

PM 2.5 MONITORING ANNUAL SUMMARY*

SPRINGFIELD CITY HALL - 2021

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

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.0	4.0	6.1	9.6	2.8	7.6	6.5	7.7	5.4	7.0	8.9	8.1
2	1.9	1.7	10.7	7.5	3.3	6.9	10.9	8.7	21.9	9.0	7.5	5.5
3	3.1	3.2	11.2	11.0	4.0	3.8	11.6	12.5	35.1	8.8	11.6	6.5
4	2.8	4.8	7.3	6.9	4.1	3.9	11.1	11.1	40.5	12.3	4.4	6.2
5	3.9	2.7	4.4	4.7	6.8	2.8	7.1	4.8	20.4	6.1	4.3	4.5
6	3.6	2.8	3.3	7.6	4.3	3.3	5.6	2.0	4.2	3.0	2.4	6.7
7	3.7	3.4	3.9	4.9	3.0	3.8	3.0	2.0	22.3	6.7	3.4	4.3
8	3.8	6.2	4.6	3.2	3.9	3.3	5.3	3.5	21.9	5.2	5.4	5.7
9	7.0	10.0	2.9	5.8	3.7	4.1	5.3	4.5	8.9	4.2	3.5	3.5
10	5.5	14.2	5.7	3.3	4.4	2.5	6.5	6.7	3.0	3.1	7.2	2.7
11	4.9	14.0	9.5	5.6	5.5	3.5	4.7	16.1	5.4	3.5	3.7	2.3
12	2.1	5.9	11.4	6.1	5.6	4.0	5.1	53.2	10.6	5.4	4.4	2.2
13	4.4	2.7	7.5	4.9	4.7	3.7	5.9	21.6	3.7	3.7	6.7	2.2
14	7.4	3.3	4.2	5.7	4.6	3.2	7.9	11.6	8.6	5.2	3.8	3.4
15	7.0	2.0	3.8	5.8	5.7	3.5	3.9	8.8	2.9	6.6	4.0	2.6
16	8.6	2.8	8.8	6.5	6.3	4.4	2.8	6.5	13.4		4.6	2.7
17	6.3	4.2	5.8	5.0	2.7	5.2	2.7	3.6	28.5		8.1	3.8
18	8.7	3.3	5.3	5.3	3.3	4.2	3.0	6.4	2.0		10.2	2.1
19	11.2	2.5	2.9	5.7	3.6	4.1	3.1	6.3	2.7	13.8	3.6	3.2
20	13.2	3.1	2.5	5.1	3.7	9.0	3.0	3.0	5.5	6.4	9.3	8.1
21	14.7	4.1	3.5	6.1	6.4	15.9	2.9	2.8	7.3	6.6	11.2	6.4
22	9.5	2.3	2.7	6.2	5.8	4.4	2.5	4.6	6.4	4.1	7.4	3.0
23	11.7	4.9	7.4	6.6	3.7	3.8	3.8	6.2	5.7	7.3	3.6	1.8
24	6.8	6.3	5.3	4.3	3.0	4.9	5.4	10.5	8.6	3.3	6.7	1.4
25	3.0	4.7	2.9	2.9	2.8	7.8	4.3	7.1	11.3	3.3	6.3	1.5
26	4.3	4.1	5.6	2.7	4.8	11.1	3.8	6.6	4.3	4.9	3.9	1.8
27	4.9	4.7	7.8	5.0	3.8	16.0	5.6	3.4	2.0	9.1	3.8	2.3
28	4.5	5.5	4.7	5.6	4.2	13.3	7.7	12.8	2.8	9.0	4.1	3.9
29	5.3		4.6	5.2	4.8	6.6	9.7	14.7	4.7	3.9	4.0	7.8
30	4.8		7.5	5.5	6.0	8.6	12.1	4.5	5.2	9.7	5.0	3.9
31	3.4		13.0		6.8		8.3	3.3		8.5		6.9

MONTH												
NCAP	31	28	31	30	31	30	31	31	30	28	30	31
%CAP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	90.3%	100.0%	100.0%
MEAN	6.0	4.8	6.0	5.7	4.5	6.0	5.8	8.9	10.8	6.4	5.8	4.1
MAX	14.7	14.2	13.0	11.0	6.8	16.0	12.1	53.2	40.5	13.8	11.6	8.1

QUARTER	Q1	Q2	Q3	Q4
NCAP	90	91	92	89
%CAP	100.0%	100.0%	100.0%	96.7%
MEAN	5.6	5.4	8.5	5.4

ANNUAL	Site Statistics										
NCAP	362	HIGH	53.2	6th	21.9	Year	2017	2018	2019	2020	2021
%NCAP	99.2%	2nd	40.5	7th	21.9	Annual Mean	12.1	6.1	6.6	21.9	6.2
YMEAN	6.2	3rd	35.1	8th	21.6	Annual High	286.8	18.2	21.0	589.3	53.2
QYMEAN	6.2	4th	28.5	9th	20.4	Annual 98 %-ile	41.9	18.1	19.7	392.2	21.6
98 %-ile	21.6	5th	22.3	10th	16.1	3 Year 98 %-ile	22	23	27	143	145

*Includes Wildfire Data - LRAPA will apply to exclude wildfire data that causes violation of NAAQS