

PM 2.5 MONITORING ANNUAL SUMMARY*

OAKRIDGE - 2021

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	7.8	6.3	9.7	14.0	1.9	4.5	5.5	53.4	26.6	3.0	9.8	7.9
2	7.5	3.2	12.5	12.4	2.6	7.5	7.2	26.3	41.7	4.4	5.5	3.5
3	4.0	5.0	16.1	11.9	1.8	4.2	8.3	32.5	54.0	6.0	4.5	5.6
4	5.6	7.3	17.1	9.8	2.6	3.4	8.3	54.4	72.1	5.7	1.3	4.8
5	8.1	3.8	12.8	6.6	4.5	2.7	7.5	17.4	50.0	2.6	3.4	6.0
6	7.2	3.2	4.4	11.5	3.4	1.8	5.9	24.1	69.8	1.9	3.4	3.8
7	6.4	5.3	10.6	8.4	2.4	1.5	2.0	26.4	134.3	4.4	3.0	4.9
8	6.3	7.0	8.7	5.8	3.5	0.8	4.2	9.4	91.7	5.5	5.7	3.8
9	7.4	12.4	4.3	6.9	3.0	1.3	6.1	42.0	48.6	6.3	3.0	6.9
10	7.0	4.9	2.5	3.3	3.5	0.6	7.2	64.2	2.1	2.7	7.1	4.1
11	4.6	15.5	6.5	6.7	3.9	1.2	6.0	74.0	17.0	2.6	5.0	3.3
12	1.2		7.0	9.6	4.3	1.7	6.4	95.4	13.8	1.9	4.1	3.4
13	3.9		16.3	6.9	4.4	2.6	6.7	93.7	11.2	2.0	5.6	5.6
14	8.6	5.4	8.2	7.7	4.1	1.2	7.8	103.4	11.5	6.4	4.8	3.7
15	5.2	3.6	3.8	9.5	5.1	2.1	5.0	35.9	8.0	5.8	2.9	4.2
16	7.1	3.1	8.4	7.3	6.7	2.9	2.9	21.5	32.6	9.4	3.4	3.6
17	6.7	6.4	11.0	4.9	7.1	4.1	2.9	2.6	28.2	4.8	8.4	4.6
18	3.4	6.0	7.5	3.6	1.6	5.1	3.8	31.9	4.4	4.5	8.8	2.6
19	16.7	4.4	2.8	4.6	2.4	4.4	3.5	21.5	2.3	6.4	3.1	3.4
20	23.2	3.4	1.7	3.3	1.5	5.1	3.4	4.2	4.4	4.8	6.8	5.7
21	19.2	4.1	2.9	4.3	4.3	11.0	3.2	2.6	3.2	4.3	10.6	4.3
22	13.8	3.8	3.7	6.6	4.2	6.8	3.2	19.4	4.4	3.0	12.4	4.4
23	13.4	2.9	6.0	4.5	3.2	5.6	3.3	11.7	4.8	3.0	5.0	4.6
24	11.2	9.9	3.4	2.3	0.8	5.2	5.7	39.8	4.3	1.9	5.8	8.3
25	6.0	4.7	2.1		1.0	5.1	5.3	29.1	7.8	2.1	12.4	10.2
26	7.0	4.3	5.4		2.3	7.2	4.3	10.3	3.8	6.3	8.8	6.1
27	7.7	5.4	9.2	3.0	1.7	12.7	7.6	9.2	1.0	8.2	7.5	13.8
28	6.3	6.9	6.0	3.9	2.5	9.8	11.7	37.5	1.4	9.6	4.3	16.9
29	4.4		4.1	3.1	2.5	6.4	11.4	30.0	2.0	4.4	6.6	16.4
30	8.6		14.0	6.0	5.3	6.6	26.1	6.6	3.6	4.2	7.2	11.3
31	6.2		9.6		5.1		22.2	14.0		11.2		15.1

MONTH												
NCAP	31	26	31	28	31	30	31	31	30	31	30	31
%CAP	100.0%	92.9%	100.0%	93.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MEAN	8.1	5.7	7.6	6.7	3.3	4.5	6.9	33.6	25.3	4.8	6.0	6.5
MAX	23.2	15.5	17.1	14.0	7.1	12.7	26.1	103.4	134.3	11.2	12.4	16.9

QUARTER	Q1	Q2	Q3	Q4
NCAP	88	89	92	92
%CAP	97.8%	97.8%	100.0%	100.0%
MEAN	7.3	4.8	22.0	5.8

ANNUAL						Site Statistics					
NCAP	361	HIGH	134.3	6th	74.0	Year	2017	2018	2019	2020	2021
%NCAP	98.9%	2nd	103.4	7th	72.1	Annual Mean	13.0	9.0	9.2	14.9	9.9
YMEAN	10.0	3rd	95.4	8th	69.8	Annual High	200.0	62.0	42.0	576.6	134.3
QYMEAN	9.9	4th	93.7	9th	64.2	Annual 98 %-ile	86.2	33.2	36.7	189.5	69.8
98 %-ile	69.8	5th	91.7	10th	54.4	3 Year 98 %-ile	46	47	52	87	99

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