.0%
MEAN	6.2	7.9	6.0	4.6	4.1	3.8	4.9	4.6	99.4	8.9	11.0	8.8
MAX	12.2	12.9	9.1	9.2	7.1	5.7	7.1	9.0	499.2	16.8	16.1	11.6

QUARTER	Q1			Q2			Q3			Q4		
NCAP	31			30			30			30		
%CAP	100.0%			100.0%			96.8%			100.0%		
MEAN	6.6			4.1			33.1			9.5		

ANNUAL	Site Statistics										
NCAP	121	HIGH	499.2	6th	14.0	Year	2016	2017	2018	2019	2020
%NCAP	99.2%	2nd	341.4	7th	13.4	Annual Mean	5.8	8.8	7.8	7.3	13.3
YMEAN	13.3	3rd	16.8	8th	12.9	Annual High	26.2	116.0	43.5	29.1	499.2
QYMEAN	13.3	4th	16.1	9th	12.9	Annual 98 %-ile	18.3	37.7	23.7	20.5	16.8
98 %-ile	16.8	5th	15.9	10th	12.7	3 Year 98 %-ile	20	25	27	27	20