

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 | | | | | | | | | | | |
| 03-Oct-11 | 800 | 6.6 | 209 | SSW | 60.2 | 70.2 | 25.2 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 900 | 8.6 | 194 | SSW | 59.4 | 62.2 | 26.0 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1000 | 12.7 | 178 | S | 58.9 | 64.6 | 24.7 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1100 | 12.5 | 167 | SSE | 58.1 | 80.9 | 34.1 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1200 | 14.3 | 159 | SSE | 57.7 | 83.6 | 34.1 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1300 | 14.0 | 149 | SSE | 56.5 | 87.1 | 31.6 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1400 | 17.0 | 153 | SSE | 56.8 | 113.4 | 38.6 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1500 | 19.0 | 153 | SSE | 57.6 | 90.6 | 29.6 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1600 | 22.0 | 146 | SE | 57.0 | 71.8 | 23.2 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1700 | 19.6 | 142 | SE | 55.3 | 51.2 | 22.0 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1800 | 16.3 | 147 | SSE | 52.9 | 59.6 | 20.4 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 1900 | 21.9 | 152 | SSE | 54.3 | 72.0 | 23.0 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 2000 | 20.0 | 161 | SSE | 53.6 | 80.9 | 24.0 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 2100 | 16.2 | 178 | S | 50.9 | 59.0 | 15.8 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 2200 | 15.7 | 185 | S | 50.0 | 36.4 | 21.2 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 2300 | 16.4 | 201 | SSW | 49.7 | 31.6 | 14.4 | 0 | 0 | 0 | 0 |
| 03-Oct-11 | 2400 | 12.8 | 213 | SSW | 46.6 | 29.1 | 11.7 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 100 | 11.7 | 220 | SW | 46.5 | 25.7 | 9.3 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 200 | 11.4 | 211 | SSW | 47.1 | 26.1 | 9.0 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 300 | 12.6 | 169 | S | 46.2 | 25.1 | 9.5 | 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 | | | | | | | | | | | |
| 04-Oct-11 | 400 | 11.7 | 179 | S | 48.2 | 21.7 | 7.3 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 500 | 9.2 | 213 | SSW | 49.4 | 21.7 | 7.7 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 600 | 9.0 | 200 | SSW | 53.7 | 24.6 | 7.0 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 700 | 10.5 | 246 | WSW | 58.1 | 25.7 | 9.0 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 800 | 5.3 | 246 | WSW | 59.2 | 182.3 | 45.4 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 900 | 6.3 | 238 | WSW | 56.4 | 50.0 | 14.1 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1000 | 7.9 | 231 | SW | 57.6 | 20.6 | 6.2 | 0.2 | 0 | 0 | 0 |
| 04-Oct-11 | 1100 | 5.8 | 223 | SW | 58.2 | 11.8 | 3.2 | 0.3 | 0 | 0 | 0 |
| 04-Oct-11 | 1200 | 11.4 | 167 | SSE | 56.1 | 38.4 | 17.9 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1300 | 13.0 | 212 | SSW | 54.4 | 37.0 | 13.1 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1400 | 8.8 | 216 | SW | 54.1 | 19.0 | 10.3 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1500 | 7.0 | 228 | SW | 54.3 | 20.2 | 10.1 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1600 | 11.0 | 242 | WSW | 52.4 | 6.5 | 3.2 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1700 | 8.2 | 160 | SSE | 53.4 | 7.6 | 2.5 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 1800 | 15.0 | 182 | S | 51.9 | 5.7 | 2.5 | 0.1 | 0 | 0 | 0 |
| 04-Oct-11 | 1900 | 13.9 | 204 | SSW | 51.6 | 4.6 | 2.6 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 2000 | 13.2 | 207 | SSW | 50.5 | 6.4 | 3.2 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 2100 | 16.1 | 214 | SW | 50.3 | 2.0 | 1.3 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 2200 | 15.7 | 223 | SW | 48.9 | 2.6 | 1.6 | 0 | 0 | 0 | 0 |
| 04-Oct-11 | 2300 | 11.0 | 266 | W | 47.0 | 4.6 | 2.5 | 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 | | | | | | | | | | | |
