

Washoe County, Nevada Air Quality Trends (2002-2011)

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Acronyms and Abbreviations

AQI	Air Quality Index
AQMD	Washoe County Health District - Air Quality Management Division
AQS	Air Quality System
BAM	Beta Attenuation Monitor
CARB	California Air Resources Board
CFR	Code of Federal Regulations
CO	Carbon Monoxide
EPA	U.S. Environmental Protection Agency
FEM	Federal Equivalent Method
FRM	Federal Reference Method
GAL	Galletti
HA 87	Hydrographic Area 87
INC	Incline
LEM	Lemmon Valley
$\mu\text{g}/\text{m}^3$	Micrograms per Cubic Meter
mg/m^3	Milligrams per Cubic Meter
NAAQS	National Ambient Air Quality Standards
NCore	National Core Multi-Pollutant Monitoring Station
NDEP	Nevada Division of Environmental Protection
NO	Nitric Acid
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
NO _y	Reactive Oxides of Nitrogen
O ₃	Ozone
PLM	Plumb-Kit
PM	Particulate Matter
PM _{2.5}	Particulate Matter less than or equal to 2.5 microns in aerodynamic diameter
PM ₁₀	Particulate Matter less than or equal to 10 microns in aerodynamic diameter
PM _{coarse}	PM ₁₀ minus PM _{2.5}
ppb	Parts per Billion
ppm	Parts per Million
RNO	Reno
RTIA	Reno-Tahoe International Airport
SIP	State Implementation Plan
SLAMS	State and Local Air Monitoring Station
SO ₂	Sulfur Dioxide
SO _x	Oxides of Sulfur
SPK	Sparks
SPM	Special Purpose Monitoring
SRN	South Reno
STN	Speciation Trends Network
SUN	Sun Valley
TOL	Toll
USG	Unhealthy for Sensitive Groups
VOC	Volatile Organic Compounds

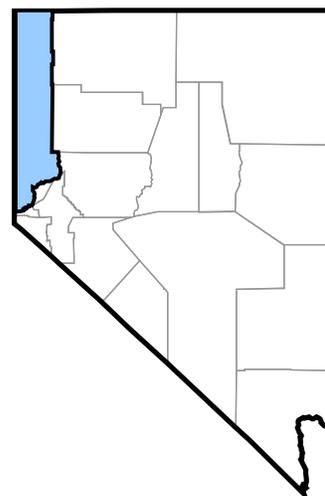
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Introduction

Washoe County is located in the northwest portion of Nevada and is bounded by California, Oregon, and the Nevada counties of Humboldt, Pershing, Storey, Churchill, Lyon, and Carson City (Figure 1). The majority of Washoe County's population is concentrated in the southern portion of the county, especially in the Truckee Meadows. The Truckee Meadows is approximately 200 square miles in size and identified as Hydrographic Area 87 (HA 87) as defined by the State of Nevada Division of Water Resources.

The U.S. Environmental Protection Agency (EPA) has set health and welfare based National Ambient Air Quality Standards (NAAQS) for the following pollutants: particulate matter less than or equal to 10 microns (PM_{10}), particulate matter less than or equal to 2.5 microns ($PM_{2.5}$), ozone (O_3), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb). The mission of the Washoe County Health District - Air Quality Management Division (AQMD) Monitoring Program is "To monitor and assure the scientific accuracy of the ambient air quality data collected for the determination of compliance with the National Ambient Air Quality Standards (NAAQS) as defined by the EPA". The AQMD has established a monitoring network throughout the Health District to collect ambient air data. The network is reviewed annually to ensure it reflects the actual air quality of the county and that it is measuring for the pollutants of highest concern.

Figure 1
State of Nevada



This document summarizes the ambient air data collected between 2002 and 2011 from the AQMD's monitoring network. These data were submitted to the EPA's Air Quality System (AQS), and are available for public review on EPA's AIRDATA website. Long-term monitoring data can reveal trends in ambient air pollution and the subsequent need for control measures.

Pollutants

The following describes the six criteria pollutants, their primary sources, and associated health effects.

Particulate Matter (PM₁₀ and PM_{2.5})

Particulate matter, also known as particle pollution or PM, is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles.

The size of particles is directly linked to their potential for causing health problems. Of concern are particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. EPA groups particle pollution into two categories:

- "Inhalable coarse particles", such as those found near roadways and dusty industries, are between 2.5 and 10 micrometers in diameter.
- "Fine particles", such as those found in smoke and haze, are 2.5 micrometers in diameter and smaller. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries, and automobiles react in the air.

Particle pollution, especially fine particles, contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Numerous scientific studies have linked particle pollution exposure to a variety of problems, including: increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing, for example; decreased lung function; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease.

People with heart or lung diseases, children and older adults are the most likely to be affected by particle pollution exposure. However, even healthy people may experience temporary symptoms from exposure to elevated levels of particle pollution.

Ozone (O₃)

Ozone is a gas composed of three oxygen atoms. It is not usually emitted directly into the air, but at ground-level is created by a chemical reaction between oxides of nitrogen (NO_x) and volatile organic compounds (VOC) in the presence of sunlight. Ozone has the same chemical structure whether it occurs miles above the earth or at ground-level and can be "good" or "bad", depending on its location in the atmosphere. "Good" ozone occurs naturally in the stratosphere approximately 10 to 30 miles above the earth and forms a layer that protects life on earth from the sun's harmful rays.

In the lower atmosphere, ground-level ozone is considered “bad”. Breathing ground-level ozone can trigger a variety of health problems including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level ozone also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. People with lung disease, children, older adults, and physically active people may be affected when ozone levels are unhealthy. Numerous scientific studies have linked ground-level ozone exposure to a variety of problems including: airway irritation, coughing, and pain when taking a deep breath; wheezing and breathing difficulties during exercise or outdoor activities; inflammation, which is much like a sunburn on the skin; aggravation of asthma and increased susceptibility to respiratory illnesses like pneumonia and bronchitis; and permanent lung damage with repeated exposures.

Motor vehicle exhaust and industrial emissions, gasoline vapors, and chemical solvents as well as natural sources emit NO_x and VOC that help form ozone. Ground-level ozone is the primary constituent of smog. Sunlight and hot weather cause ground-level ozone to form in harmful concentrations. As a result, it is known as a summertime air pollutant. Many urban areas tend to have high levels of “bad” ozone, but even rural areas are also subject to increased ozone levels because wind carries ozone and pollutants that form it hundreds of miles away from their original sources.

Carbon Monoxide (CO)

Carbon monoxide is a colorless, odorless gas that is formed when carbon in fuel is not burned completely. It is a component of motor vehicle exhaust, which contributes about 56 percent of all CO emissions nationwide. Other non-road engines and vehicles (such as construction equipment and boats) contribute about 22 percent of CO emissions nationwide. Higher concentrations generally occur in areas with heavy traffic congestion. In cities, 85 to 95 percent of CO emissions may come from motor vehicle exhaust. Other sources include industrial processes (i.e., metals processing and chemical manufacturing), residential wood burning, and natural sources such as forest fires. The highest ambient levels of CO typically occur during the colder months of the year when temperature inversions are more frequent. The air pollution becomes trapped near the ground beneath a layer of warm air.

Carbon monoxide can cause harmful health effects by reducing oxygen delivery to the body’s organs (i.e., heart and brain) and tissues. The health threat from lower levels of CO is most serious for those who suffer from heart disease, like angina, clogged arteries, or congestive heart failure. For a person with heart disease, a single exposure to low levels of CO may cause chest pain and a reduced ability to exercise. Repeated exposures may contribute to other cardiovascular effects. Even healthy people can be affected by high levels of CO. Exposure to high levels can result in vision problems, reduced ability to work or learn, reduced manual dexterity, and difficulty performing complex tasks. At extremely high levels, CO is poisonous and can cause death.

Nitrogen Dioxide (NO₂)

Nitrogen dioxide is one of a group of highly reactive gasses known as “oxides of nitrogen”, or “nitrogen oxides (NO_x)”. Other nitrogen oxides include nitrous acid and nitric acid (NO). While EPA’s NAAQS covers this entire group of NO_x, NO₂ is the component of greatest interest and the indicator for the larger group of NO_x. NO₂ forms quickly from emissions from cars, trucks and buses, power plants, and off-road equipment. In addition to contributing to the formation of ground-level ozone and fine particle pollution, NO₂ is linked with a number of adverse effects on the respiratory system.

Current scientific evidence links short-term NO₂ exposures, ranging from 30 minutes to 24 hours, with adverse respiratory effects including airway inflammation in healthy people and increased respiratory symptoms in people with asthma. Also, studies show a connection between breathing elevated short-term NO₂ concentrations, and increased visits to emergency departments and hospital admissions for respiratory issues, especially asthma.

NO₂ concentrations in vehicles and near roadways are appreciably higher than those measured at monitors in the current network. In fact, in-vehicle concentrations can be 2 to 3 times higher than measured at nearby area-wide monitors. Near-roadway (within about 50 meters) concentrations of NO₂ have been measured to be approximately 30 to 100 percent higher than concentrations away from roadways.

Individuals who spend time on or near major roadways can experience short-term NO₂ exposures considerably higher than measured by the current network. Approximately 16 percent of US housing units (approximately 48 million people) are located within 300 feet of a major highway, railroad, or airport. This population likely includes a higher proportion of non-white and economically-disadvantaged people. NO₂ exposure concentrations near roadways are of particular concern for susceptible individuals, including people with asthma asthmatics, children, and the elderly.

NO_x react with ammonia, moisture, and other compounds to form small particles. These small particles penetrate deeply into sensitive parts of the lungs and can cause or worsen respiratory disease, such as emphysema and bronchitis, and can aggravate existing heart disease, leading to increased hospital admissions and premature death. Ozone is formed when NO_x and volatile organic compounds react in the presence of heat and sunlight. Children, the elderly, people with lung diseases such as asthma, and people who work or exercise outside are at risk for adverse effects from ozone. These include reduction in lung function and increased respiratory symptoms as well as respiratory-related emergency department visits, hospital admissions, and possibly premature deaths.

Emissions that lead to the formation of NO₂ generally also lead to the formation of other NO_x. Emissions control measures leading to reductions in NO₂ can generally be expected to reduce population exposures to all gaseous NO_x. This may have the important co-benefit of reducing the formation of ozone and fine particles both of which pose significant public health threats.

Sulfur Dioxide (SO₂)

Sulfur dioxide is one of a group of highly reactive gasses known as “oxides of sulfur”. The largest sources of SO₂ emissions are from fossil fuel combustion at power plants (66 percent) and other industrial facilities (29 percent). Smaller sources of SO₂ emissions include industrial processes such as extracting metal from ore, and the burning of high sulfur containing fuels by locomotives, large ships, and non-road equipment. SO₂ is linked with a number of adverse effects on the respiratory system.

Current scientific evidence links short-term exposures to SO₂, ranging from 5 minutes to 24 hours, with an array of adverse respiratory affects including bronchoconstriction and increased asthma symptoms. These effects are particularly important for asthmatics at elevated ventilation rates (i.e., while exercising or playing.). Studies also show a connection between short-term exposure and increased visits to emergency departments and hospital admissions for respiratory illnesses, particularly in at-risk populations including children, the elderly, and asthmatics.

