

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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 12-Sep-11 | 800 | 12.7 | 135 | SE | 55.9 | 49.8 | 20.7 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 900 | 11.8 | 138 | SE | 55.1 | 45.3 | 20.6 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1000 | 9.9 | 156 | SSE | 54.6 | 36.5 | 20.0 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1100 | 6.6 | 153 | SSE | 55.2 | 39.5 | 18.8 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1200 | 6.6 | 107 | ESE | 55.0 | 44.1 | 12.5 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1300 | 8.5 | 60 | ENE | 55.0 | 33.2 | 14.7 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1400 | 8.1 | 43 | NE | 55.1 | 59.6 | 32.6 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1500 | 6.8 | 354 | NNW | 55.4 | 64.1 | 30.9 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1600 | 12.4 | 332 | NNW | 51.9 | 68.3 | 34.9 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1700 | 10.2 | 340 | NNW | 52.2 | 55.3 | 25.8 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1800 | 8.1 | 337 | NNW | 52.2 | 54.2 | 26.6 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 1900 | 12.4 | 330 | NNW | 50.1 | 71.9 | 23.8 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 2000 | 9.8 | 316 | NW | 50.8 | 73.5 | 24.5 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 2100 | 10.0 | 315 | NW | 51.7 | 72.2 | 30.0 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 2200 | 8.9 | 322 | NW | 51.4 | 75.5 | 26.5 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 2300 | 9.7 | 323 | NW | 49.0 | 88.3 | 21.7 | 0 | 0 | 0 | 0 |
| 12-Sep-11 | 2400 | 7.1 | 313 | NW | 49.1 | 79.2 | 18.2 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 100 | 5.9 | 308 | NW | 48.5 | 43.1 | 16.1 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 200 | 5.7 | 317 | NW | 48.6 | 44.4 | 13.6 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 13-Sep-11 | 300 | 5.8 | 319 | NW | 49.9 | 47.9 | 14.7 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 400 | 5.5 | 325 | NW | 50.7 | 94.0 | 16.7 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 500 | 5.0 | 325 | NW | 49.4 | 80.6 | 15.1 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 600 | 2.5 | 323 | NW | 54.9 | 61.9 | 15.0 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 700 | 4.2 | 16 | NNE | 57.2 | 129.2 | 25.0 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 800 | 5.6 | 60 | ENE | 57.5 | 84.9 | 24.2 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 900 | 7.2 | 75 | ENE | 55.3 | 56.8 | 12.2 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1000 | 7.8 | 87 | E | 56.0 | 74.3 | 14.4 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1100 | 10.0 | 100 | E | 55.9 | 55.9 | 10.6 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1200 | 12.4 | 147 | SSE | 55.1 | 34.2 | 8.2 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1300 | 13.5 | 138 | SE | 55.6 | 42.7 | 7.8 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1400 | 14.1 | 131 | SE | 55.5 | 57.6 | 13.0 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1500 | 15.9 | 131 | SE | 55.3 | 55.2 | 14.9 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1600 | 13.8 | 120 | ESE | 54.3 | 40.6 | 10.7 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1700 | 17.3 | 134 | SE | 53.7 | 24.9 | 5.4 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1800 | 15.3 | 132 | SE | 52.6 | 18.8 | 4.0 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 1900 | 15.2 | 133 | SE | 50.4 | 15.1 | 4.0 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 2000 | 14.8 | 140 | SE | 49.8 | 15.1 | 4.4 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 2100 | 17.6 | 145 | SE | 51.1 | 15.2 | 5.4 | 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 |
|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 13-Sep-11 | 2200 | 15.8 | 140 | SE | 50.9 | 18.3 | 5.1 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 2300 | 20.4 | 134 | SE | 51.4 | 16.9 | 4.8 | 0 | 0 | 0 | 0 |
