

STANFIELD PM₁₀ 2009 TEOM Data

24 Hour Averages (ug/m³)

	January	February	March	April	May	June	July	August	September	October	November	December		
1	27.8	36.8	88.2	42.7	83.5	53.3	89.8	56.0	37.9	96.1	116.6	40.9		
2	33.4	59.8	89.7	57.7	75.6	59.9	25.8	71.5	36.2	83.2	94.3	83.4		
3	29.2	47.3	94.1	209.9	58.7	106.5	29.9	77.2	75.2	51.7	144.3	50.4		
4	17.0	56.4	68.6	57.1	85.5	57.1	23.8	139.9	31.0	139.2	120.0	55.5		
5	7.0	46.2	50.3	97.5	102.8	77.6	21.3	126.1	25.6	98.8	77.0	92.6		
6	15.5	38.0	45.7	54.5	68.2	74.6	37.6	62.8	26.2	85.7	124.3	64.1		
7	16.7	28.6	63.0	49.1	62.5	65.6	37.3	58.5	30.0	48.5	94.0	282.4		
8	22.3	4.8	65.2	69.4	107.3	41.8	85.4	75.7	25.6	46.5	51.6	66.6		
9	19.9	39.9	66.3	55.4	63.7	129.6	79.6	57.4	60.9	64.9	87.1	27.7		
10	23.8	8.6	70.5	166.8	92.9	33.6	123.9	96.0	67.0	122.7	106.0	40.5		
11	19.6	14.7	53.2	24.4	50.4	33.1	73.4	79.1	66.3	76.5	108.6	62.6		
12	37.6	16.5	66.4	27.1	101.3	34.0	62.7	315.3	72.5	54.5	55.9	48.8		
13	36.7	22.0	55.6	53.0	101.1	64.8	108.3	34.7	46.7	39.0	64.1	62.8		
14	39.7	16.9	64.6	43.2	77.4	71.1	46.3	29.1	55.0	60.8	25.9	28.5		
15	48.5	23.5	66.5	86.5	79.4	40.3	152.8	29.2	39.7	168.9	14.6	32.3		
16	58.9	22.6	94.6	81.6	54.5	67.6	51.0	50.5	67.3	82.2	33.1	74.3		
17	55.6	12.0	74.7	81.0	69.6	86.5	814.5	56.9	75.3	116.4	39.1	79.2		
18	48.2	18.9	79.0	85.6	45.1	84.0	179.0	55.8	68.4	74.3	48.3	65.2		
19	66.2	29.2	87.6	55.6	62.5	71.2	116.3	101.6	95.0	44.1	66.4	81.0		
20	67.0	36.9	97.7	126.2	38.4	29.7	286.3	85.4	76.9	60.2	102.6	55.0		
21	139.2	42.4	68.2	94.7	35.6	58.1	161.4	80.4	57.2	85.0	73.3	79.3		
22	19.8	50.7	196.8	44.4	24.1	77.9	57.3	21.0	114.4	90.8	45.2	148.0		
23	11.1	64.9	96.1	34.3	30.2	106.5	51.4	32.0	86.1	165.5	71.6	47.0		
24	8.6	52.9	77.9	47.6	41.7	59.9	40.2	141.3	91.5	70.7	59.6	44.2		
25	7.9	32.8	54.6	37.7	43.5	82.0	40.9	29.0	125.2	70.4	80.2	23.4		
26	28.9	60.4	209.6	104.5	54.2	44.1	47.0	39.2	125.4	143.3	77.7	43.3		
27	23.4	57.9	40.7	68.2	56.4	63.7	52.0	46.8	58.1	660.9	76.5	25.2		
28	32.0	64.2	57.3	55.3	73.2	54.4	77.5	68.6	92.6	83.7	103.0	44.5		
29	52.0		47.9	54.3	82.0	53.7	77.5	69.4	82.7	68.1	73.1	52.7		
30	34.0		57.6	75.7	72.7	98.7	66.9	97.6	109.0	147.1	119.7	40.2		
31	42.4		76.0		91.9		56.1	134.8		157.2		43.3		
1st quarter average	50.2		2nd quarter average			68.2		3rd quarter average		82.8		4th quarter average	83.6	
# of valid samples	90		# of valid samples			91		# of valid samples		92		# of valid samples		92
% of samples collected	100.00%		% of samples collected			100.00%		% of samples collected		100.00%		% of samples collected		100.00%
# of 24 hr exceedances	2		# of 24 hr exceedances			2		# of 24 hr exceedances		5		# of 24 hr exceedances		5

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Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 154.5 ug/m ³	
PCAQCD Exceptional Event	HIGH WIND EVENTS	
	HIGH WIND EVENTS - EPA CONCURRED.	### ^A
Noise exceedences	when the noise on the monitor invalidates the data & data recovery is <75%	AN
Status flow out of range	flow out of range for more than 1 hour	AH
	status codes other than 0 for more than 1 hour	AN
General maintenance	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	BA
Negative data readings	data readings > - 10.4 ug/m ³ or	AN
	Operator Error for more than 6 hours	BJ
Power failures	power outage for more than 6 hours	AV
CAL / VER / AUDIT	monitor is down to perform monthly verification or	AT
	annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AZ

Annual Average (ug/m³)	71.2
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Total # of 24 hr Exceedances	14
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Maximum Reading	814.55
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