

PM 2.5 MONITORING ANNUAL SUMMARY

OAKRIDGE - 2004

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	44.6	10.6	6.8	24.2	9.9	4.7	6.9	7.5	4.7	6.9	11.4	9.1
2		11.0	17.2	23.3	8.5	4.9	5.1	6.9	5.3	9.7	9.4	11.9
3		10.7	7.8	16.9	4.1	6.3	3.6	9.0	8.4	6.5	15.0	8.9
4	32.0	9.3	6.9	13.7	3.2	5.8	20.6	8.3	7.8	9.1	25.6	15.7
5	27.7	15.6	8.3	8.3	3.8	3.0	8.4	2.0	3.5	9.9	27.7	18.8
6	29.6	16.7	7.7	10.4	5.6	1.8	4.9	1.9	4.3	7.1	27.6	16.1
7	27.8	8.5	18.9	11.8	5.1	1.8	3.0	2.1	5.5	3.0	30.6	20.3
8	25.4	13.3	15.5	10.1	3.1	2.2	5.7	3.0	5.9	3.5	37.3	12.5
9	30.5	22.0	13.6	11.0	2.5	2.5	6.0	5.3	6.7	2.7	28.2	23.3
10	35.0	23.2	13.9	8.3	3.6	2.3	4.0	7.2	5.2	5.8	31.6	39.4
11	45.0	39.0	14.7	7.0		3.7	4.4	11.5	3.0	6.4	21.3	25.5
12	48.2	69.3	22.7	7.0	3.5	3.8	6.4	13.5	3.4	10.3	14.6	18.5
13	46.1	62.1	18.3	3.4	5.2	2.0	6.9	11.1	2.3	7.2	16.6	28.1
14	53.1	14.6	18.8	3.1	5.4	3.3	7.9	9.9	3.1	11.9	31.6	10.1
15	12.8	15.0	14.4	3.6	5.7	5.4	4.2	6.7	2.8	13.2	32.6	14.2
16	10.8	20.1	20.9	3.7	1.8	3.3	5.3	5.0	3.5	12.0	14.1	24.0
17	13.0	11.0	22.0	2.7	3.8	4.6	6.0	7.6	2.3	6.7	27.8	37.4
18	15.3	10.8	18.5	3.2	3.5	6.7	4.7	6.6	2.2	9.1	10.9	28.9
19	10.6	13.1	12.0	3.2	2.8	7.2	2.5	7.4	2.6	5.7	10.9	12.5
20	10.4	16.7	21.8	4.7	5.6	5.5	3.4	6.6	4.0	7.1	9.2	10.6
21		46.1	27.1	6.2	3.7	7.3	7.5	3.4	5.7	18.2	25.8	19.2
22	24.0	28.9	19.5	4.4	2.0	6.5	6.1	1.6	6.2	10.4	40.6	16.7
23	30.9	14.5	7.0	6.8	4.0	5.3	7.6	1.9	7.1	9.6	18.3	37.0
24	17.4	24.6	10.7	7.6	4.0	6.9	9.4	2.3	6.0	8.6	17.2	50.0
25	10.2	8.1	8.6	11.0	4.0	4.6	6.8	2.1	5.5	7.8	10.2	33.6
26	9.8	9.2	5.0	9.1	6.9	2.9	6.7	2.5	3.7	8.7	10.8	16.0
27	10.8	7.1	6.7	7.5	3.0	4.5	8.9	2.8	5.9	11.7	10.3	37.6
28	17.8	7.9	8.7	5.9	2.4	5.0	10.9	4.2	10.1	16.9	9.8	54.8
29	33.0	7.1	15.9	6.5	2.6	6.4	14.4	5.2	3.5	17.2	12.8	18.4
30	9.6		3.0	8.7	2.7	6.7	9.9	4.5	5.5	11.8	15.4	10.7
31	8.8		12.8		6.0		6.8	5.1		13.0		16.1

MONTH												
NCAP	28	29	31	30	30	30	31	31	30	31	30	31
%CAP	90.3%	103.6%	100.0%	100.0%	96.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MEAN	24.6	19.5	13.7	8.4	4.3	4.6	6.9	5.6	4.9	9.3	20.2	22.5
MAX	53.1	69.3	27.1	24.2	9.9	7.3	20.6	13.5	10.1	18.2	40.6	54.8

QUARTER	Q1			Q2			Q3			Q4		
NCAP	88			90			92			92		
%CAP	97.8%			98.9%			100.0%			100.0%		
MEAN	19.1			5.7			5.8			17.2		

ANNUAL	Site Statistics										
NCAP	362	HIGH	69.3	6th	48.2	Year	2000	2001	2002	2003	2004
%NCAP	99.2%	2nd	62.1	7th	46.1	Annual Mean	13.1	13.8	14.0	12.3	12.0
YMEAN	11.94	3rd	54.8	8th	46.1	Annual High	74.2	95.7	80.3	69.0	69.3
QYMEAN	12.0	4th	53.1	9th	45.0	Annual 98 %-ile	52.0	59.5	55.4	53.3	46.1
98 %-ile	46	5th	50.0	10th	44.6	3 Year 98 %-ile	61	56	56	56	52