

**\*\*\* FINAL DATA \*\*\***

**2012 8-Hour Ozone (updated through December 31, 2012)**

| AQS Number  | Site Name                  | 1st Max 8-Hour (ppm) | Date 1st Max 8-Hour | 2nd Max 8-Hour (ppm) | Date 2nd Max 8-Hour | 3rd Max 8-Hour (ppm) | Date 3rd Max 8-Hour | 4th Max 8-Hour (ppm) | Date 4th Max 8-Hour | 5th Max 8-Hour (ppm) | Date 5th Max 8-Hour |
|-------------|----------------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| 08-001-3001 | Welby                      | 0.087                | 07/04               | 0.081                | 08/09               | 0.077                | 07/11               | 0.077                | 07/23               | 0.076                | 07/13               |
| 08-005-0002 | Highland                   | 0.094                | 07/04               | 0.093                | 08/09               | 0.082                | 07/11               | 0.080                | 07/13               | 0.076                | 07/02               |
| 08-005-0006 | Aurora East                | 0.085                | 07/04               | 0.077                | 08/14               | 0.074                | 07/13               | 0.074                | 08/15               | 0.073                | 05/17               |
| 08-013-0011 | S. Boulder Creek           | 0.094                | 06/22               | 0.085                | 07/04               | 0.078                | 07/05               | 0.076                | 06/21               | 0.075                | 03/26               |
| 08-031-0002 | CAMP                       | 0.086                | 07/04               | 0.071                | 07/11               | 0.069                | 05/27               | 0.068                | 05/28               | 0.067                | 07/23               |
| 08-031-0014 | Carriage                   | 0.092                | 07/04               | 0.086                | 08/09               | 0.078                | 07/11               | 0.077                | 07/02               | 0.076                | 07/23               |
| 08-031-0025 | Denver Animal Shelter      | 0.090                | 07/04               | 0.079                | 08/09               | 0.078                | 07/11               | 0.073                | 07/23               | 0.071                | 08/10               |
| 08-035-0004 | Chatfield State Park       | 0.098                | 08/09               | 0.096                | 07/04               | 0.089                | 07/11               | 0.086                | 07/02               | 0.080                | 07/13               |
| 08-041-0013 | Colo. Spgs. – USAF Academy | 0.078                | 04/27               | 0.078                | 05/27               | 0.075                | 05/17               | 0.075                | 07/04               | 0.075                | 08/14               |
| 08-041-0016 | Manitou Springs            | 0.079                | 07/04               | 0.078                | 05/27               | 0.077                | 07/13               | 0.075                | 07/05               | 0.075                | 07/14               |
| 08-045-0012 | Rifle – Health             | 0.078                | 04/28               | 0.071                | 06/20               | 0.068                | 04/14               | 0.068                | 05/26               | 0.067                | 04/27               |
| 08-059-0005 | Welch                      | 0.090                | 07/04               | 0.087                | 08/09               | 0.081                | 07/11               | 0.079                | 07/02               | 0.077                | 08/21               |
| 08-059-0006 | Rocky Flats - N            | 0.101                | 06/22               | 0.092                | 07/04               | 0.088                | 07/05               | 0.084                | 08/09               | 0.082                | 07/13               |
| 08-059-0011 | NREL                       | 0.095                | 07/04               | 0.088                | 08/09               | 0.083                | 06/22               | 0.081                | 07/05               | 0.080                | 07/13               |
| 08-059-0013 | Aspen Park                 | 0.090                | 07/04               | 0.086                | 08/09               | 0.083                | 08/08               | 0.077                | 04/06               | 0.077                | 04/27               |
| 08-069-0007 | NPS - Rocky Mtn. NP        | 0.090                | 06/21               | 0.087                | 07/04               | 0.081                | 05/26               | 0.081                | 06/14               | 0.080                | 05/27               |
| 08-069-0011 | Ft. Collins - West         | 0.093                | 06/22               | 0.086                | 07/13               | 0.086                | 08/09               | 0.080                | 08/31               | 0.079                | 09/09               |
| 08-069-0012 | Rist Canyon                | 0.077                | 08/09               | 0.076                | 04/06               | 0.072                | 05/15               | 0.071                | 03/26               | 0.071                | 09/09               |
| 08-069-1004 | Ft. Collins - CSU          | 0.094                | 06/22               | 0.080                | 07/13               | 0.075                | 07/20               | 0.074                | 07/14               | 0.074                | 07/19               |
| 08-077-0020 | Palisade - Water           | 0.075                | 06/20               | 0.075                | 08/16               | 0.073                | 05/26               | 0.071                | 05/14               | 0.070                | 08/17               |
| 08-081-0002 | Lay Peak                   | 0.072                | 08/08               | 0.069                | 04/14               | 0.067                | 05/29               | 0.066                | 04/24               | 0.066                | 05/26               |
| 08-083-0006 | Cortez                     | 0.072                | 05/29               | 0.070                | 04/06               | 0.070                | 05/24               | 0.070                | 05/30               | 0.068                | 05/17               |
| 08-123-0009 | Greeley - Weld Tower       | 0.090                | 07/11               | 0.087                | 07/04               | 0.085                | 07/13               | 0.080                | 06/17               | 0.078                | 07/24               |

NOTES: Values above the level of the 8-hour standard (0.075 ppm) are highlighted in yellow.

