

# HIDDEN VALLEY PM2.5 2016 BAM 1020 Data

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

	Approved Data					Peliminary Data						
	January	February	March	April	May	June	July	August	September	October	November	December
1	BE	4.5	9.2	9.7	9.7	8.9	AN	AN	10.4	7.3	11.0	6.0
2	BE	1.8	6.8	10.1	7.6	10.5	12.7	3.6	9.6	4.5	9.2	BA
3	BE	3.7	12.6	16.6	6.6	24.0	7.6	AN	9.6	3.7	5.5	BA
4	BE	5.1	14.3	14.5	18.2	12.0	9.1	6.6	12.0	10.2	5.2	BA
5	BE	3.8	14.8	9.1	11.6	22.9	17.8	7.5	12.1	8.1	9.6	BA
6	BE	2.8	14.4	18.8	4.9	34.4	8.0	10.1	10.1	10.5	6.0	BA
7	BE	3.2	14.3	16.0	3.5	23.5	10.4	10.5	AN	9.3	7.8	7.7
8	BE	4.0	7.1	4.5	3.8	35.1	14.1	13.2	3.6	12.6	8.4	10.3
9	7.8	AE	14.7	2.9	3.7	36.0	18.5	9.4	AN	8.0	8.5	10.6
10	7.0	5.3	10.8	2.5	6.6	17.0	14.3	AN	8.6	12.3	11.1	13.4
11	6.0	12.0	5.7	4.5	11.7	8.7	18.4	AN	8.1	9.8	6.2	8.5
12	6.4	9.3	9.7	3.5	22.6	9.2	10.6	AN	6.2	17.5	8.8	7.2
13	7.8	8.0	7.1	5.6	21.6	17.7	16.2	17.5	7.3	17.7	7.2	8.0
14	8.9	7.2	10.7	6.9	10.6	16.1	10.7	9.7	6.9	12.2	17.2	8.8
15	7.0	7.4	11.5	8.8	8.2	11.3	10.5	10.2	19.6	13.0	12.6	9.7
16	AN	4.5	10.5	2.9	9.5	16.2	11.4	17.3	19.0	11.6	16.6	6.7
17	AN	8.4	18.1	6.7	13.3	39.0	23.8	19.2	21.9	10.4	10.9	12.2
18	AN	6.4	13.6	3.4	7.2	10.9	17.0	11.5	22.1	10.2	8.5	8.0
19	16.8	9.0	15.5	9.5	13.6	12.7	6.6	12.5	27.2	7.0	9.6	4.5
20	11.3	8.6	15.5	17.9	9.5	30.3	AN	13.1	5.0	10.4	7.9	7.5
21	5.5	5.0	17.7	18.5	8.3	28.1	25.5	4.5	5.6	14.2	2.6	7.9
22	6.3	6.0	14.4	15.2	7.4	34.0	31.2	4.8	AN	15.0	7.2	2.2
23	6.3	4.5	10.5	8.2	15.2	46.2	12.2	4.5	10.7	15.9	9.0	4.0
24	AN	6.7	15.2	12.2	9.5	39.8	20.3	18.7	12.1	18.1	5.0	AN
25	5.5	6.7	27.7	11.6	12.3	14.6	11.2	13.7	5.8	9.4	5.1	2.9
26	3.3	12.5	18.4	13.7	12.6	17.4	23.1	6.7	22.3	13.5	3.8	7.5
27	3.2	12.5	16.1	11.9	14.4	31.3	19.2	12.0	12.1	29.0	2.9	7.0
28	8.0	8.5	16.2	9.9	11.2	23.8	9.1	7.0	4.2	17.7	3.8	9.6
29	8.7	14.5	11.2	10.1	9.2	17.0	5.6	9.4	4.5	16.5	3.0	11.8
30	7.3		5.7	12.7	15.3	32.2	0.0	14.8	5.7	12.6	4.4	4.7
31	7.6		5.9		17.0		0.0	12.2		15.0		5.6
<b>1st quarter average</b>			9.3	<b>2nd quarter average</b>		14.5	<b>3rd quarter average</b>		11.9	<b>4th quarter average</b>		9.4
<b># of valid samples</b>			77	<b># of valid samples</b>		91	<b># of valid samples</b>		82	<b># of valid samples</b>		86
<b>% of samples collected</b>			85.56%	<b>% of samples collected</b>		100.00%	<b>% of samples collected</b>		89.13%	<b>% of samples collected</b>		93.48%
<b># of 24 hr exceedances</b>			0	<b># of 24 hr exceedances</b>		4	<b># of 24 hr exceedances</b>		0	<b># of 24 hr exceedances</b>		0

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### Corresponding Color Codings

### AQS Codings

<b>24 hour exceedances</b>	any sample > 35.0 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 machine malfunction shelter temperature out of range	AH AN AE
<b>General maintenance</b>	monitor is down for general maintenance activities or filter exchanges for more than 1 hour Building/Site repair	BA BA BE
<b>Negative data readings</b>	Data recovery is <75% due to Negative values Operator Error for more than 6 hours	AN BJ
<b>Power failures/Vandalism</b>	power outage for more than 6 hours Vandalism	AV AP
<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

Annual Average (ug/m <sup>3</sup> ) minus high wind events	11.3
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Total # of 24 hr Exceedances	4
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Maximum Reading	46.2
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