

Lafarge Stoney Trailer Hourly Average Data

| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Degrees | Wind Direction Sector | Sound dbA | TSP ug/m3 | PM2.5 ug/m3 | Rainfall of the hour mm | Sound Alarm 1=Alarm 0=No Alarm | TSP Alarm 1=Alarm 0=No Alarm | PM2.5 Alarm 1=Alarm 0=No Alarm |
|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 19-Mar-12 | 800 | 20.4 | 324 | NW | 57.3 | 86.8 | 28.6 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 900 | 22.1 | 323 | NW | 55.5 | 53.8 | 19.5 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1000 | 18.5 | 339 | NNW | 55.9 | 57.4 | 17.8 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1100 | 18.8 | 336 | NNW | 54.7 | 48.7 | 17.4 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1200 | 19.1 | 331 | NNW | 54.0 | 57.4 | 11.4 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1300 | 17.4 | 336 | NNW | 54.1 | 43.3 | 13.1 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1400 | 21.0 | 349 | NNW | 55.7 | 37.8 | 7.1 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1500 | 24.3 | 359 | NNW | 56.6 | 22.0 | 10.1 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1600 | 25.4 | 0 | N | 56.3 | 16.9 | 6.1 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1700 | 24.4 | 3 | N | 55.0 | 24.2 | 5.9 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1800 | 17.4 | 1 | N | 51.5 | 19.5 | 4.9 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 1900 | 16.7 | 360 | NNW | 51.4 | 15.1 | 4.4 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 2000 | 8.0 | 306 | NW | 51.3 | 25.7 | 6.6 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 2100 | 8.2 | 4 | N | 50.7 | 23.0 | 5.6 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 2200 | 6.4 | 198 | SSW | 51.1 | 80.2 | 20.9 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 2300 | 5.4 | 223 | SW | 46.7 | 34.2 | 12.8 | 0 | 0 | 0 | 0 |
| 19-Mar-12 | 2400 | 7.4 | 183 | S | 46.0 | 69.3 | 14.7 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 100 | 9.9 | 233 | SW | 49.4 | 15.4 | 8.9 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 200 | 12.0 | 246 | WSW | 51.3 | 3.7 | 1.0 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 300 | 15.1 | 249 | WSW | 49.9 | 3.3 | 2.2 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 20-Mar-12 | 400 | 15.0 | 255 | WSW | 49.5 | 2.1 | 0.9 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 500 | 9.3 | 236 | SW | 48.7 | 2.3 | 0.8 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 600 | 11.2 | 205 | SSW | 51.9 | 8.1 | 2.7 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 700 | 11.5 | 185 | S | 54.4 | 20.7 | 7.7 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 800 | 10.1 | 178 | S | 55.0 | 25.8 | 8.3 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 900 | 11.4 | 180 | S | 53.7 | 19.6 | 3.5 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1000 | 14.4 | 177 | S | 54.3 | 29.0 | 13.0 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1100 | 15.1 | 187 | S | 54.0 | 7.5 | 3.6 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1200 | 13.4 | 176 | S | 54.4 | 5.1 | 2.3 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1300 | 19.7 | 256 | WSW | 54.7 | 9.1 | 3.0 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1400 | 35.5 | 263 | W | 64.5 | 2.7 | 0.6 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1500 | 30.7 | 253 | WSW | 59.7 | 1.5 | 0.5 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1600 | 28.7 | 253 | WSW | 58.0 | 28.0 | 12.8 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1700 | 28.5 | 253 | WSW | 58.2 | 2.4 | 1.1 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1800 | 23.2 | 251 | WSW | 54.5 | 1.8 | 0.3 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 1900 | 19.5 | 251 | WSW | 51.8 | 1.7 | 0.6 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 2000 | 17.9 | 240 | WSW | 50.7 | 1.4 | 1.0 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 2100 | 22.3 | 238 | WSW | 51.9 | 1.6 | 0.4 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 2200 | 19.5 | 236 | WSW | 50.7 | 1.8 | 1.4 | 0 | 0 | 0 | 0 |
| 20-Mar-12 | 2300 | 24.9 | 237 | WSW | 54.5 | 1.6 | 1.0 | 0 | 0 | 0 | 0 |

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| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Degrees | Wind Direction Sector | Sound dbA | TSP ug/m3 | PM2.5 ug/m3 | Rainfall of the hour mm | Sound Alarm 1=Alarm 0=No Alarm | TSP Alarm 1=Alarm 0=No Alarm | PM2.5 Alarm 1=Alarm 0=No Alarm |
