

Lafarge Stoney Trailer Hourly Average Data

| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Sector | Sound #2 dB A | Sound #1 dB A | Comment |
|--|-------------------------|--------------------------|-----------------------------|------------------|------------------|---------|
| <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 | | | | | | |
| | | | | | | |
| 4-Apr-11 | 700 | 15.2 | W | 52.3 | 46.9 | |
| 4-Apr-11 | 800 | 14.2 | W | 53.0 | 47.0 | |
| 4-Apr-11 | 900 | 15.4 | W | 50.1 | 43.0 | |
| 4-Apr-11 | 1000 | 14.9 | W | 49.0 | 42.5 | |
| 4-Apr-11 | 1100 | 14.6 | W | 49.4 | 43.8 | |
| 4-Apr-11 | 1200 | 12.1 | WSW | 50.6 | 44.1 | |
| 4-Apr-11 | 1300 | 18.1 | WSW | 51.7 | 47.4 | |
| 4-Apr-11 | 1400 | 22.6 | W | 52.3 | 49.9 | |
| 4-Apr-11 | 1500 | 22.9 | WSW | 52.6 | 49.6 | |
| 4-Apr-11 | 1600 | 22.8 | WSW | 53.0 | 50.4 | |
| 4-Apr-11 | 1700 | 22.8 | WSW | 52.0 | 50.8 | |
| 4-Apr-11 | 1800 | 22.1 | W | 51.8 | 49.5 | |
| 4-Apr-11 | 1900 | 19.5 | W | 51.4 | 49.6 | |
| 4-Apr-11 | 2000 | 15.9 | W | 49.6 | 44.4 | |
| 4-Apr-11 | 2100 | 13.1 | W | 49.3 | 41.1 | |
| 4-Apr-11 | 2200 | 11.3 | W | 51.9 | 43.4 | |
| 4-Apr-11 | 2300 | 14.5 | W | 51.1 | 39.5 | |
| 4-Apr-11 | 2400 | 13.2 | WNW | 49.6 | 35.9 | |
| 5-Apr-11 | 100 | 15.5 | W | 51.3 | 36.4 | |
| 5-Apr-11 | 200 | 13.4 | WNW | 49.7 | 40.6 | |
| 5-Apr-11 | 300 | 14.4 | WNW | 48.5 | 35.9 | |
| 5-Apr-11 | 400 | 9.4 | N | 49.3 | 39.8 | |
| 5-Apr-11 | 500 | 5.6 | NNW | 48.2 | 47.1 | |
| 5-Apr-11 | 600 | 9.6 | W | 51.0 | 45.6 | |
| 5-Apr-11 | 700 | 9.7 | SW | 54.1 | 47.1 | |

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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 | | | | | | |
| | | | | | | |
| 5-Apr-11 | 800 | 14.3 | WSW | 51.8 | 43.4 | |
| 5-Apr-11 | 900 | 14.1 | WSW | 52.4 | 43.8 | |
| 5-Apr-11 | 1000 | 16.3 | WSW | 50.9 | 43.8 | |
| 5-Apr-11 | 1100 | 27.1 | W | 54.8 | 50.0 | |
| 5-Apr-11 | 1200 | 27.9 | W | 55.5 | 52.9 | |
| 5-Apr-11 | 1300 | 24.9 | W | 54.8 | 51.1 | |
| 5-Apr-11 | 1400 | 23.5 | WNW | 53.2 | 48.3 | |
| 5-Apr-11 | 1500 | 23.5 | NW | 54.2 | 47.6 | |
| 5-Apr-11 | 1600 | 20.8 | WNW | 53.1 | 50.1 | |
| 5-Apr-11 | 1700 | 23.2 | WNW | 52.8 | 52.2 | |
| 5-Apr-11 | 1800 | 28.4 | W | 56.1 | 54.5 | |
| 5-Apr-11 | 1900 | 17.0 | NW | 52.7 | 49.8 | |
| 5-Apr-11 | 2000 | 7.6 | NW | 50.2 | 47.9 | |
| 5-Apr-11 | 2100 | 5.7 | NW | 51.1 | 48.4 | |
| 5-Apr-11 | 2200 | 8.2 | W | 52.2 | 43.1 | |
| 5-Apr-11 | 2300 | 11.7 | WSW | 52.1 | 38.0 | |
| 5-Apr-11 | 2400 | 15.4 | WSW | 50.9 | 37.7 | |
| 6-Apr-11 | 100 | 15.1 | WSW | 49.6 | 35.8 | |
| 6-Apr-11 | 200 | 14.2 | WSW | 47.4 | 39.3 | |
| 6-Apr-11 | 300 | 10.2 | WSW | 45.5 | 31.7 | |
| 6-Apr-11 | 400 | 10.4 | WSW | 45.4 | 39.7 | |
| 6-Apr-11 | 500 | 8.4 | WSW | 44.8 | 35.4 | |
| 6-Apr-11 | 600 | 5.4 | SW | 49.7 | 38.8 | |
| 6-Apr-11 | 700 | 8.9 | SSW | 51.2 | 46.3 | |
| 6-Apr-11 | 800 | 9.3 | WSW | 51.8 | 47.2 | |