| 04-Oct-11 | 2400 | 8.7 | 355 | NNW | 48.7 | 17.0 | 4.1 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 100 | 9.5 | 21 | NNE | 48.2 | 41.8 | 12.4 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 200 | 9.2 | 29 | NNE | 47.4 | 100.0 | 31.2 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 300 | 12.0 | 340 | NNW | 49.3 | 102.6 | 25.4 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 400 | 13.3 | 333 | NNW | 49.4 | 68.1 | 11.5 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 500 | 12.2 | 331 | NNW | 49.6 | 76.7 | 23.7 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 600 | 10.6 | 321 | NW | 54.4 | 72.5 | 27.3 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 700 | 9.9 | 314 | NW | 57.9 | 84.7 | 26.4 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 800 | 8.2 | 283 | WNW | 59.4 | 45.1 | 16.4 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 900 | 11.0 | 324 | NW | 59.3 | 22.9 | 7.5 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1000 | 10.2 | 4 | N | 58.8 | 88.6 | 39.7 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1100 | 11.2 | 12 | NNE | 58.6 | 90.2 | 37.7 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1200 | 12.7 | 27 | NNE | 58.7 | 52.4 | 17.1 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1300 | 14.7 | 19 | NNE | 58.5 | 53.6 | 20.8 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1400 | 14.6 | 19 | NNE | 58.8 | 50.6 | 19.4 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1500 | 16.7 | 21 | NNE | 59.1 | 73.8 | 28.3 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1600 | 18.4 | 20 | NNE | 58.3 | 92.5 | 32.7 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1700 | 18.7 | 16 | NNE | 56.8 | 130.4 | 50.1 | 0 | 0 | 0 | 0 |
| 05-Oct-11 | 1800 | 15.7 | 12 | NNE | 53.1 | 174.7 | 67.5 | 0.3 | 0 | 0 | 0 |
| 05-Oct-11 | 1900 | 18.3 | 7 | N | 50.4 | 138.2 | 48.1 | 0.2 | 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 | | | | | | | | | | | |
| 05-Oct-11 | 2000 | 19.6 | 5 | N | 50.5 | 98.2 | 30.1 | 0.1 | 0 | 0 | 0 |
| 05-Oct-11 | 2100 | 21.5 | 7 | N | 50.8 | 35.1 | 6.4 | 0.2 | 0 | 0 | 0 |
| 05-Oct-11 | 2200 | 21.2 | 10 | N | 51.1 | 51.6 | 18.4 | 0.1 | 0 | 0 | 0 |
| 05-Oct-11 | 2300 | 19.6 | 5 | N | 49.7 | 28.5 | 5.3 | 0.2 | 0 | 0 | 0 |
| 05-Oct-11 | 2400 | 14.5 | 350 | NNW | 48.6 | 54.6 | 14.9 | 0.8 | 0 | 0 | 0 |
| 06-Oct-11 | 100 | 15.6 | 353 | NNW | 48.9 | 48.7 | 17.8 | 0.7 | 0 | 0 | 0 |
| 06-Oct-11 | 200 | 14.6 | 343 | NNW | 49.1 | 27.8 | 11.0 | 0.9 | 0 | 0 | 0 |
| 06-Oct-11 | 300 | 19.6 | 349 | NNW | 54.2 | 19.9 | 4.7 | 0.2 | 0 | 0 | 0 |
| 06-Oct-11 | 400 | 23.0 | 356 | NNW | 56.1 | 57.9 | 23.0 | 0.2 | 0 | 0 | 0 |
| 06-Oct-11 | 500 | 30.1 | 3 | N | 61.5 | 53.5 | 22.6 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 600 | 34.8 | 6 | N | 64.4 | 20.1 | 8.4 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 700 | 33.3 | 4 | N | 63.4 | 17.1 | 7.8 | 0.7 | 0 | 0 | 0 |
| 06-Oct-11 | 800 | 34.5 | 5 | N | 64.2 | 19.6 | 8.8 | 0.8 | 0 | 0 | 0 |
| 06-Oct-11 | 900 | 30.1 | 5 | N | 61.1 | 27.6 | 8.5 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 1000 | 28.4 | 2 | N | 61.0 | 29.5 | 13.9 | 0.1 | 0 | 0 | 0 |
| 06-Oct-11 | 1100 | 25.6 | 359 | NNW | 59.7 | 23.8 | 7.8 | 0.8 | 0 | 0 | 0 |
| 06-Oct-11 | 1200 | 21.5 | 347 | NNW | 59.1 | 16.6 | 5.6 | 1.1 | 0 | 0 | 0 |
| 06-Oct-11 | 1300 | 25.4 | 346 | NNW | 62.6 | 12.9 | 6.4 | 1 | 0 | 0 | 0 |
| 06-Oct-11 | 1400 | 25.1 | 349 | NNW | 61.1 | 16.6 | 8.2 | 0.4 | 0 | 0 | 0 |
| 06-Oct-11 | 1500 | 24.5 | 357 | NNW | 59.2 | 20.9 | 10.4 | 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 | | | | | | | | | | | |
| 06-Oct-11 | 1600 | 22.3 | 351 | NNW | 57.8 | 20.3 | 7.5 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 1700 | 16.8 | 351 | NNW | 53.4 | 20.0 | 8.6 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 1800 | 16.6 | 348 | NNW | 53.0 | 17.2 | 6.2 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 1900 | 16.3 | 347 | NNW | 51.8 | 16.1 | 5.8 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 2000 | 10.3 | 347 | NNW | 50.1 | 17.2 | 6.5 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 2100 | 9.8 | 334 | NNW | 49.7 | 20.1 | 5.4 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 2200 | 10.5 | 345 | NNW | 49.1 | 25.3 | 7.7 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 2300 | 10.3 | 2 | N | 48.1 | 28.4 | 8.9 | 0 | 0 | 0 | 0 |