| 13-Sep-11 | 2400 | 23.8 | 137 | SE | 53.9 | 4.0 | 1.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 100 | 22.6 | 137 | SE | 53.0 | 9.1 | 4.0 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 200 | 20.8 | 145 | SE | 52.5 | 6.4 | 1.6 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 300 | 21.2 | 154 | SSE | 52.6 | 8.2 | 3.2 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 400 | 21.2 | 156 | SSE | 52.7 | 6.6 | 3.3 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 500 | 20.0 | 162 | SSE | 52.4 | 4.9 | 1.2 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 600 | 21.6 | 168 | SSE | 58.7 | 5.6 | 1.3 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 700 | 15.7 | 164 | SSE | 54.9 | 5.1 | 1.1 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 800 | 21.8 | 160 | SSE | 58.2 | 10.9 | 2.5 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 900 | 20.3 | 166 | SSE | 56.0 | 11.3 | 4.2 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1000 | 21.8 | 162 | SSE | 57.6 | 14.4 | 5.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1100 | 25.7 | 155 | SSE | 59.3 | 12.9 | 3.5 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1200 | 25.9 | 152 | SSE | 59.8 | 24.2 | 4.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1300 | 27.4 | 158 | SSE | 61.0 | 21.3 | 4.1 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1400 | 29.2 | 158 | SSE | 62.4 | 29.6 | 6.6 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1500 | 28.8 | 161 | SSE | 62.1 | 22.4 | 6.3 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1600 | 26.5 | 156 | SSE | 59.5 | 24.0 | 9.7 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 14-Sep-11 | 1700 | 24.3 | 158 | SSE | 57.5 | 23.6 | 4.7 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1800 | 22.2 | 152 | SSE | 55.4 | 34.0 | 5.5 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 1900 | 19.7 | 154 | SSE | 52.8 | 34.6 | 7.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 2000 | 19.8 | 153 | SSE | 52.9 | 36.4 | 7.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 2100 | 20.8 | 160 | SSE | 53.9 | 41.7 | 9.5 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 2200 | 18.6 | 165 | SSE | 52.3 | 49.0 | 10.6 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 2300 | 22.2 | 175 | S | 54.4 | 55.8 | 8.8 | 0 | 0 | 0 | 0 |
| 14-Sep-11 | 2400 | 19.4 | 182 | S | 51.6 | 44.8 | 7.4 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 100 | 14.8 | 186 | S | 47.4 | 39.7 | 6.8 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 200 | 7.3 | 199 | SSW | 48.2 | 40.1 | 7.7 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 300 | 8.3 | 224 | SW | 49.5 | 39.1 | 8.5 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 400 | 7.9 | 222 | SW | 52.7 | 30.2 | 7.1 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 500 | 7.9 | 247 | WSW | 50.5 | 17.1 | 4.3 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 600 | 9.6 | 249 | WSW | 55.7 | 18.7 | 7.1 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 700 | 8.9 | 253 | WSW | 58.3 | 46.7 | 23.7 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 800 | 7.8 | 228 | SW | 57.6 | 52.4 | 22.2 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 900 | 8.1 | 248 | WSW | 56.2 | 52.4 | 18.6 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1000 | 9.5 | 226 | SW | 54.9 | 56.1 | 19.5 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1100 | 10.8 | 210 | SSW | 55.6 | 48.6 | 19.3 | 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 |
|---|----------------------|-----------------------------------|------------------------|-----------------------|-----------|-----------|-------------|-------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 15-Sep-11 | 1200 | 9.8 | 190 | S | 56.0 | 34.2 | 8.2 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1300 | 12.5 | 160 | SSE | 56.3 | 26.2 | 5.7 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1400 | 14.1 | 159 | SSE | 55.6 | 3.4 | 1.1 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1500 | 13.1 | 159 | SSE | 55.0 | 6.5 | 1.6 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1600 | 13.4 | 144 | SE | 53.9 | 24.9 | 5.0 