Lafarge Stoney Trailer Hourly Average Data

| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Sector | Sound #2 dB A | Sound #1 dB A | Comment |
|--|-------------------------|--------------------------|-----------------------------|------------------|------------------|---------|
| <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 | | | | | | |
| | | | | | | |
| 6-Apr-11 | 900 | 4.3 | NW | 50.5 | 45.2 | |
| 6-Apr-11 | 1000 | 10.4 | NW | 50.2 | 46.2 | |
| 6-Apr-11 | 1100 | 8.7 | SSW | 51.0 | 43.5 | |
| 6-Apr-11 | 1200 | 14.2 | SE | 52.6 | 45.1 | |
| 6-Apr-11 | 1300 | 14.7 | SE | 52.7 | 45.4 | |
| 6-Apr-11 | 1400 | 16.0 | SE | 52.6 | 44.1 | |
| 6-Apr-11 | 1500 | 16.0 | SE | 51.8 | 46.1 | |
| 6-Apr-11 | 1600 | 15.9 | SSE | 50.7 | 43.1 | |
| 6-Apr-11 | 1700 | 14.6 | S | 49.8 | 46.1 | |
| 6-Apr-11 | 1800 | 14.1 | SSW | 48.9 | 42.7 | |
| 6-Apr-11 | 1900 | 6.0 | WSW | 47.6 | 41.3 | |
| 6-Apr-11 | 2000 | 4.2 | NNW | 50.6 | 52.8 | |
| 6-Apr-11 | 2100 | 5.2 | NNW | 50.9 | 53.3 | |
| 6-Apr-11 | 2200 | 8.1 | NW | 54.0 | 47.9 | |
| 6-Apr-11 | 2300 | 13.8 | NNW | 53.2 | 47.5 | |
| 6-Apr-11 | 2400 | 12.0 | N | 51.4 | 48.3 | |
| 7-Apr-11 | 100 | 12.8 | N | 51.2 | 47.2 | |
| 7-Apr-11 | 200 | 12.3 | N | 50.4 | 47.2 | |
| 7-Apr-11 | 300 | 9.9 | N | 48.8 | 49.3 | |
| 7-Apr-11 | 400 | 12.9 | NNW | 50.4 | 51.3 | |
| 7-Apr-11 | 500 | 16.7 | NNW | 50.4 | 45.1 | |
| 7-Apr-11 | 600 | 17.6 | NNW | 53.0 | 46.0 | |
| 7-Apr-11 | 700 | 19.1 | NNW | 55.0 | 49.3 | |
| 7-Apr-11 | 800 | 23.9 | NNW | 57.0 | 52.6 | |
| 7-Apr-11 | 900 | 21.3 | NNW | 55.3 | 48.9 | |