| 06-Oct-11 | 2400 | 12.6 | 340 | NNW | 48.2 | 25.1 | 10.1 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 100 | 10.2 | 355 | NNW | 46.7 | 49.7 | 18.9 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 200 | 15.5 | 337 | NNW | 49.1 | 49.0 | 18.5 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 300 | 10.0 | 340 | NNW | 47.3 | 55.9 | 20.7 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 400 | 10.3 | 340 | NNW | 46.9 | 57.1 | 22.3 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 500 | 13.5 | 327 | NNW | 49.7 | 50.3 | 18.8 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 600 | 14.5 | 337 | NNW | 54.5 | 43.4 | 20.6 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 700 | 17.7 | 344 | NNW | 56.4 | 40.8 | 19.3 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 800 | 25.4 | 336 | NNW | 59.9 | 26.4 | 11.7 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 900 | 31.4 | 328 | NNW | 61.4 | 12.2 | 5.1 | 0.2 | 0 | 0 | 0 |
| 07-Oct-11 | 1000 | 25.2 | 328 | NNW | 57.8 | 3.9 | 1.5 | 0.8 | 0 | 0 | 0 |
| 07-Oct-11 | 1100 | 28.7 | 330 | NNW | 60.2 | 7.8 | 3.1 | 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 | | | | | | | | | | | |
| 07-Oct-11 | 1200 | 20.5 | 338 | NNW | 56.0 | 12.0 | 4.9 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1300 | 20.5 | 352 | NNW | 56.4 | 13.2 | 5.9 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1400 | 21.9 | 1 | N | 55.7 | 21.8 | 9.4 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1500 | 12.3 | 353 | NNW | 52.4 | 17.2 | 7.4 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1600 | 13.1 | 334 | NNW | 52.2 | 14.1 | 4.3 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1700 | 12.4 | 326 | NNW | 50.8 | 15.7 | 7.1 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 1800 | 16.6 | 314 | NW | 51.4 | 6.8 | 2.9 | 0.1 | 0 | 0 | 0 |
| 07-Oct-11 | 1900 | 15.2 | 308 | NW | 48.5 | 3.8 | 1.5 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 2000 | 14.6 | 301 | WNW | 48.3 | 4.1 | 1.5 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 2100 | 20.4 | 322 | NW | 51.5 | 5.0 | 2.6 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 2200 | 19.3 | 322 | NW | 50.0 | 4.1 | 3.3 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 2300 | 19.5 | 323 | NW | 49.0 | 4.2 | 3.2 | 0 | 0 | 0 | 0 |
| 07-Oct-11 | 2400 | 21.2 | 327 | NNW | 50.1 | 5.0 | 4.0 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 100 | 16.0 | 317 | NW | 45.1 | 4.6 | 2.7 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 200 | 12.9 | 312 | NW | 44.0 | 1.6 | 1.1 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 300 | 11.0 | 304 | WNW | 42.9 | 1.7 | 0.9 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 400 | 9.9 | 296 | WNW | 43.6 | 3.9 | 1.8 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 500 | 10.1 | 254 | WSW | 44.8 | 2.0 | 1.0 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 600 | 9.6 | 251 | WSW | 48.7 | 2.0 | 1.4 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 700 | 8.8 | 250 | WSW | 49.5 | 3.1 | 1.9 | 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 | | | | | | | | | | | |