EPA’s SO₂ NAAQS is designed to protect against exposure to the entire group of sulfur oxides (SO_x). SO₂ is the component of greatest concern and is used as the indicator for the larger group of SO_x. Other gaseous sulfur oxides (i.e., SO₃) are found in the atmosphere at concentrations much lower than SO₂.

Emissions leading to high concentrations of SO₂ generally also lead to the formation of other SO_x. Control measures that reduce SO₂ can generally be expected to reduce people’s exposures to all gaseous SO_x. This may have the important co-benefit of reducing the formation of fine sulfate particles, which pose significant public health threats.

SO_x can react with other compounds in the atmosphere to form small particles. These particles penetrate deeply into sensitive parts of the lungs and can cause or worsen respiratory disease, such as emphysema and bronchitis, and can aggravate existing heart disease, leading to increased hospital admissions and premature death. EPA’s PM NAAQS are designed to provide protection against these health effects.

Lead (Pb)

Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. As a result of EPA’s efforts to remove lead from gasoline, ambient lead levels decreased 94 percent between 1980 and 1999. Today, the highest levels of Pb in air are usually found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead -acid battery manufacturers.

In addition to exposure to lead in air, other major exposure pathways include ingestion of lead in drinking water and lead-contaminated food as well as incidental ingestion of lead-contaminated soil and dust. Lead-based paint remains a major exposure pathway in older homes.

Once taken into the body, lead distributes throughout the body in the blood and is accumulated in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems and the cardiovascular system. Lead exposure also affects the oxygen carrying capacity of the blood. The effects most commonly encountered in current populations are neurological effects in children and cardiovascular effects (i.e., high blood pressure and heart disease) in adults. Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ.

National Ambient Air Quality Standards

The Clean Air Act requires the EPA to establish NAAQS for pollutants considered harmful to public health and the environment. Two types of NAAQS have been established; primary and secondary standards. Primary standards set limits to protect public health, especially that of sensitive populations such as asthmatics, children, and seniors. Secondary standards set limits to protect public welfare, including protections against decreased visibility, damage to animals, crops, and buildings.

The EPA has set NAAQS for seven principal pollutants, which are called “criteria” pollutants. They are listed in Title 40 of the Code of Federal Regulations (CFR) Part 50 and summarized in Table 1 below. The units of measure for the standards are parts per million (ppm) or billion (ppb) by volume, milligrams per cubic meter of air (mg/m^3), or micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$).

Table 1
National Ambient Air Quality Standards (as of December 31, 2011)

Pollutant	Primary Standard		Secondary Standard	
	Averaging Time	Concentration	Averaging Time	Concentration
PM ₁₀	24-hour	150 $\mu\text{g}/\text{m}^3$	Same as primary	
PM _{2.5}	24-hour	35 $\mu\text{g}/\text{m}^3$	Same as primary	
	Annual	15 $\mu\text{g}/\text{m}^3$	Same as primary	
O ₃	8-hour	0.075 ppm	Same as primary	
CO	1-hour	35 ppm	None	
	8-hour	9 ppm	None	
NO ₂	Annual (arithmetic mean)	0.053 ppm	Same as primary	
	1-hour	100 ppb	None	
SO ₂	1-hour	75 ppb	None	
			3-hour	0.5 ppm
Pb	Rolling 3-month average	0.15 $\mu\text{g}/\text{m}^3$	Same as primary	
	Quarterly average (until December 31, 2012)	1.5 $\mu\text{g}/\text{m}^3$	Same as primary	

Ambient Air Monitoring Network

The AQMD began monitoring ambient air quality in Washoe County in the 1970's and the monitoring network has grown and evolved since this time. This trends report provides a summary of data collected from ambient air monitoring sites in Washoe County that the AQMD operated and maintained between 2002 and 2011 to measure PM₁₀, PM_{2.5}, O₃, CO, and NO₂.

Each monitoring site is classified into one of two major categories - SLAMS (State or Local Air Monitoring Station) and SPM (Special Purpose Monitoring). SLAMS consist of a network of monitoring stations whose size and distribution is largely determined by the monitoring requirements for NAAQS comparison. SLAMS in the AQMD's network can be further classified as NCore (National Core monitoring network) or STN (Speciation Trends Network).

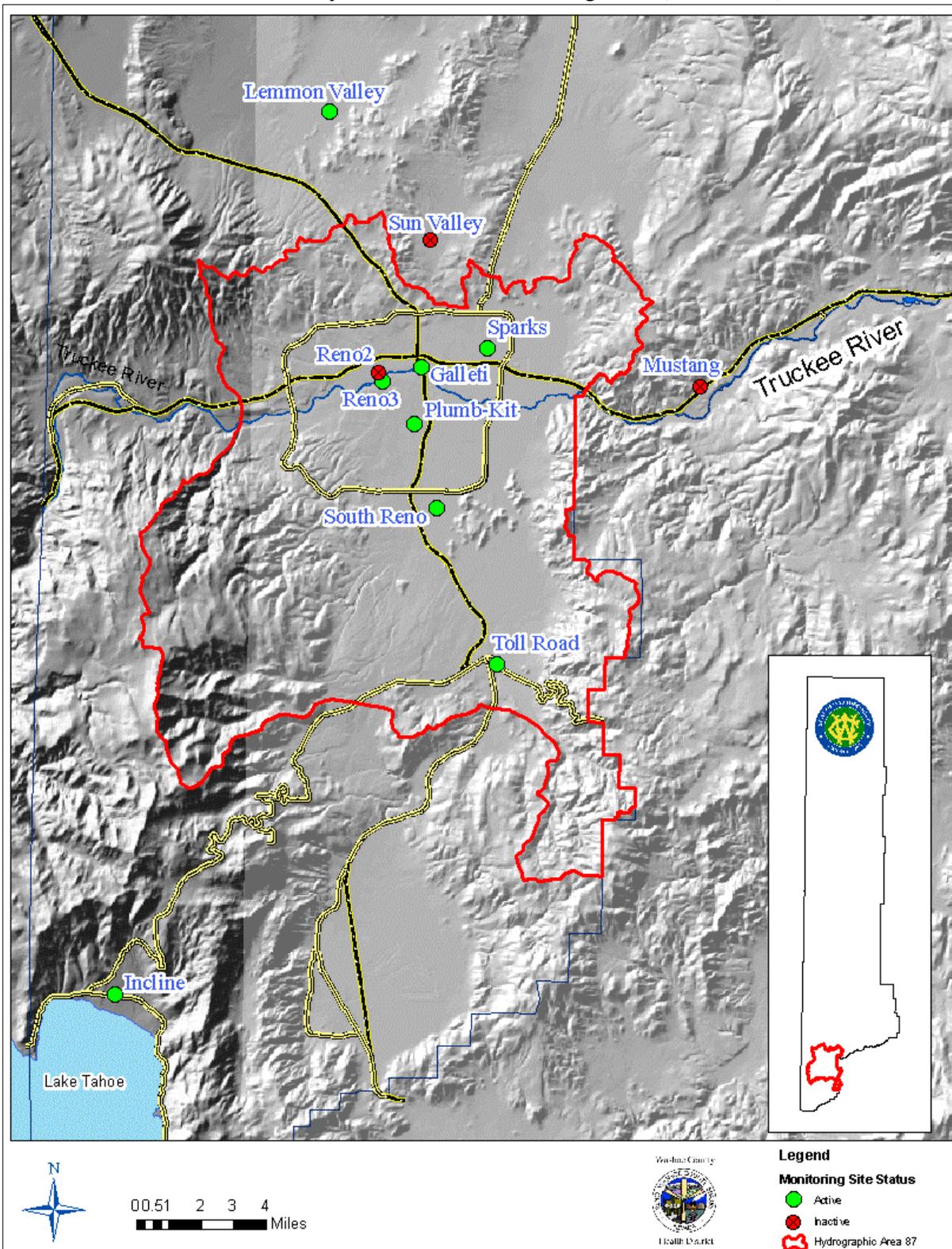
The AQMD's monitoring stations are sited in accordance with 40 CFR 58 and utilize equipment designated as reference or equivalent methods.¹ In addition, the network is reviewed annually² to ensure the network meets the monitoring objectives defined in 40 CFR 58, Appendix D. Ambient air monitoring data are collected, quality assured,³ and recorded in AQS. Figure 2 displays the ambient air monitoring sites operated between 2002 and 2011. For specific details regarding the ambient air monitoring network, refer to the AQMD's "2011 Ambient Air Monitoring Network Plan" and "2010 Ambient Air Monitoring Network Assessment".

¹ 40 CFR 53.

² 40 CFR 58.10.

³ 40 CFR 58.

Figure 2
 Washoe County Ambient Air Monitoring Sites (2002-2011)



Currently Operating

Reno 3 (RNO)

AQS ID 32-031-0016 (SLAMS/NCore/STN)

Located at 301 “A” State Street in downtown Reno, this site began operation in January 2002 to replace the Reno site. Both a residential neighborhood and a commercial growth area surround this site. As of January 1, 2011, Reno 3 became an NCore site. The pollutants measured are PM₁₀, PM_{2.5}, PM_{coarse}, O₃, Trace CO, Trace SO₂, NO_x, and Trace NO_y. Meteorological parameters including ambient temperature, barometric pressure, relative humidity, wind speed, wind direction, and precipitation are also measured. This site is also part of EPA’s national Speciation Trends Network (STN). The monitoring objectives follow those set forth by EPA for an Ncore site.

Figure 3
Reno 3 Monitoring Site



South Reno (SRN)

AQS ID 32-031-0020 (SLAMS)

Located on the NV Energy property at 4110 Delucchi Lane in Reno, this site is in a transitional environment between open fields and office buildings. This site’s monitoring objective is population oriented for PM₁₀, O₃, and CO.

Figure 4
South Reno Monitoring Site



Galletti (GAL)
AQS ID 32-031-0022 (SLAMS)

Located at 305 Galletti Way in Reno, this site is southeast of the Interstate 80 - US Highway 395 interchange in a commercial/industrial area. The Galletti site, which monitors PM₁₀ and CO, is heavily impacted by on-road vehicle emissions from interstate highways. The monitoring objective is to determine highest concentrations of PM₁₀ and is population oriented for CO.

Figure 5
Galletti Monitoring Site



Toll (TOL)
AQS ID 32-031-0025 (SLAMS)

The Toll Road site is located at 684A State Route 341 (Geiger Grade), one-half mile east of US Highway 395. The site is near the edge of a residential neighborhood and adjacent to an area that may become commercially developed. It is a background site for PM₁₀ and CO. This site also monitors typical concentrations of O₃. A nearby school bus depot is not believed to have impacted the site.

Figure 6
Toll Monitoring Site



Plumb-Kit (PLM)

AQS ID 32-031-0030 (SLAMS)

Located at 891 East Plumb Lane in Reno, this site is on the northeast corner of Plumb Lane and Kietzke Lane. This site is surrounded by both residential and commercial properties as well as a school. The only pollutant measured at this site is PM₁₀. The monitoring objective is population oriented for PM₁₀.

Figure 7
Plumb-Kit Monitoring Site



Sparks (SPK)

AQS ID 32-031-1005 (SLAMS/SPM)

Located on US Postal Service property at 750 Fourth Street in Sparks, this site is surrounded by commercial property, a residential neighborhood, and is adjacent to a school. In 2007, the Sparks site was moved approximately 55 meters north of its previous location, due to tree growth affecting siting criteria. The site has a population oriented monitoring objective for PM₁₀ and O₃ and determines highest concentrations of CO. In 2011, this site began special purpose monitoring (SPM) for PM_{2.5}.