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| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Sector | Sound #2 dB A | Sound #1 dB A | Comment |
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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 | | | | | | |
| | | | | | | |
| 7-Apr-11 | 1000 | 17.4 | N | 54.0 | 49.3 | |
| 7-Apr-11 | 1100 | 18.5 | N | 54.2 | 49.0 | |
| 7-Apr-11 | 1200 | 18.7 | N | 55.2 | 52.2 | |
| 7-Apr-11 | 1300 | 16.9 | N | 53.0 | 50.4 | |
| 7-Apr-11 | 1400 | 21.2 | NNE | 55.8 | 52.3 | |
| 7-Apr-11 | 1500 | 19.8 | NNE | 54.1 | 50.8 | |
| 7-Apr-11 | 1600 | 18.1 | NNE | 52.3 | 51.7 | |
| 7-Apr-11 | 1700 | 16.9 | NNE | 51.8 | 49.7 | |
| 7-Apr-11 | 1800 | 10.8 | N | 50.4 | 50.5 | |
| 7-Apr-11 | 1900 | 8.2 | NNE | 48.5 | 49.9 | |
| 7-Apr-11 | 2000 | 5.4 | N | 48.4 | 54.5 | |
| 7-Apr-11 | 2100 | 4.2 | NW | 49.8 | 55.2 | |
| 7-Apr-11 | 2200 | 5.5 | NNW | 49.6 | 55.7 | |
| 7-Apr-11 | 2300 | 6.1 | NW | 50.2 | 54.3 | |
| 7-Apr-11 | 2400 | 5.1 | WNW | 48.9 | 49.8 | |
| 8-Apr-11 | 100 | 7.4 | W | 46.4 | 39.5 | |
| 8-Apr-11 | 200 | 9.8 | W | 50.8 | 35.6 | |
| 8-Apr-11 | 300 | 12.9 | W | 53.6 | 34.2 | |
| 8-Apr-11 | 400 | 13.2 | W | 54.6 | 37.0 | |
| 8-Apr-11 | 500 | 13.4 | W | 56.0 | 39.7 | |
| 8-Apr-11 | 600 | 15.3 | W | 56.2 | 43.2 | |
| 8-Apr-11 | 700 | 13.9 | W | 58.2 | 46.3 | |
| 8-Apr-11 | 800 | 12.2 | WSW | 53.1 | 45.9 | |
| 8-Apr-11 | 900 | 13.4 | SW | 52.5 | 45.3 | |
| 8-Apr-11 | 1000 | 17.5 | SSW | 53.3 | 47.3 | |

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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 | | | | | | |
| 8-Apr-11 | 1100 | 23.4 | S | | 48.0 | Calibration |
| 8-Apr-11 | 1200 | 23.7 | S | | 50.2 | Calibration |
| 8-Apr-11 | 1300 | 27.3 | S | 60.9 | 50.7 | |
| 8-Apr-11 | 1400 | 26.5 | SSE | 59.8 | 51.5 | |
| 8-Apr-11 | 1500 | 27.9 | SSE | 60.8 | 52.6 | |
| 8-Apr-11 | 1600 | 25.3 | S | 58.2 | 51.3 | |
| 8-Apr-11 | 1700 | 24.6 | S | 57.5 | 50.2 | |
| 8-Apr-11 | 1800 | 20.5 | SSE | 52.9 | 46.2 | |
| 8-Apr-11 | 1900 | 16.8 | SSE | 49.8 | 45.3 | |
| 8-Apr-11 | 2000 | 15.2 | S | 48.8 | 45.3 | |
| 8-Apr-11 | 2100 | 10.4 | SSW | 48.3 | 41.4 | |
| 8-Apr-11 | 2200 | 12.9 | SW | 58.8 | 40.4 | |
| 8-Apr-11 | 2300 | 12.9 | WSW | 53.8 | 38.6 | |
| 8-Apr-11 | 2400 | 12.0 | WSW | 52.5 | 35.2 | |
| 9-Apr-11 | 100 | 16.4 | W | 52.8 | 39.2 | |
| 9-Apr-11 | 200 | 17.2 | W | 51.8 | 39.4 | |
| 9-Apr-11 | 300 | 18.2 | W | 53.0 | 39.6 | |
| 9-Apr-11 | 400 | 16.9 | WNW | 52.3 | 39.8 | |
| 9-Apr-11 | 500 | 17.2 | WNW | 49.4 | 38.9 | |
| 9-Apr-11 | 600 | 16.1 | WNW | 46.9 | 39.4 | |
| 9-Apr-11 | 700 | 12.5 | NW | 48.8 | 41.5 | |
| 9-Apr-11 | 800 | 11.7 | NW | 50.4 | 42.8 | |
| 9-Apr-11 | 900 | 11.0 | NNW | 50.5 | 48.2 | |
| 9-Apr-11 | 1000 | 6.8 | WNW | 49.7 | 46.5 | |
| 9-Apr-11 | 1100 | 5.6 | SE | 50.9 | 44.1 | |