| 08-Oct-11 | 800 | 7.8 | 227 | SW | 52.7 | 5.6 | 2.6 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 900 | 10.6 | 218 | SW | 51.8 | 4.4 | 3.8 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1000 | 12.9 | 195 | SSW | 52.1 | 6.0 | 3.5 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1100 | 21.3 | 178 | S | 55.5 | 6.6 | 2.8 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1200 | 24.0 | 179 | S | 58.3 | 8.4 | 4.0 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1300 | 20.5 | 176 | S | 57.2 | 3.8 | 1.8 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1400 | 15.2 | 205 | SSW | 55.0 | 1.2 | 0.4 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1500 | 12.1 | 184 | S | 50.9 | 2.2 | 0.6 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1600 | 11.5 | 183 | S | 50.3 | 1.9 | 0.6 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1700 | 12.1 | 164 | SSE | 50.2 | 3.4 | 1.1 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1800 | 9.9 | 165 | SSE | 50.1 | 4.8 | 1.2 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 1900 | 8.7 | 165 | SSE | 48.4 | 14.0 | 5.4 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 2000 | 8.0 | 194 | SSW | 47.2 | 20.5 | 6.1 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 2100 | 11.8 | 217 | SW | 46.6 | 9.4 | 6.1 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 2200 | 10.9 | 208 | SSW | 47.0 | 6.4 | 2.7 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 2300 | 14.1 | 234 | SW | 45.6 | 2.3 | 1.7 | 0 | 0 | 0 | 0 |
| 08-Oct-11 | 2400 | 14.0 | 234 | SW | 46.7 | 1.6 | 1.4 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 100 | 21.9 | 221 | SW | 52.9 | 2.0 | 1.5 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 200 | 19.9 | 256 | WSW | 47.4 | 3.2 | 2.3 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 300 | 14.2 | 263 | W | 43.5 | 3.2 | 2.5 | 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 | | | | | | | | | | | |
| 09-Oct-11 | 400 | 18.0 | 282 | WNW | 45.4 | 1.8 | 0.9 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 500 | 20.6 | 270 | W | 48.0 | 3.3 | 1.4 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 600 | 24.7 | 265 | W | 52.8 | 3.2 | 1.0 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 700 | 19.5 | 267 | W | 47.4 | 1.9 | 0.5 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 800 | 17.6 | 281 | W | 46.2 | 2.5 | 0.6 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 900 | 19.0 | 272 | W | 49.4 | 2.6 | 1.1 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1000 | 24.9 | 276 | W | 55.3 | 4.4 | 2.0 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1100 | 26.6 | 271 | W | 55.6 | 3.1 | 1.6 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1200 | 25.6 | 266 | W | 54.4 | 1.6 | 0.5 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1300 | 20.0 | 255 | WSW | 50.2 | 1.7 | 0.8 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1400 | 20.2 | 286 | WNW | 50.7 | 1.9 | 0.9 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1500 | 17.1 | 292 | WNW | 51.7 | 1.9 | 1.0 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1600 | 15.2 | 272 | W | 48.3 | 1.7 | 0.8 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1700 | 14.7 | 266 | W | 47.8 | 1.9 | 0.4 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1800 | 12.5 | 266 | W | 49.0 | 1.4 | 0.4 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 1900 | 10.2 | 261 | W | 47.9 | 2.5 | 1.1 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 2000 | 9.8 | 248 | WSW | 46.7 | 2.1 | 0.8 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 2100 | 11.0 | 234 | SW | 46.4 | 4.2 | 1.8 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 2200 | 11.4 | 252 | WSW | 46.8 | 2.3 | 0.9 | 0 | 0 | 0 | 0 |
| 09-Oct-11 | 2300 | 11.3 | 264 | W | 45.8 | 2.6 | 0.8 | 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 | | | | | | | | | | | |
| 09-Oct-11 | 2400 | 12.2 | 269 | W | 46.0 | 2.3 | 1.1 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 100 | 11.3 | 292 | WNW | 47.0 | 6.0 | 2.5 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 200 | 8.6 | 316 | NW | 47.6 | 4.1 | 1.5 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 300 | 7.2 | 316 | NW | 47.1 | 2.1 | 1.1 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 400 | 8.3 | 325 | NW | 47.2 | 1.7 | 0.8 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 500 | 10.2 | 316 | NW | 47.8 | 3.5 | 1.6 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 600 | 9.8 | 315 | NW | 49.6 | 6.0 | 2.9 | 0 | 0 | 0 | 0 |
| 10-Oct-11 | 700 | 9.3 | 310 | NW | 49.5 | 6.2 | 2.7 | 0 | 0 | 0 | 0 |