Figure 8
Sparks Monitoring Site



Incline (INC)
AQS ID 32-031-2002 (SLAMS)

Located at 855 Alder Drive in Incline Village, this site is outside HA 87. It is located in a residential/commercial neighborhood, where the monitoring objective is population oriented for O₃. The AQMD had monitored PM₁₀ (1993-2002) and CO (1993-2002). This site was temporarily closed from December 2005 to May 2008 for building remodeling. By multi-agency cooperative agreement, the California Air Resources Board (CARB) monitored PM_{2.5} (1999-2002) and NO₂ (1999-2002). Since May 2008 this site only monitors for O₃.

Figure 9
Incline Monitoring Site



Lemmon Valley (LEM)
AQS ID 32-031-2009 (SLAMS)

Located at the Joe Mitchell Community Center at 325 Patrician Drive in Reno, this site is outside HA 87. It is in a transitional area among residences, parks, and open fields. The pollutants monitored are O₃ and CO. The monitoring objective is population oriented.

Figure 10
Lemmon Valley Monitoring Site



No Longer Operating

Reno (RNO)

AQS ID 32-031-0016 (SLAMS/SPM)

This site was located in a downtown Reno commercial area at 250 North Lake Street. In April 1995, it was relocated approximately 300 feet north to the southwest corner of Plaza Street and Evans Avenue. The pollutants measured were PM₁₀, O₃, and CO (SLAMS). In addition, special purpose monitoring (SPMS) for NO₂ began in 1996 and was reclassified as (SLAMS) in 2005. PM_{2.5} monitoring (SLAMS) began in 1999. The Reno site was displaced and shut down in January 2003 because of the ReTRAC (Reno Transportation Rail Access) Project.

Sun Valley (SUN)

AQS ID 32-031-2006 (SLAMS)

This PM₁₀ site at 5399 Sun Valley Drive was located in a residential area outside HA 87. PM₁₀ monitoring continued until the site was shut down in March 2005.

Mustang (MST)

(SPM)

This remote site was located north of Interstate 80 near the Mustang exit (Exit 23) in southeastern Washoe County and is no longer used. The Mustang site was operational from 1993 to 2002 and monitored PM₁₀ (1993-1998), O₃ (1993-2002), and CO (1995-1998).

A Review of 2011

The year started off with a six week dry spell in January and the first half of February. During this time, air stagnation resulted in three out of the four highest 24-hour PM_{2.5} and PM₁₀ concentrations for the entire year.

Well above normal precipitation occurred from mid-February through late March. Although brief warm spells occurred at times in April and May, several storm systems and cold front passages occurred during the month of May and early June producing cool and wet conditions, with additional snow in the Sierra and the Lake Tahoe basin. Daytime temperatures were up to 25 degrees below normal during these events. By June 1, the snowpack in the Sierra was still between 220 and 260 percent of normal, and over 450 percent of normal in the Tahoe Basin. In lower elevations, fuels which usually cure in the late spring were too moist to support sustained burning several weeks later than normal.

Warmer and drier conditions returned to the region during the last two weeks of June, when two 8-hour ozone NAAQS exceedances occurred, on June 25 at 0.076 ppm and June 26 at 0.081 ppm. Seven large fires occurred in July. Most of the large fires burned during the second half of the month, some of which were ignited by lightning.

Thunderstorms were sparse in August, dry conditions prevailed for most of the month of September, and two precipitation events during the first ten days of October led to the conclusion of the peak fire season.

A fall season which produced sparse precipitation led to very dry fuels over western Nevada. Although the peak fire season had ended, the most destructive fire of the year occurred on November 18. The “Caughlin” fire in southwest Reno began in the early morning in steep terrain and was driven by high wind gusts up to 70 mph which continued through the day, spreading the fire through a large residential area. The highest PM₁₀ concentration of the year occurred on this day at 122 µg/m³, due mainly to blowing dust and not wildfire smoke. 29 homes were destroyed with 8 additional homes damaged before this fire was contained two days later at 1935 acres. Another large fire burned about 2500 acres in a remote area east of Spanish Springs on the 23rd, but no structures were damaged by this fire.

Extremely dry conditions continued through the remainder of 2011, with much of the region receiving no measurable rain or snow after Thanksgiving. There was no precipitation recorded during the month of December in Reno, tying the driest December on record since 1870. Strong temperature inversions and stagnant air conditions led to a December with six days in the “Unhealthy for Sensitive Groups” AQI range, and our highest 24-hour PM_{2.5} concentration occurring on December 26 at 30.5 µg/m³.

Table 2 summarizes NAAQS exceedances in 2011 by pollutant, averaging period, and dates.

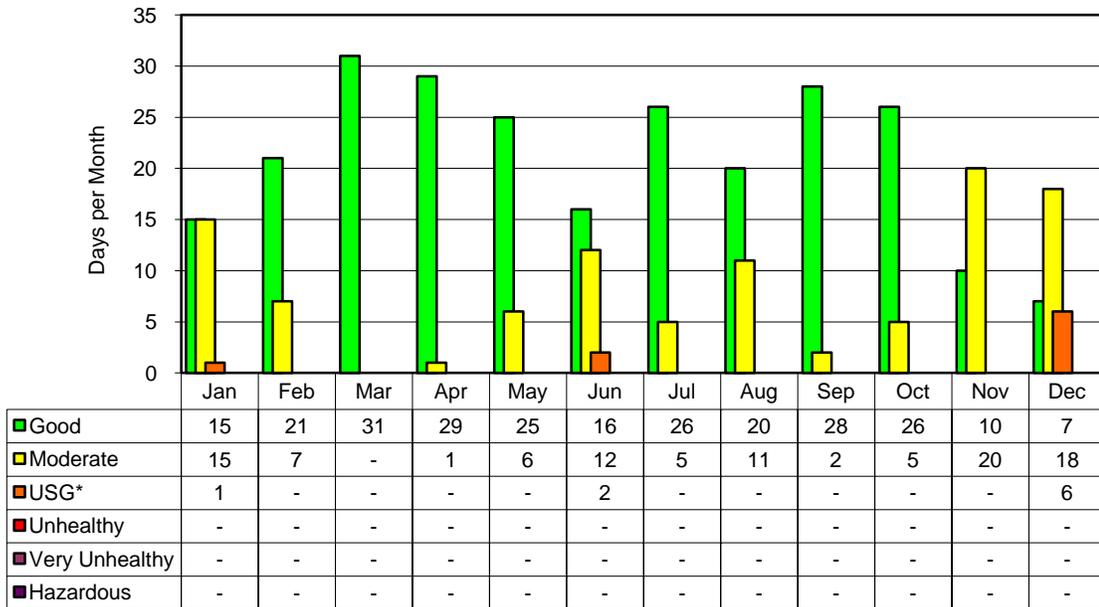
Table 2
2011 Exceedances Summary

Pollutant	Averaging Period	Exceedance Dates
PM ₁₀	24-hour	None
PM _{2.5}	24-hour	None
O ₃	8-hour	June 25 and 26
CO	1-hour	None
	8-hour	None
NO ₂	1-hour	None
SO ₂	1-hour	None
	3-hour	None
Pb	Quarterly	Not required to monitor based on population size and lack of significant Pb sources.
	Rolling 3-month	

Figure 11 summarizes the 2011 air quality by month and Air Quality Index (AQI) categories. The AQI is an index for reporting daily air quality that has been established by EPA which informs the public how clean or polluted the air is, and what associated health effects might be a concern. The AQI is reported to the public via an email list and the AQMD's air quality hotline ((775) 785-4110). The email and hotline are updated daily, and more often during air pollution episodes. PM, CO, NO₂, and SO₂ concentrations are typically higher in the winter months while higher O₃ concentrations are more typical during the summer months.

The AQMD operates two types of monitors for PM₁₀ and PM_{2.5} - Beta Attenuation Monitors (BAMs) and filter-based monitors. BAMs collect PM data on an hourly basis 24 hours per day, 365 days per year. Filter-based PM monitors operate on a 1 in 3, or 1 in 6 day sampling schedule. These sampling schedules provide approximately 122 (1 in 3) or 61 (1 in 6) samples per year. EPA provides design value calculation guidance which makes "less than daily sampling" data statistically equivalent to daily methods. Because of these differences in PM monitoring frequency for AQI and NAAQS compliance purposes, the totals in Table 2 may not be consistent with the data in Figures 11-15.

Figure 11
Monthly AQI Summary for All Pollutants (2011)



* Unhealthy for Sensitive Groups

The next four figures are pollutant specific and summarize Washoe County's air quality for the previous year by pollutant, month, and AQI categories.

Figure 12
Monthly AQI Summary of PM₁₀ (2011)

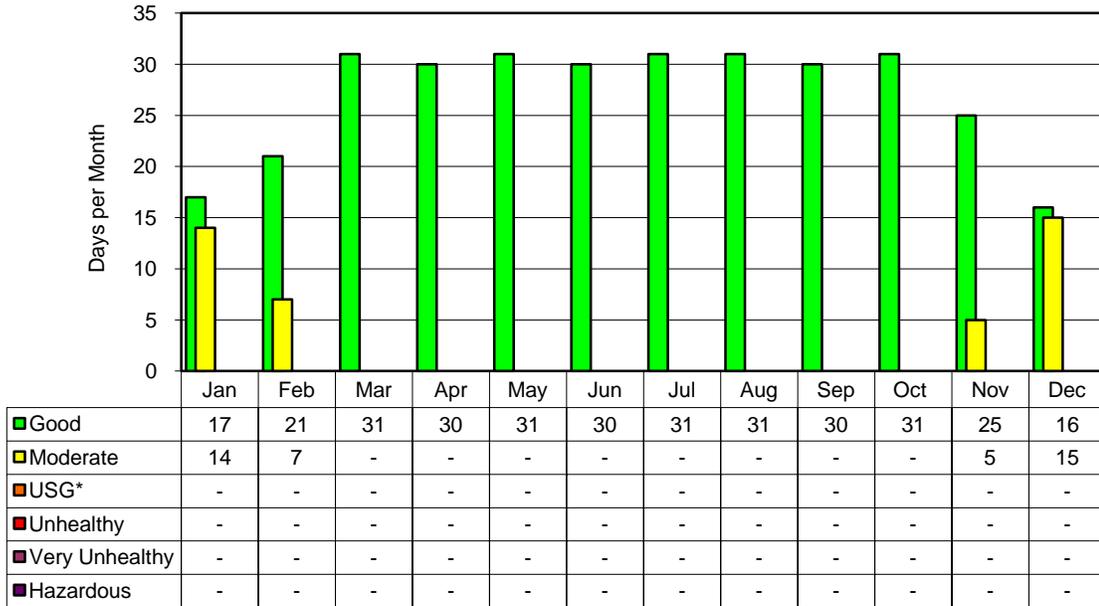
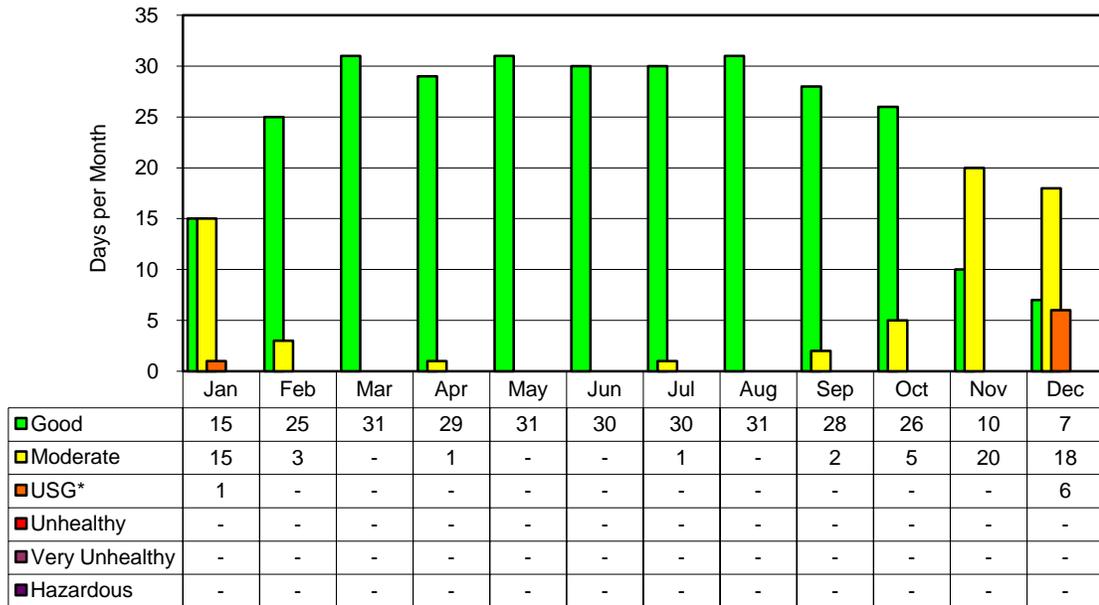


