

# COWTOWN PM<sub>10</sub> 2009 TEOM Data

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

	January	February	March	April	May	June	July	August	September	October	November	December
1	37.9	111.2	64.6	100.3	100.1	130.6	65.5	122.6	44.7	171.9	212.9	76.2
2	53.6	90.5	140.0	71.1	92.9	AN	64.3	82.3	73.9	136.6	155.4	74.5
3	30.8	128.6	106.7	199.4	67.0	AN	63.7	125.0	426.2	52.9	153.1	79.8
4	28.5	205.2	77.7	95.5	108.5	AN	16.4	199.6	34.0	98.1	286.1	70.8
5	21.9	182.6	77.2	72.5	131.1	108.5	24.1	158.7	23.4	242.4	136.5	121.5
6	31.1	78.3	103.0	71.1	135.5	101.7	53.7	114.2	26.5	146.9	189.6	50.1
7	27.3	59.0	72.9	109.6	104.1	92.0	45.2	112.7	27.5	87.3	121.9	305.9
8	31.1	9.8	125.1	105.4	109.1	117.6	60.7	90.3	43.5	176.9	62.0	48.0
9	45.4	33.7	55.1	74.0	110.3	112.4	60.0	81.5	58.3	107.0	98.9	29.1
10	24.4	14.8	78.0	94.9	119.5	57.0	128.5	122.1	55.9	101.2	137.7	39.4
11	39.3	22.2	97.2	21.4	114.0	87.5	98.9	159.8	87.3	193.8	163.9	67.1
12	55.0	53.8	78.3	44.0	113.8	88.6	131.0	235.3	60.6	92.1	165.1	54.6
13	53.8	40.4	86.2	38.6	160.1	117.8	130.2	35.2	51.6	108.2	102.1	36.8
14	60.1	34.5	86.2	70.3	111.1	154.2	84.5	38.0	79.3	71.2	64.9	37.4
15	96.6	40.3	67.1	138.4	90.8	87.0	74.1	92.1	89.1	155.4	31.2	70.5
16	145.1	57.9	62.6	57.9	168.2	154.8	65.9	52.0	91.3	226.2	43.1	76.1
17	135.8	23.4	124.2	67.5	98.8	115.9	631.0	124.5	108.2	91.1	114.8	87.5
18	76.5	26.5	112.3	92.5	72.2	131.0	252.1	148.0	57.6	88.0	90.2	126.9
19	42.2	40.7	82.8	179.5	90.5	103.0	87.2	86.8	97.9	133.1	92.7	79.6
20	64.3	43.1	132.8	136.7	73.6	59.9	300.0	96.3	115.1	144.5	98.8	83.7
21	93.8	45.1	82.6	84.3	43.9	119.8	268.3	204.7	128.7	212.8	72.4	111.1
22	20.0	50.2	332.1	118.1	23.7	106.8	79.6	21.4	69.7	135.0	73.8	114.4
23	22.7	82.3	134.4	84.0	23.9	151.2	65.4	45.1	111.1	235.1	163.7	60.3
24	19.7	80.0	75.7	138.8	57.0	135.3	59.0	91.1	184.4	141.7	125.6	24.5
25	20.7	66.7	94.0	157.3	119.0	104.8	53.0	AN	210.9	163.8	88.6	23.3
26	77.0	74.8	224.6	156.7	105.7	135.8	46.4	AN	212.8	178.7	97.9	36.6
27	74.4	72.2	79.7	159.4	77.9	118.4	90.8	123.3	130.8	626.3	98.3	49.1
28	108.1	71.7	109.3	96.8	82.0	76.5	141.4	479.1	154.1	242.3	108.9	46.2
29	59.7		94.1	129.9	98.5	81.8	122.5	135.6	118.8	219.2	71.6	57.6
30	82.3		158.3	124.6	82.2	96.5	114.6	152.2	242.0	174.9	55.6	57.0
31	134.1		85.5		165.2		88.5	224.8		174.6		31.8
<b>1st quarter average</b>			77.3	<b>2nd quarter average</b>		103.3	<b>3rd quarter average</b>		117.1	<b>4th quarter average</b>		117.8
<b># of valid samples</b>			90	<b># of valid samples</b>		88	<b># of valid samples</b>		90	<b># of valid samples</b>		92
<b>% of samples collected</b>			100.00%	<b>% of samples collected</b>		96.70%	<b>% of samples collected</b>		97.83%	<b>% of samples collected</b>		100.00%
<b># of 24 hr exceedances</b>			5	<b># of 24 hr exceedances</b>		9	<b># of 24 hr exceedances</b>		16	<b># of 24 hr exceedances</b>		23

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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 exceedances</b>	when the noise on the monitor invalidates the data & data recovery is <75%	AN
<b>Status flow out of range</b>	flow out of range for more than 1 hour	AH
	status codes other than 0 for more than 1 hour	AN
<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 Operator Error for more than 6 hours	AN
		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 annual system calibrations or QC Audit (ADEQ) for more than 1 hour	AT
		AT
		AZ
<b>Construction in near vicinity to monitor</b>	AQS code for Information Only	J

<b>Annual Average (ug/m<sup>3</sup>)</b>	103.9
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<b>Total # of 24 hr Exceedances</b>	53
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<b>Maximum Reading</b>	631.05
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