Carbon Monoxide Air Quality Data Update
2006-2007 Design Values

The following is a brief summary of EPA's 2007 air quality update for carbon monoxide (CO) based on ambient monitoring data for the two year period, 2006-2007. During this two year period:

- All of the original 42 areas designated nonattainment for the 8-hour CO NAAQS in 1991 met the CO NAAQS in 2006-2007 (Table 1).
- However, 1 additional area failed to meet the CO NAAQS in 2006-2007 (Table 2).

EPA's National Ambient Air Quality Standard for carbon monoxide is 9 parts per million (ppm) non-overlapping 8-hour average concentration not to be exceeded more than once per year. The CO standard is not met at a monitoring site if there are two or more exceedances of the level of the CO NAAQS in either of the two most recent calendar years of monitoring data.

Air quality data from EPA's Air Quality System (AQS) were used to calculate carbon monoxide design values. The specific calculations are explained in footnotes to the attached tables. The data used for these calculations were obtained from AQS on July 8, 2008. As of August 26, 2008, no regulatory decisions on attainment status have been made for any area based on these specific calculations. For information concerning these data, contact:

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Table 1. Areas previously designated nonattainment for the 8-hour Carbon Monoxide NAAQS, 2006-2007

Designated Area	State	EPA Region	Classification	Designation Status	2006-2007 Design Value [1]	Met NAAQS 2006-2007?
Albuquerque	NM	6	Moderate	Maintenance	3.4	Yes
Anchorage	AK	10	Serious	Maintenance	6.1	Yes
Baltimore	MD	3	Moderate	Maintenance	2.3	Yes
Boston	MA	1	Moderate	Maintenance	1.7	Yes
Chico	CA	9	Moderate	Maintenance	2.6	Yes
Cleveland	OH	5	Moderate	Maintenance	3.9	Yes
Colorado Springs	CO	8	Moderate	Maintenance	2.4	Yes
Denver-Boulder	CO	8	Serious	Maintenance	3.1	Yes
Duluth	MN	5	Moderate	Maintenance	1.5	Yes
El Paso	TX	6	Moderate	Nonattainment	3.8	Yes
Fairbanks North Star Borough	AK	10	Serious	Maintenance	3.7	Yes
Fort Collins	CO	8	Moderate	Maintenance	2.7	Yes
Fresno	CA	9	Moderate	Maintenance	3.2	Yes
Grant Pass	OR	10	Moderate	Maintenance	2.4	Yes
Hartford - New Britain - Middletown	CT	1	Moderate	Maintenance	4.0	Yes
Klamath Falls	OR	10	Moderate	Maintenance	(2)	(2)
Lake Tahoe S. Shore	CA	9	Moderate	Maintenance	3.7	(3)
Las Vegas	NV	9	Serious	Nonattainment	5.0	Yes
Longmont	CO	8	Moderate	Maintenance	3.3	Yes
Los Angeles South Coast Air Basin	CA	9	Serious	Maintenance	5.6	Yes
Medford	OR	10	Moderate	Maintenance	2.8	Yes
Memphis	TN	4	Moderate	Maintenance	2.5	Yes
Minneapolis-St. Paul	MN	5	Moderate	Maintenance	2.5	Yes
Missoula	MT	8	Moderate	Nonattainment	2.4	Yes
Modesto	CA	9	Moderate	Maintenance	3.7	Yes
New York-N. New Jersey-Long Island	NJ	2	Moderate	Maintenance	2.9	Yes
Ogden	UT	8	Moderate	Maintenance	5.7	Yes
Philadelphia-Camden Co	PA	3	Moderate	Maintenance	5.5	Yes

Phoenix	AZ	9	Serious	Maintenance	4.6	Yes
Portland-Vancouver	OR	10	Moderate	Maintenance	3.7	Yes
Provo-Orem	UT	8	Moderate	Maintenance	3.2	Yes
Raleigh-Durham	NC	4	Moderate	Maintenance	2.5	Yes
Reno	NV	9	Moderate	Nonattainment	3.3	Yes
Sacramento	CA	9	Moderate	Maintenance	4.1	Yes
San Diego	CA	9	Moderate	Maintenance	4.8	Yes
San Francisco-Oakland-San Jose	CA	9	Moderate	Maintenance	2.7	Yes
Seattle-Tacoma	WA	10	Moderate	Maintenance	3.4	Yes
Spokane	WA	10	Serious	Maintenance	4.1	Yes
Stockton	CA	9	Moderate	Maintenance	2.2	Yes
Syracuse	NY	2	Moderate	Maintenance	1.4	Yes
Washington	DC	3	Moderate	Maintenance	3.3	Yes
Winston-Salem	NC	4	Moderate	Maintenance	2.4	Yes

Notes:

1. The level of the 8-hour National Ambient Air Quality Standard for carbon monoxide is 9 parts per million (ppm) not to be exceeded more than once per year. The design value for the 8-hour CO NAAQS is the highest annual second maximum non-overlapping 8-hour concentration during the most recent two years.

2. Klamath Falls was redesignated to attainment for the 8-hour CO NAAQS on September 20, 2001. In 2005, with the approval of EPA's Region 10 office, the Oregon Department of Environmental Quality (ODEQ) discontinued CO monitoring in the Klamath Falls maintenance area after recording values well below standard the previous three years. The Region 10 approval of the discontinuation of the Klamath Falls CO monitor requires that the ODEQ periodically reassess the need for CO monitoring data to verify compliance with the standard. ODEQ has agreed in their annual network monitoring plan to track CO emission inventories every three years to determine if additional CO monitoring is needed.

3. Responsibility for the operation of the monitoring site representing the Lake Tahoe - South Shore maintenance area was transferred from the California Air Resources Board to the Nevada Department of Environmental Protection in 2006. The data incompleteness for 2006 is a result of some administration difficulties in transferring this responsibility.

SOURCE: U.S. EPA’s Air Quality System (AQS) as of July 08, 2008.

Table 2. Additional areas failing to meet the 8-hour Carbon Monoxide NAAQS, 2006-2007

State	County	EPA Region	2006-2007 Design Value [1]
Alabama	Jefferson [2]	4	9.5

Notes:

1. The level of the 8-hour National Ambient Air Quality Standard for carbon monoxide is 9 parts permillion (ppm) not to be exceeded more than once per year. The design value for the 8-hour CO NAAQS is the highest annual second maximum non-overlapping 8-hour concentration during the most recent two years.

2. The monitor from which these data are taken is located directly across the street from, and is impacted by a stationary source. The monitor continues to operate for compliance and enforcement reasons. There are ongoing enforcement/compliance actions by the Jefferson County Department of Health, including Title V permit revisions, to address this situation.

SOURCE: U.S. EPA's Air Quality System (AQS) as of July 08, 2008.