Figure 13
Monthly AQI Summary of PM_{2.5} (2011)



* Unhealthy for Sensitive Groups

Figure 14
Monthly AQI Summary of O₃ (2011)

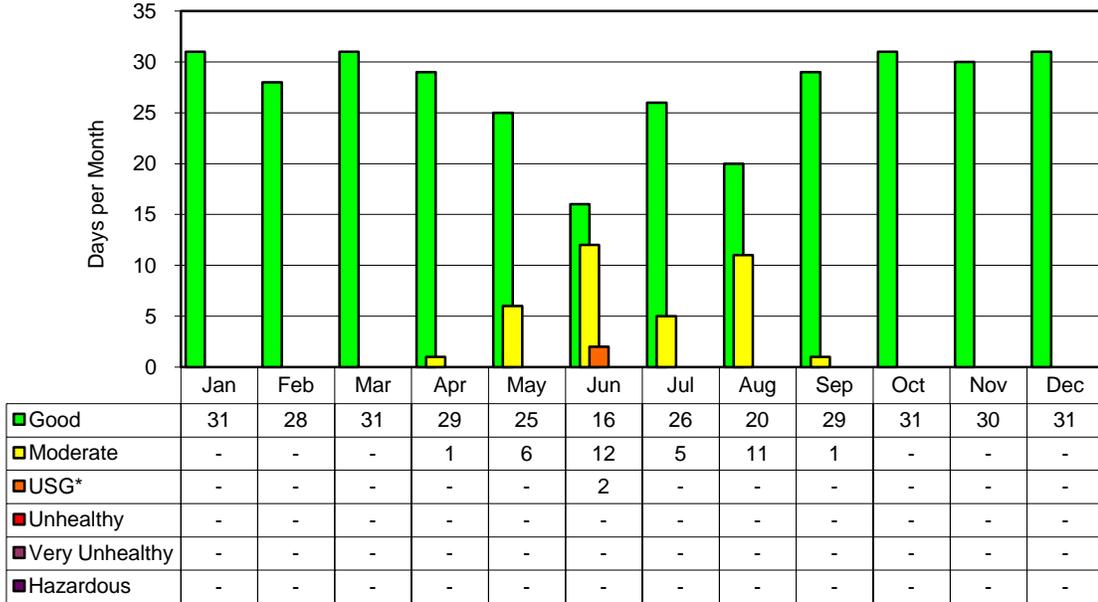
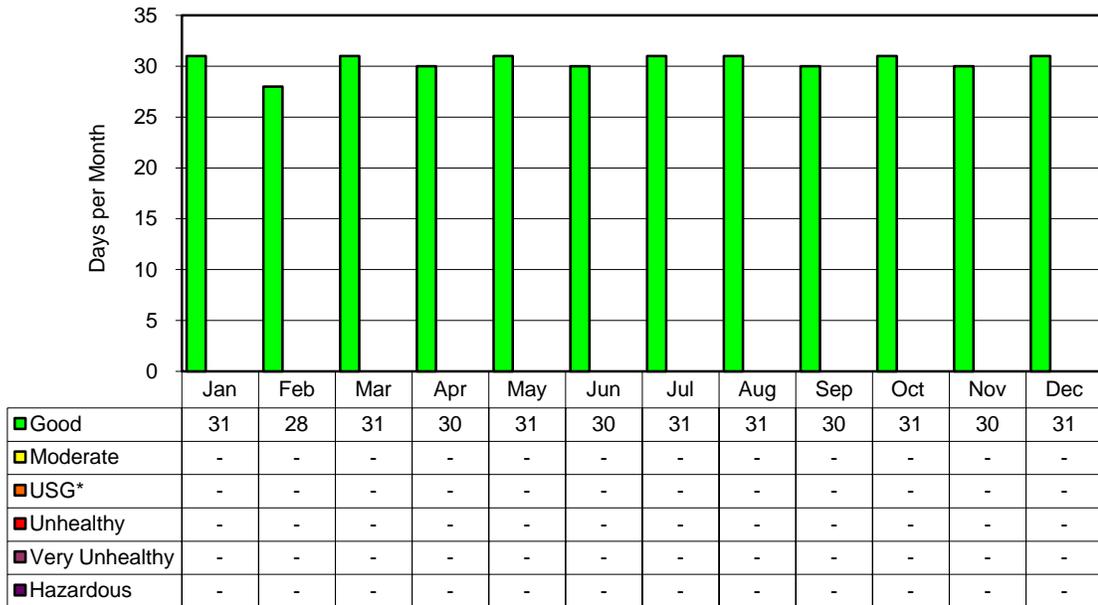


Figure 15
Monthly AQI Summary of CO (2011)



* Unhealthy for Sensitive Groups

Current Design Values and Attainment Status

Table 3 summarizes Washoe County's current design values and designations for each NAAQS. The designations are also codified in 40 CFR 81.329.

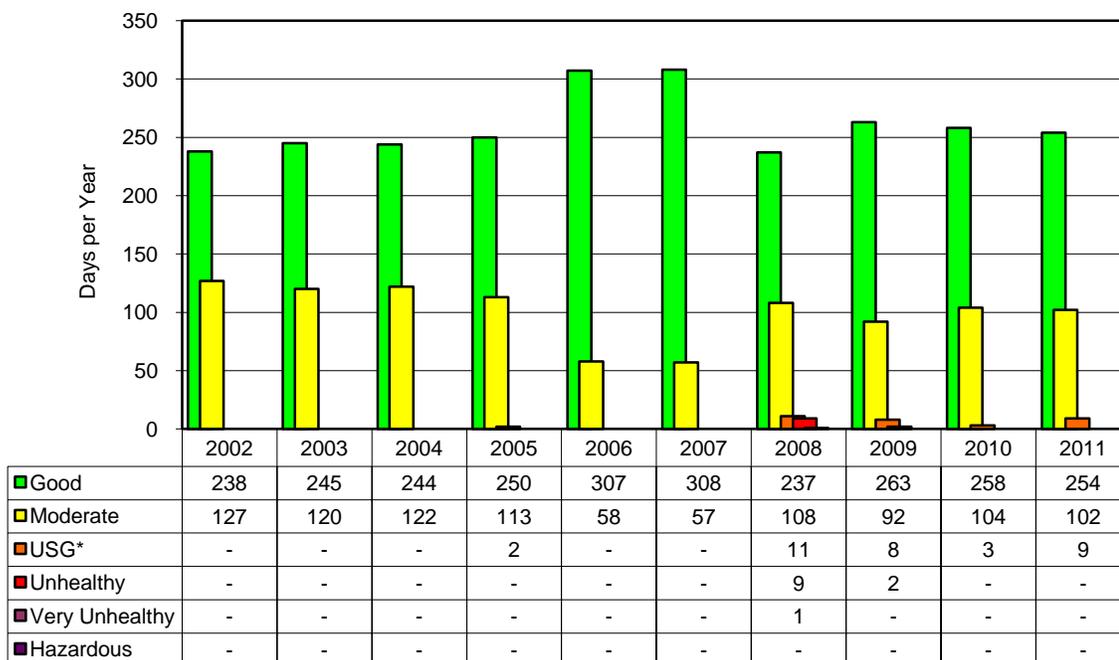
Table 3
Design Values and Attainment Status (as of December 31, 2011)

Pollutant	NAAQS		Design Value	Designation (Geographic Area)
	Averaging Time	Level		
PM ₁₀	24-hour	150 µg/m ³	0.0 (Expected Exceedances)	"Serious" Non-Attainment (HA 87)
				Unclassifiable (Remainder of County)
PM _{2.5}	24-hour	35 µg/m ³	25.9 µg/m ³	Attainment (HA 87)
				Unclassifiable / Attainment (Remainder of County)
	Annual	15.0 µg/m ³	6.9 µg/m ³	Attainment (HA 87)
				Unclassifiable / Attainment (Remainder of County)
O ₃	8-hour	0.075 ppm	0.066 ppm	Unclassifiable / Attainment (Entire County)
CO	1-hour	35 ppm	3.4 ppm	Attainment (HA 87)
				Unclassifiable/ Attainment (Remainder of County)
	8-hour	9 ppm	2.6 ppm	Attainment (HA 87)
				Unclassifiable / Attainment (Remainder of County)
NO ₂	Annual (arithmetic mean)	0.053 ppm	0.017 ppm	Attainment (Entire County)
	1-hour	100 ppb	60 ppb	Unclassifiable / Attainment (Entire County)
SO ₂	1-hour	75 ppb	6 ppb	n/a (Entire County) Promulgated in 2010.
Pb	Rolling 3-month average	0.15 µg/m ³	n/a	Unclassifiable / Attainment (Entire County)
	Quarterly Average (until December 31, 2012)	1.5 µg/m ³	n/a	

Ten-Year Air Quality Trend

Figure 11 summarizes the ten-year trend in AQI between 2002 and 2011. NAAQS revisions in 2006 and 2008 resulted in changes to AQI category ranges and the number of days per year within those ranges.

Figure 16
AQI Trend (2002-2011)



* Unhealthy for Sensitive Groups

Notes

2006: 1-hour O₃ NAAQS rescinded. Reporting of AQI for 1-hour O₃ discontinued in June.

Reporting of AQI for 8-hour O₃ began in June.

24-hour PM_{2.5} NAAQS lowered from 65 to 35 □g/m

2007: Reporting of AQI for PM_{2.5} began in July.

2008: 8-hour O₃ NAAQS lowered from 0.08 to 0.075 ppm.

2010: No AQI for PM_{2.5} from Oct 21 to Dec 31.

