

PM 2.5 MONITORING ANNUAL SUMMARY

SPRINGFIELD CITY HALL - 2010

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		4.5				3.1	2.8					
2	4.0			3.5	1.6							
3			2.3									
4											13.0	6.8
5									3.0	7.1		
6								17.9				
7		5.8				1.5	6.5					
8	13.6			3.3	4.9							
9			4.6									
10											6.4	3.8
11									5.6	4.1		
12								7.0				
13		4.5				5.7	4.4					2.9
14				5.6	8.3					9.3		
15			9.1									
16											4.3	6.5
17									4.8	13.0		
18								6.4				
19		7.0				2.2	5.9					
20	8.6			2.5	3.1							
21			2.3									
22											2.4	4.8
23									7.2	5.0		
24								9.8				
25		2.8					7.9					
26	8.4			9.4	2.9	4.3						
27			5.8									
28											2.0	3.5
29									14.0	9.8		
30								2.8				
31							3.1					

MONTH												
NCAP	4	5	5	5	5	5	6	5	5	6	5	6
%CAP	80.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	120.0%	100.0%	120.0%
MEAN	8.7	4.9	4.8	4.9	4.2	3.4	5.1	8.8	6.9	8.1	5.6	4.7
MAX	13.6	7.0	9.1	9.4	8.3	5.7	7.9	17.9	14.0	13.0	13.0	6.8

QUARTER	Q1			Q2			Q3			Q4		
NCAP	14			15			16			17		
%CAP	93.3%			100.0%			100.0%			113.3%		
MEAN	6.0			4.1			6.8			6.2		

ANNUAL						Site Statistics					
NCAP	62	HIGH	17.9	6th	9.8	Year	2006	2007	2008	2009	2010
%NCAP	100.0%	2nd	14.0	7th	9.8	Annual Mean	7.4	6.8	6.9	6.5	5.8
YMEAN	5.8	3rd	13.6	8th	9.4	Annual High	30.2	38.6	32.3	21.9	17.9
QYMEAN	5.8	4th	13.0	9th	9.3	Annual 98 %-ile	28	18	24	18	14
98 %-ile	14.0	5th	13.0	10th	9.1	3 Year 98 %-ile	25	24	23	20	19