The 8-hour ozone standard is written such that attainment is met if the 3-year average of the 4<sup>th</sup> maximum value from each of the 3 years is less than or equal to 0.075 ppm. Thus, by looking at the 4<sup>th</sup> maximum values from the previous 2 years, it is possible to see what the highest 4<sup>th</sup> maximum level for the current year could be and still remain in attainment of the standard.

This table provides information on the 4<sup>th</sup> maximum values for 2010 and 2011, the current 4<sup>th</sup> maximum value for 2012, the current 3-year average, and the maximum possible level for 2012 in order to remain in attainment of the ozone standard. Based on the current values, maximum possible levels for 2013 are also included.

### 3-Year Average 4<sup>th</sup> Maximum Ozone Values

| Site Name                   | AQS #       | 2010<br>4 <sup>th</sup> Maximum<br>8-Hour Average<br>Value (ppm) | 2011<br>4 <sup>th</sup> Maximum<br>8-Hour Average<br>Value (ppm) | 2012 (thru 12/31)<br>4 <sup>th</sup> Maximum<br>8-Hour Average<br>Value (ppm) | 2010 - 2012<br>3-Year Average<br>4 <sup>th</sup> Maximum<br>Value (ppm) | 2012<br>Highest Allowable<br>4 <sup>th</sup> Maximum<br>8-Hour Average<br>Value (ppm) | 2013<br>Highest Allowable<br>4 <sup>th</sup> Maximum<br>8-Hour Average<br>Value (ppm) |
|-----------------------------|-------------|--|--|---|---|---|---|
| Welby                       | 08-001-3001 | 0.063  | 0.075  | 0.077   | 0.071   | 0.089   | 0.075   |
| Highland                    | 08-005-0002 | 0.075  | 0.078  | 0.080   | 0.077   | 0.074   | 0.069   |
| Aurora East                 | 08-005-0006 | 0.070  | 0.077  | 0.074   | 0.073   | 0.080   | 0.076   |
| S. Boulder Creek            | 08-013-0011 | 0.072  | 0.076  | 0.076   | 0.074   | 0.079   | 0.075   |
| CAMP                        | 08-031-0002 | ---  | ---  | 0.068   | ---   | ---   | ---   |
| Carriage                    | 08-031-0014 | 0.069  | 0.075  | 0.077   | 0.073   | 0.083   | 0.075   |
| Denver Animal Shelter       | 08-031-0025 | 0.064  | 0.070  | 0.073   | 0.069   | 0.093   | 0.084   |
| Chatfield State Park        | 08-035-0004 | 0.079  | 0.082  | 0.086   | 0.082   | 0.066   | 0.059   |
| Colo. Spg. - USAF Academy   | 08-041-0013 | 0.068  | 0.074  | 0.075   | 0.072   | 0.085   | 0.078   |
| Manitou Springs             | 08-041-0016 | 0.072  | 0.075  | 0.075   | 0.074   | 0.080   | 0.077   |
| Rifle - Health              | 08-045-0012 | 0.066  | 0.066  | 0.068   | 0.066   | 0.095   | 0.093   |
| Welch                       | 08-059-0005 | 0.072  | 0.077  | 0.079   | 0.076   | 0.078   | 0.071   |
| Rocky Flats North           | 08-059-0006 | 0.076  | 0.081  | 0.084   | 0.080   | 0.070   | 0.062   |
| NREL                        | 08-059-0011 | 0.074  | 0.083  | 0.081   | 0.079   | 0.070   | 0.063   |
| Aspen Park                  | 08-059-0013 | 0.073  | 0.072  | 0.077   | 0.074   | 0.082   | 0.078   |
| NPS - Rocky Mtn. Nat'l Park | 08-069-0007 | 0.077  | 0.077  | 0.081   | 0.078   | 0.073   | 0.069   |
| Fort Collins - West         | 08-069-0011 | 0.075  | 0.080  | 0.080   | 0.078   | 0.072   | 0.067   |
| Rist Canyon                 | 08-069-0012 | 0.071  | 0.073  | 0.071   | 0.071   | 0.083   | 0.083   |
| Fort Collins - CSU          | 08-069-1004 | 0.066  | 0.068  | 0.074   | 0.069   | 0.093   | 0.085   |
| Palisade - Water            | 08-077-0020 | 0.068  | 0.066  | 0.071   | 0.068   | 0.093   | 0.090   |
| Lay Peak                    | 08-081-0002 | ---  | ---  | 0.066   | ---   | ---   | ---   |
| Cortez                      | 08-083-0006 | 0.064  | 0.071  | 0.070   | 0.068   | 0.092   | 0.086   |
| Greeley - Weld Tower        | 08-123-0009 | 0.073  | 0.077  | 0.080   | 0.076   | 0.077   | 0.070   |

**NOTE:** An area is considered to be in attainment of the National Ambient Air Quality Standard when the 3-year average of the annual 4th highest daily maximum 8-hour ozone concentration at a site is less than or equal to 0.075 ppm.

NOTE: Values above the level of the 3-year average 4<sup>th</sup> maximum 8-hour standard are highlighted in red.