The next subsection provides one-page summaries of the ten-year trend for each pollutant monitored. The summaries also provide information about the latest year including exceedances, maximum concentrations, and design values.

PM₁₀ (24-hour)

NAAQS Level: 150 µg/m³

Current Designation: “Serious” Non-Attainment (HA 87); Unclassifiable (Remainder of County)

2011 Exceedances: 0

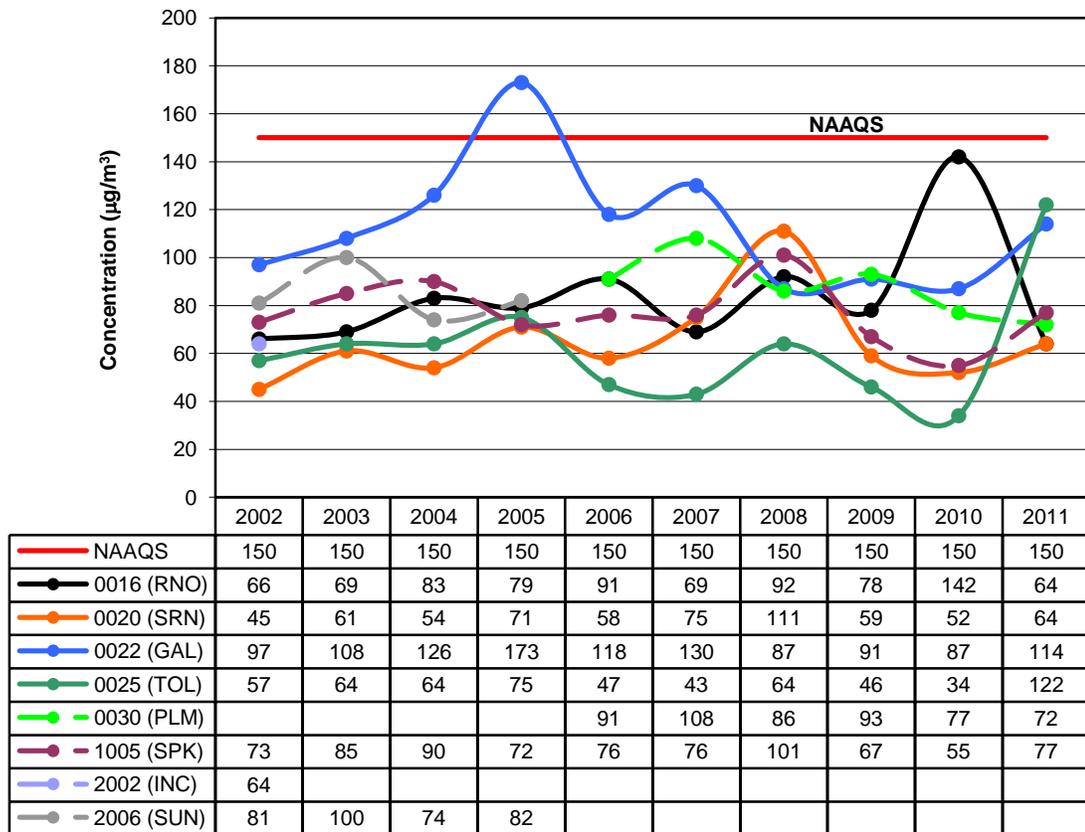
2011 Expected Exceedances: 0.0

2011 First High: 122 µg/m³ (Nov 18 - TOL)

2011 Design Value: 0.0 expected exceedances

Notes: In 2006, EPA revoked the annual NAAQS of 50 µg/m³ (71 FR 61144). In July 2009, a revision to the PM₁₀ State Implementation Plan (SIP) was submitted to EPA Region IX requesting redesignation of HA 87 to Attainment/Maintenance of the 24-hour NAAQS. On April 19, 2011, EPA published a final rule (76 FR 21807) finding that the: 1) Truckee Meadows failed to attain the NAAQS by the applicable date; and 2) the Truckee Meadows is currently attaining the NAAQS based on recent monitoring data (2007-2009). The rule does not change the “Serious” non-attainment designation. In 2010, 1 in 3 day sampling began at the Reno3 site. The remainder of the PM₁₀ network operates on a 1 in 6 day sampling schedule.

Figure 17
24-hour PM₁₀ Concentrations (1st Highs)



PM_{2.5} (24-hour)

NAAQS Level: 35 µg/m³

Current Designation: Attainment (HA 87), and Unclassifiable/Attainment (Remainder of County)

2011 Exceedances: 0

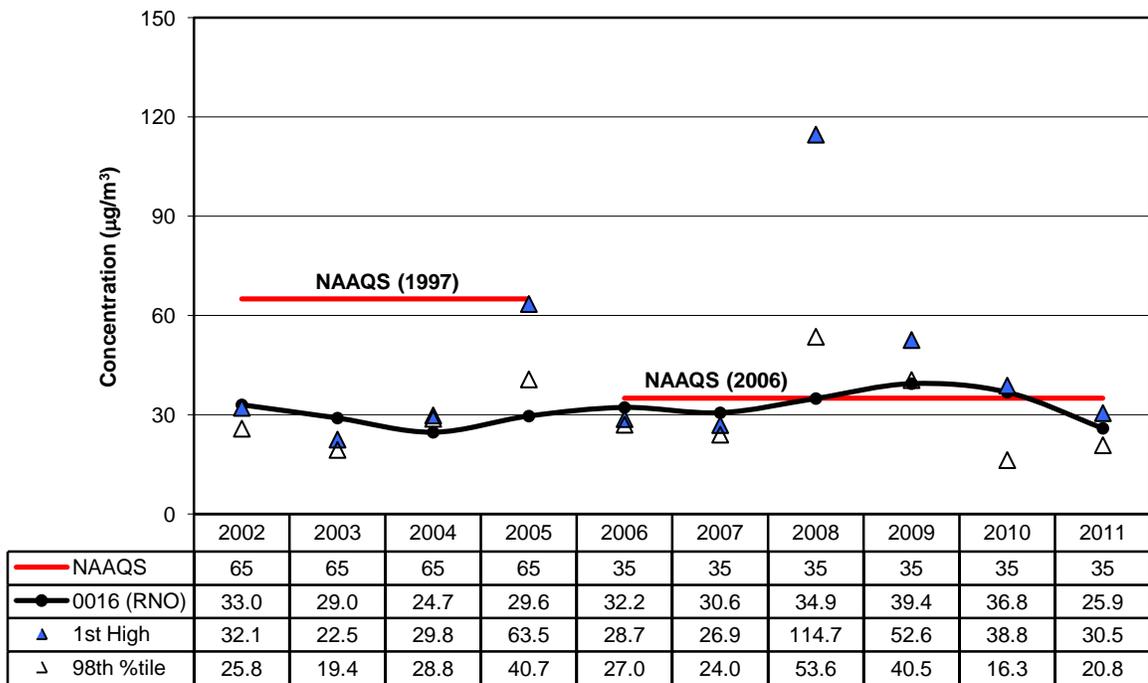
2011 First High: 30.5 µg/m³ (Dec 26 - RNO)

2011 98th Percentile: 20.8 µg/m³ (Jan 6 - RNO)

2011 Design Value: 25.9 µg/m³

Notes: PM_{2.5} was monitored at one site (RNO) during this period. In 2006, EPA revised and lowered the NAAQS from 65 to 35 µg/m³ (71 FR 61144). Ambient air monitoring data from June/July 2008 were influenced by wildfires in Northern California. An exceptional events request was submitted to EPA Region IX in October 2009. As of May 10, 2011, EPA has not taken action on the request and is not anticipated to do so. The design values will include these data unless EPA determines concurrence with the request.

Figure 18
24-hour PM_{2.5} Concentrations (3-year Average of 98th Percentiles; 1st Highs; and 98th Percentiles)



PM_{2.5} (Annual)

NAAQS Level: 15 µg/m³

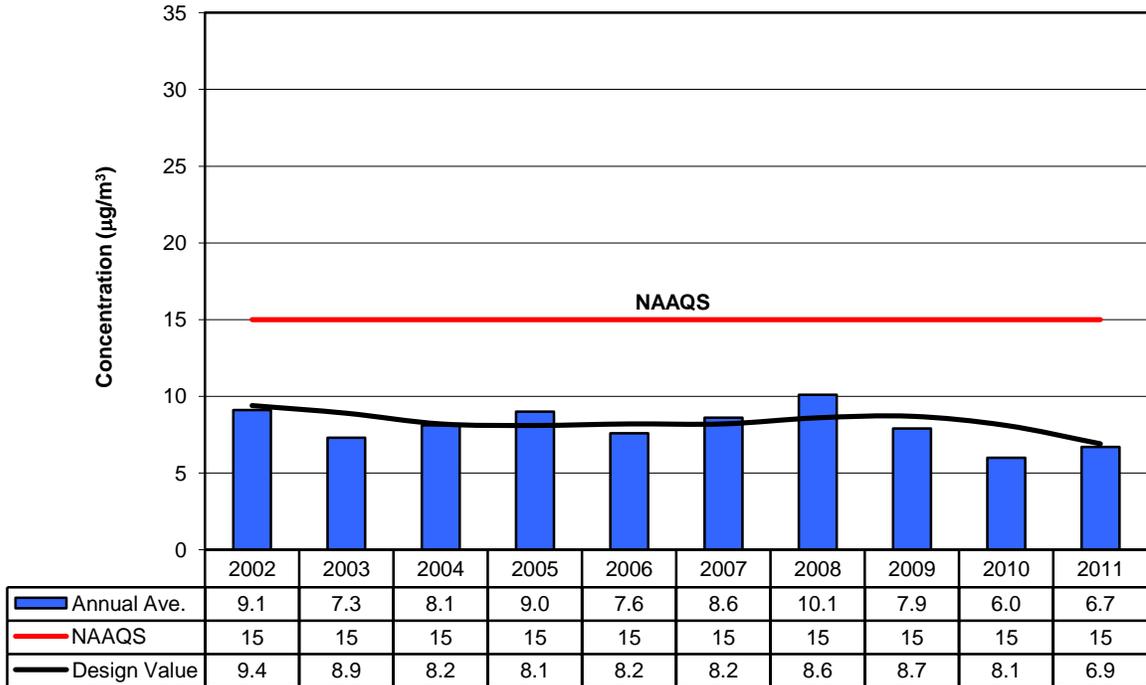
Current Designation: Attainment (HA 87), and Unclassifiable/Attainment (Remainder of County)

2011 Annual Average: 6.7 µg/m³

2011 Design Value: 6.9 µg/m³

Notes: PM_{2.5} was monitored at one site (RNO) during this period. In 2006, EPA reviewed and retained the annual NAAQS of 15 µg/m³ (71 FR 61144). Ambient air monitoring data from June/July 2008 were influenced by wildfires in Northern California. An exceptional events request was submitted to EPA Region IX in October 2009. As of May 10, 2011, EPA has not taken action on the request and is not anticipated to do so. The design values will include these data unless EPA determines concurrence with the request.