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1700 | 17.0 | 186 | S | 53.0 | 56.5 | 13.3 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1800 | 12.7 | 189 | S | 51.3 | 48.4 | 19.8 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 1900 | 11.9 | 253 | WSW | 48.5 | 20.5 | 16.0 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 2000 | 13.0 | 239 | WSW | 47.8 | 18.7 | 15.0 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 2100 | 16.1 | 231 | SW | 48.8 | 17.8 | 14.7 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 2200 | 18.8 | 238 | WSW | 49.5 | 16.8 | 13.8 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 2300 | 14.7 | 242 | WSW | 47.7 | 17.2 | 14.5 | 0 | 0 | 0 | 0 |
| 15-Sep-11 | 2400 | 11.8 | 257 | WSW | 46.5 | 28.0 | 19.9 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 100 | 19.1 | 273 | W | 48.7 | 19.4 | 14.8 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 200 | 19.2 | 283 | WNW | 48.6 | 6.6 | 6.1 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 300 | 12.9 | 311 | NW | 47.3 | 5.1 | 2.7 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 400 | 10.3 | 300 | WNW | 47.5 | 6.3 | 4.3 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 500 | 9.0 | 281 | W | 48.2 | 14.2 | 8.8 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 600 | 10.8 | 259 | W | 54.1 | 2.1 | 1.3 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 16-Sep-11 | 700 | 11.2 | 262 | W | 56.3 | 2.4 | 1.2 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 800 | 17.5 | 269 | W | 56.0 | 2.3 | 1.1 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 900 | 17.6 | 264 | W | 55.7 | 2.9 | 1.7 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1000 | 22.5 | 262 | W | 57.1 | 5.0 | 2.6 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1100 | 24.5 | 264 | W | 57.5 | 4.4 | 1.7 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1200 | 14.5 | 262 | W | 56.8 | 2.0 | 1.1 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1300 | 19.3 | 258 | WSW | 55.0 | 2.7 | 0.8 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1400 | 24.4 | 270 | W | 55.9 | 2.5 | 0.5 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1500 | 25.3 | 263 | W | 55.5 | 2.0 | 0.4 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1600 | 26.2 | 263 | W | 55.4 | 2.7 | 0.5 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1700 | 22.4 | 270 | W | 53.4 | 2.1 | 0.4 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1800 | 16.4 | 281 | W | 50.3 | 2.6 | 2.3 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 1900 | 14.2 | 282 | WNW | 48.9 | 3.5 | 3.3 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 2000 | 13.8 | 270 | W | 47.0 | 3.6 | 3.5 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 2100 | 18.7 | 270 | W | 47.8 | 3.6 | 3.0 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 2200 | 15.4 | 282 | WNW | 49.4 | 2.0 | 1.4 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 2300 | 16.7 | 271 | W | 47.0 | 5.7 | 4.2 | 0 | 0 | 0 | 0 |
| 16-Sep-11 | 2400 | 13.8 | 276 | W | 45.5 | 2.9 | 1.9 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 100 | 14.1 | 278 | W | 45.6 | 3.3 | 1.4 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 17-Sep-11 | 200 | 15.2 | 277 | W | 46.3 | 2.0 | 1.1 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 300 | 12.7 | 282 | WNW | 45.9 | 2.9 | 1.4 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 400 | 7.9 | 296 | WNW | 48.0 | 2.4 | 1.3 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 500 | 9.8 | 278 | W | 49.0 | 2.9 | 1.6 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 600 | 10.6 | 247 | WSW | 51.9 | 5.0 | 1.6 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 700 | 12.8 | 262 | W | 52.8 | 3.0 | 1.4 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 800 | 12.1 | 273 | W | 52.4 | 2.8 | 0.9 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 900 | 17.5 | 267 | W | 53.3 | 3.4 | 0.7 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1000 | 24.6 | 260 | W | 56.3 | 4.5 | 1.3 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1100 | 23.8 | 257 | WSW | 54.6 | 4.3 | 1.9 