

# STANFIELD PM<sub>10</sub> 2014 TEOM Data

## 24 Hour Averages (ug/m<sup>3</sup>)

	January	February	March	April	May	June	July	August	September	October	November	December	
1	27.9	37.4	77.0	62.7	119.7	72.5	109.6	18.5	54.0	43.4	49.0	89.8	
2	36.3	28.0	7.5	54.0	96.8	66.9	96.2	16.3	69.5	51.9	36.1	156.7	
3	42.4	42.5	11.0	73.4	111.6	150.4	343.1	21.6	40.6	66.8	51.6	61.8	
4	44.3	29.3	12.3	49.0	53.0	72.9	31.8	34.3	145.7	59.2	63.5	9.8	
5	26.3	51.0	25.1	51.8	91.9	97.5	26.4	28.8	37.1	44.3	128.7	15.3	
6	42.5	45.8	31.3	45.5	166.5	121.0	61.1	42.1	141.8	76.1	80.6	17.4	
7	41.8	44.2	25.8	56.3	130.2	86.8	58.4	39.5	24.6	67.8	47.7	12.7	
8	48.1	31.1	32.4	79.5	58.3	103.2	162.9	42.5	10.4	18.2	90.9	21.3	
9	38.2	39.1	70.0	60.4	61.9	106.4	32.1	52.0	11.7	9.4	52.2	17.3	
10	41.3	43.5	49.4	99.7	51.3	83.6	27.8	80.6	15.7	15.9	51.9	25.5	
11	44.7	52.8	29.1	53.9	230.0	34.6	37.6	107.0	33.0	20.2	40.3	27.8	
12	30.5	70.2	55.2	71.9	46.8	52.7	125.6	25.8	46.4	16.8	48.5	26.1	
13	43.2	63.4	118.6	38.6	67.7	58.9	92.7	14.2	54.8	41.6	53.4	5.2	
14	40.9	81.6	48.7	103.4	289.8	94.4	27.0	18.3	27.4	35.2	49.2	7.3	
15	50.5	74.1	56.9	96.2	59.0	78.8	77.1	25.1	59.1	39.4	52.3	18.8	
16	40.8	54.8	40.2	79.1	73.9	156.7	41.1	31.2	16.8	47.7	100.4	19.4	
17	48.3	63.1	27.5	103.0	50.2	51.0	57.5	152.2	7.5	75.5	85.4	7.0	
18	48.0	70.4	68.4	75.3	42.6	104.2	35.1	18.5	15.8	59.9	107.8	5.2	
19	46.2	54.4	120.6	39.0	56.3	61.7	54.5	20.5	32.4	73.6	120.1	AV	
20	63.6	70.4	59.3	44.7	61.2	97.0	45.6	20.3	27.7	33.6	83.4	AV	
21	83.5	74.6	58.0	56.1	101.8	53.3	50.6	64.0	26.6	54.0	88.0	AV	
22	119.1	76.8	54.2	56.6	49.1	104.4	71.7	23.5	32.2	67.5	69.3	AV	
23	78.0	64.3	54.5	78.2	92.0	93.5	84.3	45.2	38.6	55.1	60.7	AV	
24	200.1	88.6	50.4	95.9	84.4	61.9	60.4	24.3	56.5	64.5	97.9	AV	
25	65.7	85.0	80.3	82.9	42.7	40.5	147.6	62.8	50.2	50.3	79.2	AV	
26	42.5	60.0	93.8	260.9	82.9	39.2	37.6	16.1	43.9	35.9	90.3	AV	
27	50.0	51.3	63.5	126.1	72.9	71.9	139.8	23.7	53.8	67.0	66.5	AV	
28	54.6	139.6	64.0	42.3	68.7	73.4	31.6	50.8	18.9	77.8	99.4	AV	
29	64.1		54.5	78.9	127.7	86.7	37.6	46.7	28.0	96.3	52.5	AV	
30	88.3		69.8	61.0	55.5	96.4	44.0	44.8	33.7	78.8	52.6	AV	
31	65.7		61.5		54.5		44.0	34.2		42.8		AV	
<b>1st quarter average</b>			56.8	<b>2nd quarter average</b>			82.4	<b>3rd quarter average</b>			52.1	<b>4th quarter average</b>	54.2
<b># of valid samples</b>			90	<b># of valid samples</b>			91	<b># of valid samples</b>			92	<b># of valid samples</b>	79
<b>% of samples collected</b>			100.00%	<b>% of samples collected</b>			100.00%	<b>% of samples collected</b>			100.00%	<b>% of samples collected</b>	85.87%
<b># of 24 hr exceedances</b>			1	<b># of 24 hr exceedances</b>			5	<b># of 24 hr exceedances</b>			2	<b># of 24 hr exceedances</b>	1

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### Corresponding Color Codings

### AQS Codings

<b>24 hour exceedances</b>	any sample > 154.5 ug/m <sup>3</sup>	
<b>PCAQCD Exceptional Event</b>	HIGH WIND EVENTS	
	HIGH WIND EVENTS - EPA CONCURRED.	### <sup>A</sup>
<b>Noise exceedences</b>	when the noise on the monitor invalidates the data & data recovery is <75%	AN
<b>Status out of range</b>	flow out of range for more than 1 hour	AH
	machine malfunction	AN
	shelter temperature out of range	AE
<b>General maintenance</b>	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	BA
<b>Negative data readings</b>	data readings > - 10.4 ug/m <sup>3</sup> or	AN
	Operator Error for more than 6 hours	BJ
<b>Power failures</b>	power outage for more than 6 hours	AV
<b>CAL / VER / AUDIT</b>	monitor is down to perform monthly verification or	AT
	annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AZ

<b>Annual Average (ug/m<sup>3</sup>) minus high wind events</b>	61.4
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<b>Total # of 24 hr Exceedances</b>	9
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<b>Maximum Reading</b>	343.1
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