Figure 19
Annual PM_{2.5} Concentrations and Design Values



O₃ (8-hour)

NAAQS Level: 0.075 ppm

Current Designation: Unclassifiable/Attainment (Entire County)

2011 Exceedances: 2 (June 25 and 26 - SPK)

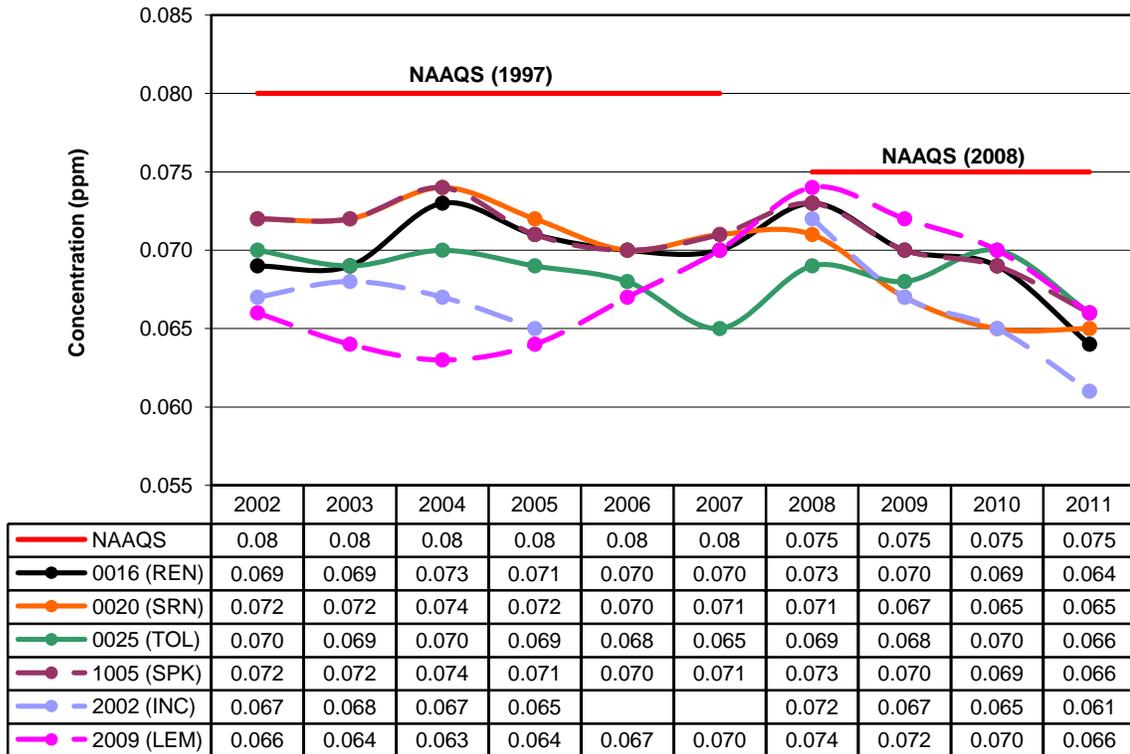
2011 First High: 0.081 ppm (June 26- SPK)

2011 Fourth High: 0.067 ppm (June 9 - SPK)

2011 Design Value: 0.066 ppm

Notes: The NAAQS was revised and lowered in 2008 from 0.08 to 0.075 ppm (73 FR 16436). Ambient air monitoring data from June/July 2008 were influenced by wildfires in Northern California. An exceptional events request was submitted to EPA Region IX in October 2009. As of May 10, 2011, EPA has not taken action on the request and is not anticipated to do so. The design values will include these data unless EPA determines concurrence with the request.

Figure 20
8-hour O₃ Concentrations (3-year Average of 4th Highs)



CO (8-hour)

NAAQS Level: 9 ppm

Current Designation: Attainment (HA 87), and Unclassifiable/Attainment (Remainder of County)

2011 Exceedances: 0

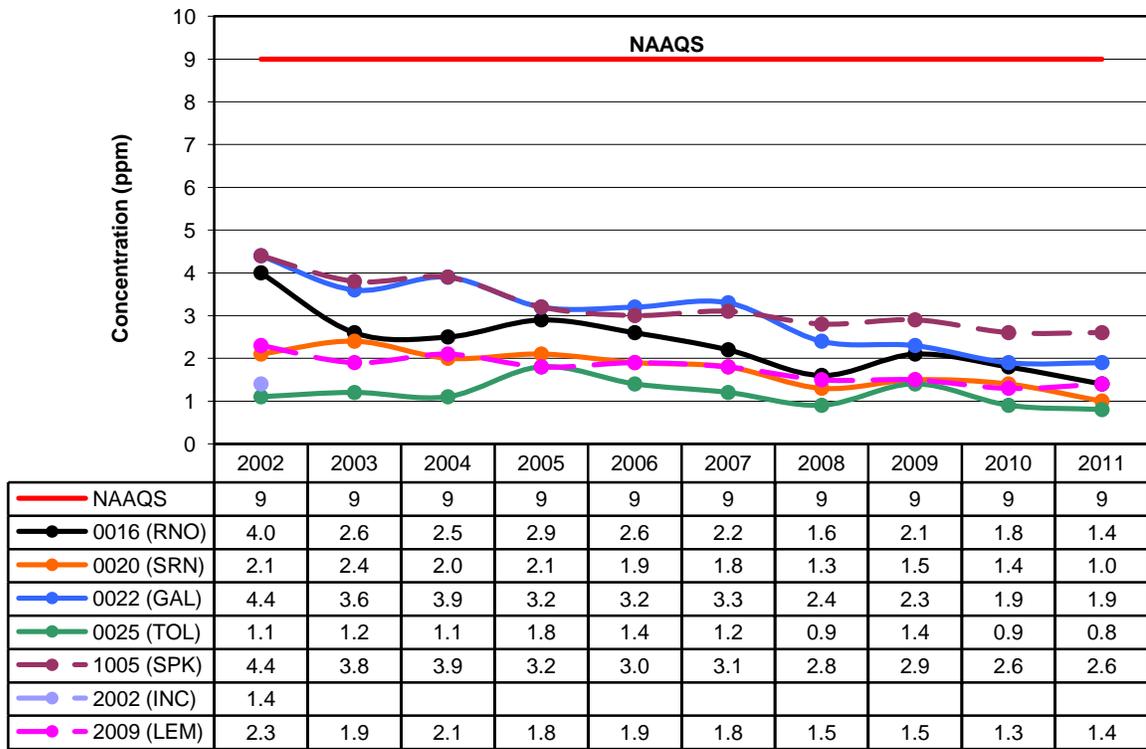
2011 First High: 3.3 ppm (Dec 19 - SPK)

2011 Second High: 2.6 ppm (Dec 11 - SPK)

2011 Design Value: 2.6 ppm

Notes: The last measured exceedance of the 8-hour NAAQS occurred in December 1991.

Figure 21
8-hour CO Concentrations (2nd Highs)



CO (1-hour)

NAAQS Level: 35 ppm

Current Designation: Attainment (HA 87), and Unclassifiable/Attainment (Remainder of County)

2011 Exceedances: 0

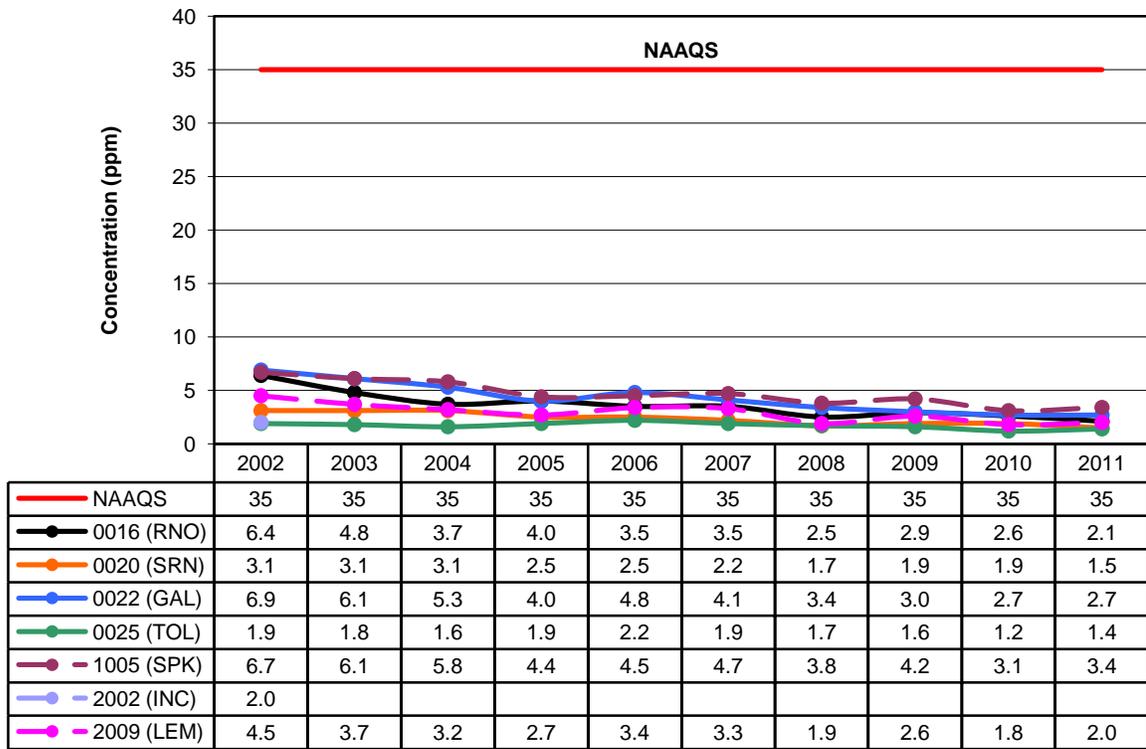
2011 First High: 3.5 ppm (Dec 18 - SPK)

2011 Second High: 3.4 ppm (Dec 19 - SPK)

2011 Design Value: 3.4 ppm

Notes: The AQMD has never measured an exceedance of the 1-hour NAAQS.

Figure 22
1-hour CO Concentrations (2nd Highs)



NO₂ (1-hour)

NAAQS Level: 100 ppb (Promulgated in 2010)

Current Designation: Unclassifiable/Attainment (Entire County)

2011 Exceedances: 0

2011 First High: 71.1 ppb (Dec 28 - RNO)

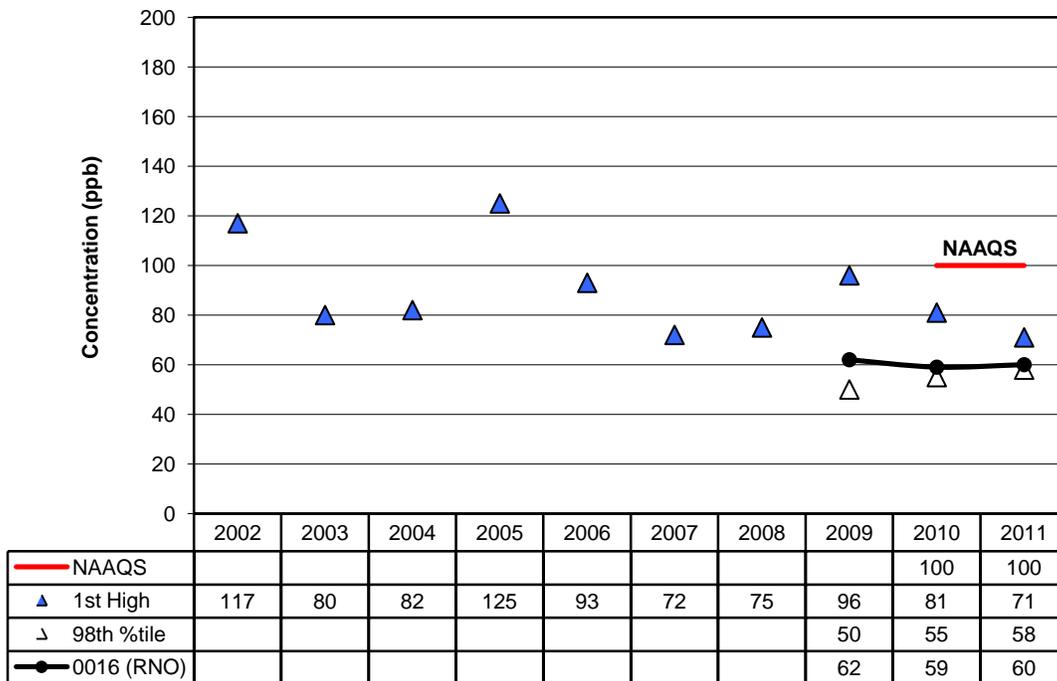
2011 98th Percentile: 58.0 ppb (Dec 21 - RNO)

2011 Design Value: 60 ppb

Notes: NO₂ was monitored at one site (RNO) during this period. In 2010, EPA established a new 1-hour NAAQS of 100 ppb (75 FR 6474).