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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 | | | | | | |
| | | | | | | |
| 9-Apr-11 | 1200 | 7.3 | SE | 50.4 | 47.8 | |
| 9-Apr-11 | 1300 | 10.9 | S | 50.0 | 42.1 | |
| 9-Apr-11 | 1400 | 14.2 | SSE | 50.5 | 41.3 | |
| 9-Apr-11 | 1500 | 14.3 | SSE | 50.2 | 41.8 | |
| 9-Apr-11 | 1600 | 14.4 | SSE | 48.8 | 41.2 | |
| 9-Apr-11 | 1700 | 14.8 | SSE | 49.0 | 42.6 | |
| 9-Apr-11 | 1800 | 13.0 | S | 46.8 | 42.2 | |
| 9-Apr-11 | 1900 | 11.4 | S | 46.5 | 45.4 | |
| 9-Apr-11 | 2000 | 11.4 | S | 46.5 | 40.7 | |
| 9-Apr-11 | 2100 | 10.8 | SSW | 45.7 | 39.8 | |
| 9-Apr-11 | 2200 | 13.7 | WSW | 45.3 | 40.1 | |
| 9-Apr-11 | 2300 | 16.9 | W | 44.5 | 42.5 | |
| 9-Apr-11 | 2400 | 21.7 | W | 47.6 | 44.1 | |
| 10-Apr-11 | 100 | 23.9 | WNW | 49.8 | 45.5 | |
| 10-Apr-11 | 200 | 25.3 | WNW | 51.1 | 45.2 | |
| 10-Apr-11 | 300 | 24.1 | WNW | 50.1 | 44.9 | |
| 10-Apr-11 | 400 | 21.5 | WNW | 47.3 | 42.7 | |
| 10-Apr-11 | 500 | 20.7 | WNW | 46.8 | 42.7 | |
| 10-Apr-11 | 600 | 18.8 | WNW | 46.0 | 42.9 | |
| 10-Apr-11 | 700 | 16.3 | W | 44.1 | 41.1 | |
| 10-Apr-11 | 800 | 16.8 | W | 45.5 | 42.9 | |
| 10-Apr-11 | 900 | 17.6 | W | 46.9 | 46.2 | |
| 10-Apr-11 | 1000 | 17.6 | W | 48.4 | 48.9 | |
| 10-Apr-11 | 1100 | 16.1 | W | 47.6 | 45.6 | |
| 10-Apr-11 | 1200 | 13.2 | SW | 49.6 | 46.6 | |

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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

| Date | Time MST Hour Ending | Wind Speed km/hour | Wind Direction Sector | Sound #2 dB A | Sound #1 dB A | Comment |
|-----------|-------------------------|--------------------------|-----------------------------|------------------|------------------|---------|
| 10-Apr-11 | 1300 | 14.0 | SSW | 51.0 | 44.6 | |
| 10-Apr-11 | 1400 | 14.2 | SSW | 50.1 | 42.8 | |
| 10-Apr-11 | 1500 | 12.9 | SW | 48.7 | 45.8 | |
| 10-Apr-11 | 1600 | 13.8 | W | 46.4 | 42.9 | |
| 10-Apr-11 | 1700 | 16.4 | WSW | 48.8 | 47.4 | |
| 10-Apr-11 | 1800 | 22.1 | WSW | 51.0 | 50.0 | |
| 10-Apr-11 | 1900 | 21.6 | WSW | 50.6 | 49.9 | |
| 10-Apr-11 | 2000 | 13.8 | WSW | 46.8 | 48.3 | |
| 10-Apr-11 | 2100 | 13.2 | WSW | 47.3 | 46.4 | |
| 10-Apr-11 | 2200 | 8.4 | SW | 46.4 | 46.4 | |
| 10-Apr-11 | 2300 | 8.9 | SSW | 45.1 | 44.7 | |
| 10-Apr-11 | 2400 | 10.8 | SSW | 44.6 | 40.8 | |
| 11-Apr-11 | 100 | 15.2 | SW | 46.1 | 35.6 | |
| 11-Apr-11 | 200 | 14.3 | SW | 45.5 | 36.8 | |
| 11-Apr-11 | 300 | 12.7 | SSW | 45.1 | 36.1 | |
| 11-Apr-11 | 400 | 7.7 | SW | 44.8 | 37.0 | |
| 11-Apr-11 | 500 | 5.9 | SSW | 52.8 | 38.8 | |
| 11-Apr-11 | 600 | 8.3 | SSW | 54.8 | 48.9 | |
| 11-Apr-11 | 700 | 6.4 | S | 54.4 | 51.9 | |