|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| <u>Alarms</u> | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 20-Mar-12 | 2400 | 25.6 | 247 | WSW | 54.9 | 2.3 | 0.6 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 100 | 23.4 | 247 | WSW | 52.9 | 1.6 | 1.1 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 200 | 22.3 | 234 | SW | 51.6 | 3.6 | 2.1 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 300 | 20.3 | 228 | SW | 50.7 | 1.3 | 0.5 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 400 | 21.3 | 248 | WSW | 53.1 | 2.2 | 1.1 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 500 | 23.8 | 250 | WSW | 54.0 | 1.2 | 0.5 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 600 | 21.4 | 248 | WSW | 51.3 | 1.8 | 1.1 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 700 | 22.5 | 241 | WSW | 53.7 | 3.1 | 0.8 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 800 | 22.0 | 236 | SW | 53.9 | 4.1 | 1.8 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 900 | 23.5 | 244 | WSW | 54.7 | 5.2 | 1.4 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1000 | 28.7 | 250 | WSW | 58.2 | 7.4 | 1.8 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1100 | 28.8 | 252 | WSW | 58.0 | 1.1 | 0.4 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1200 | 29.8 | 272 | W | 59.4 | 3.7 | 1.7 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1300 | 27.4 | 251 | WSW | 57.9 | 1.9 | 0.4 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1400 | 27.6 | 247 | WSW | 57.0 | 2.9 | 0.6 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1500 | 27.2 | 266 | W | 56.9 | 2.0 | 1.1 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1600 | 22.5 | 266 | W | 52.9 | 1.0 | 0.9 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1700 | 18.8 | 265 | W | 53.6 | 1.3 | 0.4 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1800 | 18.9 | 258 | WSW | 51.0 | 2.2 | 0.5 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 1900 | 15.8 | 269 | W | 50.7 | 5.8 | 2.3 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 21-Mar-12 | 2000 | 11.5 | 285 | WNW | 50.2 | 1.6 | 1.0 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 2100 | 9.1 | 295 | WNW | 51.2 | 37.8 | 5.7 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 2200 | 5.1 | 311 | NW | 53.3 | 159.4 | 31.6 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 2300 | 5.4 | 322 | NW | 52.5 | 118.6 | 24.2 | 0 | 0 | 0 | 0 |
| 21-Mar-12 | 2400 | 4.3 | 287 | WNW | 51.5 | 153.3 | 38.2 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 100 | 4.5 | 223 | SW | 48.8 | 45.3 | 14.1 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 200 | 3.7 | 26 | NNE | 46.4 | 161.2 | 35.0 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 300 | 3.7 | 148 | SSE | 46.1 | 49.8 | 7.4 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 400 | 7.4 | 86 | E | 44.5 | 42.6 | 9.3 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 500 | 8.9 | 94 | E | 47.9 | 35.4 | 6.5 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 600 | 13.1 | 125 | SE | 50.3 | 4.8 | 1.2 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 700 | 4.4 | 71 | ENE | 53.5 | 3.5 | 1.5 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 800 | 7.8 | 83 | E | 63.2 | 5.4 | 2.6 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 900 | 6.5 | 62 | ENE | 58.7 | 5.2 | 2.8 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1000 | 8.4 | 17 | NNE | 56.5 | 8.8 | 8.1 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1100 | 10.1 | 359 | NNW | 55.3 | 2.9 | 1.3 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1200 | 10.3 | 25 | NNE | 55.8 | 4.0 | 1.3 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1300 | 10.1 | 41 | NE | 55.9 | 2.8 | 1.8 | 0.2 | 0 | 0 | 0 |
| 22-Mar-12 | 1400 | 7.9 | 325 | NW | 53.3 | 15.9 | 7.1 | 0.1 | 0 | 0 | 0 |
| 22-Mar-12 | 1500 | 11.1 | 340 | NNW | 53.2 | 4.9 | 1.7 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 22-Mar-12 | 1600 | 8.0 | 322 | NW | 53.4 | 8.5 | 5.9 | 0.1 | 0 | 0 | 0 |
| 22-Mar-12 | 1700 | 11.8 | 337 | NNW | 52.7 | 4.6 | 2.8 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1800 | 16.7 | 353 | NNW | 52.8 | 5.6 | 4.1 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 1900 | 15.0 | 352 | NNW | 54.1 | 13.2 | 12.5 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 2000 | 13.3 | 349 | NNW | 52.5 | 13.6 | 6.8 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 2100 | 12.5 | 352 | NNW | 51.0 | 14.2 | 5.8 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 2200 | 10.8 | 5 | N | 52.1 | 12.1 | 9.2 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 2300 | 5.4 | 332 | NNW | 50.3 | 60.8 | 19.2 | 0 | 0 | 0 | 0 |