Figure 23

1-hour NO₂ Concentrations (1st Highs, 98th Percentiles, and 3-Year Average of 98th Percentiles)



NO₂ (Annual)

NAAQS Level: 0.053 ppm

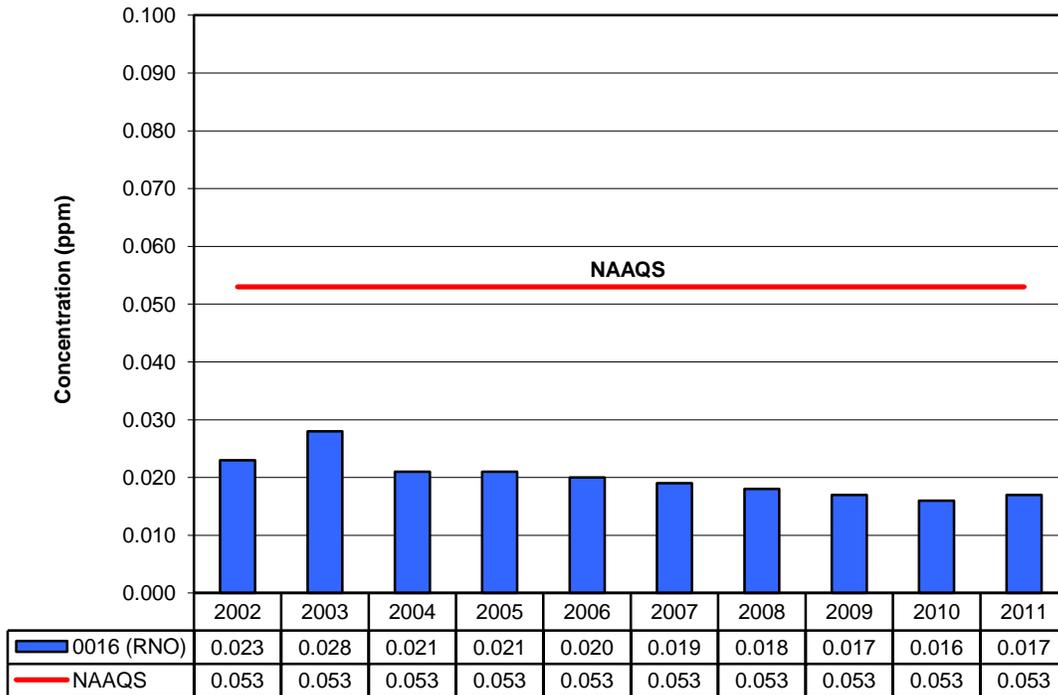
Current Designation: Attainment

2011 Annual Average: 0.017 ppm

2011 Design Value: 0.017 ppm

Notes: NO₂ was monitored at one site (RNO) during this period. In 2010, EPA reviewed and retained the annual NAAQS of 0.053 ppm (75 FR 6474).

Figure 24
Annual NO₂ Concentrations



SO₂ (1-hour, 24-hour, and Annual)

NAAQS Level (1-hour): 75 ppb (Promulgated in 2010)

NAAQS Level (24-hour): 0.14 ppm (Revoked in 2010)

NAAQS Level (Annual): 0.03 ppm (Revoked in 2010)

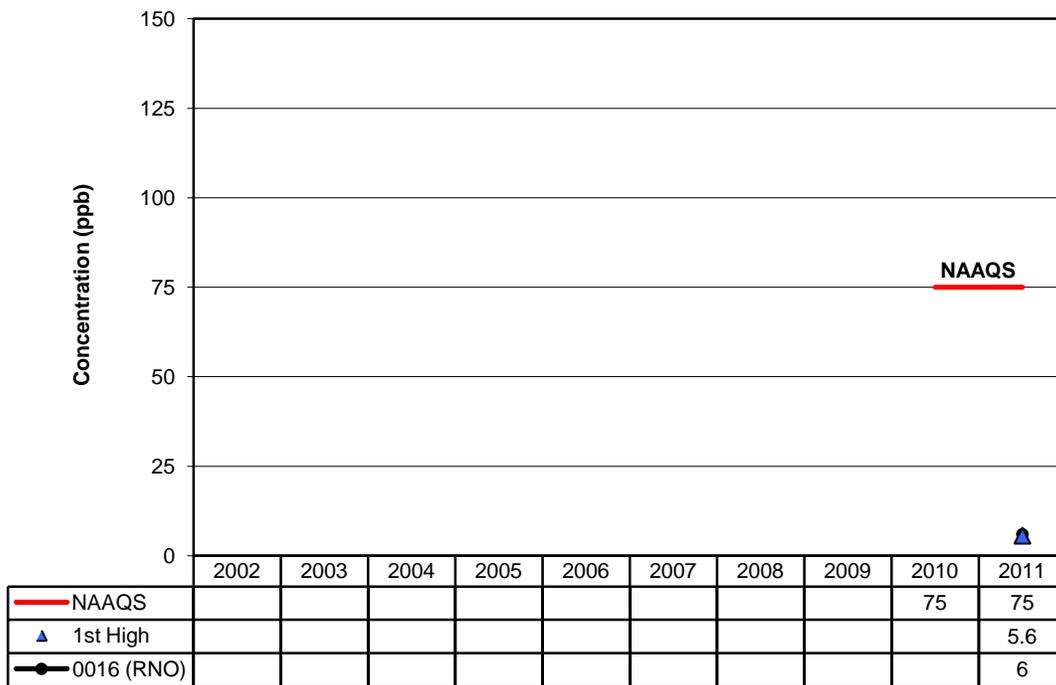
Current Designations: 1-hour (Promulgated in 2010) - See Notes; 24-hour (Revoked in 2010) - Attainment; Annual (Revoked in 2010) – Attainment

2011 First High: 7.6 ppb (Jan 28 – RNO)

2011 Design Value: 6 ppb

Notes: In 2010, EPA established a new 1-hour NAAQS of 75 ppb (75 FR 35520). In that same rule, EPA revoked the 24-hour and annual NAAQS. SO₂ monitoring began at the RNO site on January 1, 2011. On May 3, 2011, the Nevada Division of Environmental Protection submitted an initial recommendation of “Unclassifiable” for all hydrographic areas in the State of Nevada for the 1-hour SO₂ NAAQS to EPA Region IX.

Figure 25
1-hour SO₂ Concentrations (1st Highs, 99th Percentiles)



Appendix A

Detailed Summary of Three Most Recent Years of Data

Washoe County
Ambient Air Monitoring Data
(2011)

Exceedances (2011)

Pollutant	Averaging Period	Exceedance Dates
PM ₁₀	24-hour	None
PM _{2.5}	24-hour	None
O ₃	8-hour	June 25 and 26
CO	1-hour	None
	8-hour	None
NO ₂	1-hour	None
SO ₂	1-hour	None
Pb	3-month	n/a - Pb was not monitored in 2011
	quarterly	

2011 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.8	1.8	28/07	1.8	29/09	1.7	8/07	1.6	22/00
FEB	0.6	1.9	5/06	1.5	4/03	1.4	11/09	1.3	7/08
MAR	0.3	1.0	1/06	0.8	2/00	0.7	17/09	0.7	4/06
APR	0.2	0.5	27/10	0.5	15/08	0.4	6/08	0.4	1/07
MAY	0.3	0.6	6/08	0.6	12/07	0.6	5/08	0.6	11/07
JUN	0.3	0.6	23/08	0.5	22/10	0.5	24/06	0.5	21/21
JUL	0.3	0.5	25/08	0.5	1/22	0.5	5/12	0.5	3/02
AUG	0.3	0.7	5/05	0.5	31/09	0.5	14/05	0.5	13/08
SEP	0.3	0.8	28/06	0.8	19/10	0.7	21/11	0.7	27/22
OCT	0.5	1.4	29/05	1.3	31/09	1.2	24/10	1.1	15/04
NOV	0.5	1.6	28/11	1.5	30/03	1.4	29/10	1.3	15/08
DEC	0.8	1.9	11/07	1.9	26/08	1.8	19/01	1.7	21/09

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.4	1.9	FEB 5/06	1.9	DEC 11/07	1.9	DEC 26/08	1.8	JAN 28/07

* Hour Beginning

2011 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.4	1.0	15/01	1.0	8/05	0.9	4/02	0.9	25/02
FEB	0.3	0.8	4/02	0.8	11/07	0.8	5/02	0.7	10/08
MAR	0.2	0.6	1/06	0.5	4/07	0.5	2/00	0.4	9/07
APR	0.2	0.5	1/07	0.4	4/07	0.3	27/09	0.3	6/07
MAY	0.3	0.5	11/05	0.4	30/05	0.4	1/04	0.4	2/07
JUN	0.3	0.4	3/06	0.4	17/05	0.4	9/08	0.4	10/04
JUL	0.3	0.4	27/06	0.4	29/11	0.4	2/01	0.4	22/06
AUG	0.3	0.4	16/08	0.4	29/10	0.4	26/08	0.4	9/11
SEP	0.3	0.5	10/03	0.5	29/10	0.5	3/04	0.5	23/08
OCT	0.4	0.8	28/06	0.8	29/02	0.8	31/07	0.7	27/07
NOV	0.5	1.2	11/02	1.0	9/08	1.0	10/08	1.0	8/09
DEC	0.7	1.4	11/01	1.4	24/01	1.3	25/02	1.3	14/08

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.3	1.4	DEC 11/01	1.4	DEC 24/01	1.3	DEC 25/02	1.3	DEC 14/08