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1200 | 23.1 | 261 | W | 54.5 | 6.0 | 2.8 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1300 | 21.0 | 264 | W | 52.1 | 2.5 | 1.2 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1400 | 19.9 | 285 | WNW | 51.1 | 3.3 | 1.7 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1500 | 21.1 | 269 | W | 51.9 | 2.5 | 0.9 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1600 | 25.4 | 254 | WSW | 55.3 | 3.3 | 1.2 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1700 | 21.5 | 269 | W | 52.2 | 4.8 | 2.7 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1800 | 22.7 | 266 | W | 53.7 | 3.2 | 1.1 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 1900 | 15.1 | 295 | WNW | 49.8 | 7.4 | 2.1 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 2000 | 9.6 | 329 | NNW | 49.7 | 50.4 | 7.1 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 17-Sep-11 | 2100 | 6.3 | 325 | NW | 49.7 | 28.7 | 6.5 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 2200 | 4.3 | 273 | W | 51.3 | 6.6 | 1.9 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 2300 | 6.6 | 240 | WSW | 47.9 | 3.4 | 0.8 | 0 | 0 | 0 | 0 |
| 17-Sep-11 | 2400 | 10.4 | 255 | WSW | 46.6 | 2.0 | 1.2 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 100 | 11.1 | 263 | W | 48.2 | 3.0 | 1.9 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 200 | 10.9 | 258 | WSW | 49.1 | 2.9 | 0.6 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 300 | 9.1 | 247 | WSW | 50.3 | 4.5 | 2.1 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 400 | 10.4 | 242 | WSW | 48.4 | 4.0 | 1.5 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 500 | 10.1 | 251 | WSW | 49.2 | 5.0 | 2.0 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 600 | 10.6 | 252 | WSW | 48.6 | 3.1 | 1.1 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 700 | 10.0 | 231 | SW | 49.9 | 3.2 | 1.7 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 800 | 10.4 | 221 | SW | 49.5 | 4.1 | 2.3 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 900 | 9.8 | 204 | SSW | 48.2 | 5.6 | 3.3 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1000 | 11.5 | 209 | SSW | 47.9 | 1.9 | 0.8 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1100 | 13.7 | 209 | SSW | 49.4 | 2.7 | 1.1 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1200 | 15.4 | 242 | WSW | 48.0 | 4.0 | 1.3 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1300 | 17.8 | 215 | SW | 52.8 | 4.5 | 2.5 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1400 | 19.7 | 233 | SW | 52.6 | 3.0 | 0.8 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1500 | 19.5 | 249 | WSW | 51.7 | 2.4 | 0.5 | 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 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 18-Sep-11 | 1600 | 24.4 | 260 | W | 56.4 | 1.8 | 0.5 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1700 | 23.7 | 264 | W | 54.4 | 1.9 | 0.5 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1800 | 24.4 | 267 | W | 54.9 | 2.0 | 0.4 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 1900 | 18.2 | 272 | W | 51.0 | 3.5 | 2.4 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 2000 | 14.2 | 247 | WSW | 48.7 | 3.5 | 3.2 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 2100 | 15.1 | 260 | W | 49.0 | 2.6 | 1.7 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 2200 | 22.2 | 281 | W | 53.0 | 6.5 | 3.0 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 2300 | 18.3 | 315 | NW | 49.0 | 5.8 | 2.5 | 0 | 0 | 0 | 0 |
| 18-Sep-11 | 2400 | 17.3 | 326 | NW | 48.4 | 3.3 | 1.2 | 0 | 0 | 0 | 0 |
| 19-Sep-11 | 100 | 17.0 | 348 | NNW | 50.9 | 8.0 | 2.4 | 0 | 0 | 0 | 0 |
| 19-Sep-11 | 200 | 16.5 | 349 | NNW | 52.0 | 7.9 | 3.8 | 0 | 0 | 0 | 0 |
| 19-Sep-11 | 300 | 13.6 | 347 | NNW | 46.4 | 6.0 | 2.4 | 0 | 0 | 0 | 0 |
| 19-Sep-11 | 400 | 18.3 | 327 | NNW | 49.6 | 4.4 | 1.4 | 1.4 | 0 | 0 | 0 |
| 19-Sep-11 | 500 | 17.4 | 326 | NNW | 50.9 | 4.1 | 1.6 | 2 | 0 | 0 | 0 |
| 19-Sep-11 | 600 | 15.9 | 340 | NNW | 53.5 | 7.7 | 3.4 | 0.4 | 0 | 0 | 0 |
| 19-Sep-11 | 700 | 17.9 | 331 | NNW | 55.2 | 3.6 | 1.0 | 1.4 | 0 | 0 | 0 |