| 22-Mar-12 | 2400 | 8.5 | 348 | NNW | 51.1 | 21.1 | 10.7 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 100 | 16.3 | 359 | NNW | 52.0 | 22.1 | 7.2 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 200 | 13.7 | 347 | NNW | 48.1 | 45.5 | 10.7 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 300 | 9.8 | 332 | NNW | 46.2 | 34.6 | 10.8 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 400 | 7.4 | 354 | NNW | 44.8 | 37.4 | 13.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 500 | 5.2 | 39 | NE | 46.9 | N/A | 29.8 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 600 | 7.4 | 38 | NE | 51.2 | N/A | 23.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 700 | 7.9 | 18 | NNE | 55.5 | 50.9 | 17.9 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 800 | 7.7 | 33 | NNE | 57.3 | 60.0 | 18.7 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 900 | 9.0 | 33 | NNE | 56.3 | 60.4 | 20.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1000 | 10.8 | 35 | NE | 57.2 | 83.5 | 30.6 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1100 | 12.4 | 40 | NE | 57.2 | 94.1 | 38.7 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| <u>Alarms</u> | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 23-Mar-12 | 1200 | 14.2 | 27 | NNE | 57.4 | 51.8 | 22.3 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1300 | 11.7 | 28 | NNE | 57.2 | 42.1 | 16.6 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1400 | 14.5 | 20 | NNE | 56.8 | 39.8 | 22.5 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1500 | 12.6 | 33 | NNE | 54.7 | 36.4 | 15.7 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1600 | 12.9 | 27 | NNE | 53.7 | 42.1 | 20.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1700 | 11.9 | 43 | NE | 53.7 | 40.4 | 20.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1800 | 11.3 | 46 | NE | 52.4 | 36.1 | 11.8 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 1900 | 8.8 | 47 | NE | 52.4 | 36.4 | 10.5 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 2000 | 7.5 | 40 | NE | 50.8 | 27.5 | 9.7 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 2100 | 6.7 | 48 | NE | 48.7 | 28.4 | 12.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 2200 | 5.4 | 27 | NNE | 51.4 | 35.5 | 16.1 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 2300 | 5.1 | 14 | NNE | 49.6 | 30.7 | 15.8 | 0 | 0 | 0 | 0 |
| 23-Mar-12 | 2400 | 4.9 | 37 | NE | 47.2 | 39.2 | 18.8 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 100 | 3.7 | 72 | ENE | 45.1 | 37.9 | 19.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 200 | 5.1 | 103 | ESE | 45.8 | 51.8 | 21.0 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 300 | 7.6 | 152 | SSE | 45.1 | 73.1 | 29.7 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 400 | 10.6 | 163 | SSE | 44.6 | 92.0 | 35.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 500 | 12.0 | 178 | S | 46.7 | 88.4 | 33.1 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 600 | 9.7 | 201 | SSW | 48.6 | 99.1 | 43.1 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 700 | 11.3 | 215 | SW | 48.2 | 116.2 | 51.2 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 24-Mar-12 | 800 | 12.7 | 213 | SSW | 49.6 | 99.4 | 41.4 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 900 | 12.1 | 216 | SW | 49.7 | 95.4 | 38.0 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1000 | 15.1 | 207 | SSW | 51.2 | 74.2 | 28.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1100 | 11.4 | 209 | SSW | 50.3 | 79.0 | 24.0 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1200 | 12.8 | 178 | S | 51.4 | 77.8 | 33.0 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1300 | 13.7 | 164 | SSE | 50.9 | 82.5 | 34.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1400 | 12.4 | 155 | SSE | 51.1 | 74.6 | 26.9 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1500 | 15.0 | 146 | SSE | 51.4 | 75.1 | 34.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1600 | 17.9 | 153 | SSE | 52.7 | 73.9 | 26.4 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1700 | 19.3 | 151 | SSE | 53.6 | 74.2 | 29.8 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1800 | 20.6 | 158 | SSE | 54.0 | 79.8 | 42.1 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 1900 | 19.5 | 161 | SSE | 52.9 | 67.4 | 26.6 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 2000 | 18.6 | 167 | SSE | 51.6 | 51.2 | 20.3 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 2100 | 19.5 | 174 | S | 52.8 | 53.3 | 22.2 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 2200 | 21.9 | 177 | S | 55.2 | 47.4 | 19.2 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 2300 | 18.2 | 174 | S | 50.9 | 52.5 | 23.7 | 0 | 0 | 0 | 0 |
| 24-Mar-12 | 2400 | 17.6 | 180 | S | 50.4 | 50.9 | 19.8 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 100 | 14.2 | 183 | S | 46.8 | 41.3 | 16.3 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 200 | 10.1 | 185 | S | 43.8 | 29.9 | 10.4 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 300 | 7.6 | 181 | S | 40.2 | 30.3 | 9.1 | 0 | 0 | 0 | 0 |

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|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Alarms | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 25-Mar-12 | 400 | 7.7 | 182 | S | 40.5 | 22.7 | 6.5 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 500 | 8.8 | 176 | S | 42.2 | 13.3 | 3.6 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 600 | 8.6 | 190 | S | 43.2 | 17.2 | 6.9 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 700 | 8.0 | 208 | SSW | 44.8 | 12.9 | 4.7 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 800 | 10.6 | 204 | SSW | 46.3 | 13.0 | 5.6 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 900 | 10.7 | 177 | S | 47.1 | 5.9 | 1.4 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1000 | 12.3 | 164 | SSE | 48.7 | 10.7 | 3.0 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1100 | 13.4 | 170 | S | 50.6 | 39.4 | 16.3 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1200 | 17.4 | 166 | SSE | 52.4 | 58.9 | 22.0 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1300 | 19.3 | 166 | SSE | 52.7 | 121.7 | 48.8 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1400 | 17.3 | 168 | SSE | 52.1 | 123.1 | 49.2 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1500 | 21.0 | 172 | S | 54.6 | 70.2 | 27.1 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1600 | 22.0 | 172 | S | 55.4 | 48.7 | 21.0 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1700 | 18.9 | 174 | S | 53.0 | 44.1 | 15.8 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1800 | 22.7 | 172 | S | 56.4 | 30.3 | 10.8 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 1900 | 24.5 | 179 | S | 58.7 | 34.3 | 17.6 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 2000 | 25.3 | 175 | S | 60.2 | 15.7 | 6.0 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 2100 | 23.1 | 171 | S | 56.7 | 28.1 | 14.8 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 2200 | 16.3 | 178 | S | 49.5 | 34.6 | 20.0 | 0 | 0 | 0 | 0 |
| 25-Mar-12 | 2300 | 15.6 | 197 | SSW | 48.6 | 33.9 | 10.0 | 0 | 0 | 0 | 0 |

Lafarge Stoney Trailer Hourly Average Data

| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Degrees | Wind Direction Sector | Sound dbA | TSP ug/m3 | PM2.5 ug/m3 | Rainfall of the hour mm | Sound Alarm 1=Alarm 0=No Alarm | TSP Alarm 1=Alarm 0=No Alarm | PM2.5 Alarm 1=Alarm 0=No Alarm |
|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| <u>Alarms</u> | | | | | | | | | | | |
| PM2.5 | | 1 Hour Average – 80 ug/m3 | | | | | | | | | |
| TSP | | 1 Hour Average – 267 ug/m3 | | | | | | | | | |
| Sound alarm | | 1 Hour Average – 85 dba | | | | | | | | | |
| All Times are Mountain Standard Time | | | | | | | | | | | |
| 25-Mar-12 | 2400 | 13.5 | 217 | SW | 45.6 | 15.4 | 3.2 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 100 | 10.0 | 246 | WSW | 48.3 | 31.8 | 12.6 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 200 | 11.9 | 265 | W | 48.3 | 55.6 | 20.0 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 300 | 19.0 | 328 | NNW | 49.5 | 51.2 | 23.0 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 400 | 18.1 | 337 | NNW | 47.7 | 47.8 | 22.3 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 500 | 10.3 | 3 | N | 48.5 | 52.5 | 19.9 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 600 | 22.7 | 1 | N | 57.2 | 80.1 | 35.4 | 0 | 0 | 0 | 0 |
| 26-Mar-12 | 700 | 21.0 | 354 | NNW | 58.4 | 115.6 | 46.8 | 0 | 0 | 0 | 0 |