* Hour Beginning

2011 ANNUAL SUMMARY
TRACE CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.548	1.373	8/10	1.289	13/11	1.222	28/12	1.197	12/23
FEB	0.379	1.108	5/08	0.952	28/00	0.857	7/11	0.810	13/08
MAR	0.246	0.618	1/04	0.563	29/10	0.532	17/09	0.519	13/10
APR	0.209	0.737	15/08	0.443	14/11	0.406	6/09	0.381	11/11
MAY	0.197	0.367	7/05	0.366	4/06	0.358	5/11	0.345	6/08
JUN	0.165	0.269	9/12	0.222	7/05	0.217	16/23	0.216	24/22
JUL	0.161	0.308	18/07	0.301	31/06	0.262	30/07	0.260	19/10
AUG	0.178	0.387	14/00	0.332	31/10	0.309	12/23	0.272	11/22
SEP	0.217	0.589	25/04	0.453	30/23	0.393	24/12	0.389	26/21
OCT	0.264	0.781	15/03	0.643	24/11	0.618	13/12	0.581	31/11
NOV	0.383	1.234	22/11	1.098	28/00	0.950	17/01	0.853	15/09
DEC	0.589	1.634	27/00	1.277	20/02	1.236	17/02	1.203	28/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.295	1.634	DEC 27/00	1.373	JAN 8/10	1.289	JAN 13/11	1.277	DEC 20/02

* Hour Beginning

2011 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.3	1.1	13/09	0.9	8/00	0.9	12/10	0.7	22/10
FEB	0.2	0.5	3/10	0.5	4/10	0.4	5/00	0.4	7/10
MAR	0.1	0.4	31/08	0.4	9/10	0.4	17/09	0.3	1/09
APR	0.1	0.2	1/00	0.2	15/08	0.2	4/08	0.2	6/07
MAY	0.1	0.2	3/07	0.2	6/08	0.2	2/07	0.2	12/08
JUN	0.1	0.2	9/10	0.2	7/07	0.2	27/09	0.1	10/07
JUL	0.1	0.2	29/08	0.1	26/08	0.1	28/10	0.1	6/08
AUG	0.1	0.3	10/07	0.2	27/08	0.2	31/08	0.2	5/07
SEP	0.1	0.3	10/02	0.3	29/12	0.3	25/09	0.2	19/11
OCT	0.2	0.4	5/17	0.4	24/10	0.4	27/09	0.4	21/10
NOV	0.3	0.7	22/10	0.7	28/10	0.7	28/02	0.6	17/01
DEC	0.4	1.0	27/23	0.9	26/05	0.8	28/08	0.8	23/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.1	1.1	JAN 13/09	1.0	DEC 27/23	0.9	JAN 8/00	0.9	DEC 26/05

* Hour Beginning

2011 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.8	2.1	15/02	1.9	16/00	1.7	22/01	1.6	28/09
FEB	0.6	2.0	5/02	1.7	1/03	1.6	7/02	1.6	11/08
MAR	0.4	1.2	1/09	1.1	4/07	1.0	2/01	0.9	13/03
APR	0.3	0.8	1/07	0.7	6/07	0.7	12/08	0.6	4/08
MAY	0.3	0.7	1/05	0.6	11/07	0.6	5/06	0.6	20/06
JUN	0.3	0.5	20/04	0.5	3/07	0.5	10/06	0.5	21/06
JUL	0.3	0.6	2/05	0.5	29/07	0.5	28/08	0.5	21/10
AUG	0.3	0.7	14/02	0.6	28/04	0.6	30/09	0.6	29/09
SEP	0.4	1.0	4/03	0.8	3/02	0.8	30/09	0.8	18/04
OCT	0.5	1.5	24/09	1.5	29/02	1.3	28/23	1.2	30/03
NOV	0.7	2.2	30/01	2.1	11/02	2.1	17/01	1.9	28/09
DEC	1.1	3.3	19/01	2.6	11/01	2.4	21/01	2.3	24/04

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.5	3.3	DEC 19/01	2.6	DEC 11/01	2.4	DEC 21/01	2.3	DEC 24/04

* Hour Beginning

2011 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.4	0.8	5/13	0.8	13/09	0.8	12/10	0.7	26/11
FEB	0.4	0.7	1/09	0.7	11/10	0.6	3/08	0.6	4/10
MAR	0.4	0.7	17/10	0.6	21/09	0.6	29/11	0.6	1/11
APR	0.4	0.6	15/08	0.5	1/10	0.5	14/11	0.5	8/09
MAY	0.3	0.4	16/06	0.4	9/23	0.4	5/09	0.4	23/11
JUN	0.3	0.4	7/07	0.4	3/08	0.4	8/11	0.4	9/11
JUL	0.2	0.4	28/21	0.4	31/08	0.3	1/21	0.3	22/10
AUG	0.2	0.4	29/11	0.4	30/11	0.3	14/01	0.3	25/10
SEP	0.3	0.5	24/14	0.5	19/12	0.4	9/23	0.4	17/22
OCT	0.3	0.5	27/09	0.5	31/11	0.5	18/10	0.5	24/08
NOV	0.4	0.8	28/10	0.7	17/10	0.7	10/10	0.7	22/11
DEC	0.5	0.9	25/23	0.8	28/08	0.8	23/12	0.8	12/13

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.3	0.9	DEC 25/23	0.8	NOV 28/10	0.8	DEC 28/08	0.8	DEC 23/12

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.033	0.049	8/16	0.048	11/04	0.048	21/14	0.048	29/11
FEB	0.039	0.055	28/04	0.053	27/14	0.051	14/5	0.050	13/14
MAR	0.041	0.058	28/13	0.054	1/02	0.053	5/12	0.053	18/18
APR	0.041	0.063	14/11	0.057	26/13	0.057	27/09	0.056	18/02
MAY	0.043	0.062	25/06	0.060	24/13	0.060	31/20	0.059	14/20
JUN	0.040	0.077	26/10	0.068	25/18	0.063	22/19	0.062	11/15
JUL	0.035	0.056	22/09	0.054	24/14	0.053	4/13	0.052	21/11
AUG	0.038	0.063	31/09	0.062	19/12	0.059	4/10	0.059	7/10
SEP	0.037	0.064	1/18	0.058	16/00	0.057	15/23	0.056	24/13
OCT	0.030	0.051	3/22	0.050	4/00	0.048	23/15	0.047	1/09
NOV	0.033	0.052	3/02	0.050	2/23	0.048	24/03	0.047	22/03
DEC	0.032	0.048	14/14	0.048	15/00	0.047	2/13	0.046	11/12

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.024	0.077	JUN 26/10	0.068	JUN 25/18	0.064	SEP 1/18	0.063	APR 14/11

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.020	0.051	29/14	0.048	28/15	0.048	30/01	0.047	31/14
FEB	0.031	0.057	23/13	0.057	27/14	0.054	28/12	0.051	20/12
MAR	0.040	0.060	11/14	0.056	5/11	0.055	28/15	0.054	4/14
APR	0.043	0.069	14/13	0.062	27/13	0.060	10/13	0.060	13/13
MAY	0.044	0.069	5/20	0.067	25/08	0.064	8/12	0.064	14/20
JUN	0.044	0.079	25/17	0.077	26/13	0.072	27/10	0.070	24/14
JUL	0.041	0.072	28/16	0.071	1/16	0.063	5/12	0.063	29/12
AUG	0.044	0.072	18/14	0.071	5/13	0.071	11/12	0.068	6/13
SEP	0.034	0.066	14/16	0.062	8/13	0.061	2/15	0.061	4/17
OCT	0.026	0.055	4/02	0.054	3/22	0.052	24/13	0.051	16/05
NOV	0.026	0.053	3/16	0.050	23/22	0.048	24/10	0.047	14/14
DEC	0.018	0.046	2/13	0.046	15/00	0.043	4/14	0.043	14/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.034	0.079	JUN 25/17	0.077	JUN 26/13	0.072	JUN 27/10	0.072	JUL 28/16

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.012	0.046	29/14	0.046	30/01	0.044	31/14	0.043	17/13
FEB	0.022	0.047	14/06	0.047	15/12	0.046	24/13	0.046	28/14
MAR	0.032	0.051	31/15	0.050	5/12	0.050	11/14	0.050	18/10
APR	0.037	0.062	14/12	0.061	27/12	0.056	10/14	0.055	12/12
MAY	0.038	0.064	24/13	0.061	14/20	0.060	8/10	0.059	25/08
JUN	0.039	0.078	26/14	0.073	25/12	0.069	9/14	0.068	14/14
JUL	0.036	0.066	28/15	0.065	21/11	0.064	3/10	0.064	4/10
AUG	0.039	0.072	20/12	0.069	31/11	0.068	12/12	0.068	26/10
SEP	0.031	0.068	20/16	0.065	1/14	0.064	8/14	0.063	17/16
OCT	0.020	0.051	3/22	0.049	4/00	0.049	20/13	0.046	1/10
NOV	0.017	0.048	3/15	0.044	24/10	0.042	14/14	0.042	23/17
DEC	0.010	0.039	15/01	0.038	2/15	0.037	16/13	0.037	30/11

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.078	JUN 26/14	0.073	JUN 25/12	0.072	AUG 20/12	0.069	JUN 9/14

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.012	0.047	30/01	0.046	29/15	0.042	17/14	0.042	31/15
FEB	0.025	0.050	27/14	0.049	14/06	0.049	15/11	0.049	28/15
MAR	0.034	0.053	1/14	0.053	5/13	0.052	12/12	0.052	18/00
APR	0.038	0.066	14/13	0.061	27/13	0.058	10/14	0.058	12/13
MAY	0.040	0.069	24/14	0.063	14/20	0.062	8/10	0.062	25/08
JUN	0.040	0.078	26/15	0.073	25/11	0.071	9/15	0.071	14/15
JUL	0.038	0.072	21/11	0.068	12/12	0.068	28/12	0.067	4/11
AUG	0.038	0.074	31/12	0.073	6/11	0.073	20/11	0.072	22/12
SEP	0.032	0.069	20/16	0.068	19/15	0.067	2/17	0.066	1/15
OCT	0.021	0.051	3/23	0.051	19/13	0.051	20/14	0.051	22/13
NOV	0.019	0.052	3/15	0.049	23/23	0.047	24/12	0.045	14/14
DEC	0.012	0.044	30/11	0.041	15/11	0.039	2/15	0.039	16/11

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.029	0.078	JUN 26/15	0.074	AUG 31/12	0.073	JUN 25/11	0.073	AUG 6/11

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.013	0.045	17/14	0.045	31/15	0.044	22/14	0.044	29/15
FEB	0.024	0.051	27/13	0.051	28/13	0.050	15/05	0.050	20/15
MAR	0.034	0.057	11/15	0.056	31/15	0.055	5/12	0.055	27/09
APR	0.039	0.069	14/13	0.064	27/12	0.062	12/12	0.060	10/14
MAY	0.041	0.070	24/13	0.067	14/20	0.065	8/10	0.065	31/18
JUN	0.040	0.086	26/13	0.080	25/12	0.079	14/14	0.075	9/14
JUL	0.036	0.076	29/12	0.071	1/17	0.071	5/12	0.070	21/11
AUG	0.036	0.076	6/11	0.074	5/15	0.072	31/11	0.071	22/12
SEP	0.026	0.067	20/15	0.066	8/13	0.066	19/14	0.065	17/16
OCT	0.019	0.052	3/23	0.051	4/10	0.050	20/14	0.049	9/15
NOV	0.018	0.050	3/15	0.045	23/23	0.045	24/11	0.044	14/14
DEC	0.011	0.040	15/01	0.038	2/15	0.038	16/12	0.037	1/13

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.086	JUN 26/13	0.08	JUN 25/12	0.079	JUN 14/14	0.076	JUL 29/12

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.017	0.048	29/14	0.048	30/01	0.040	13/10	0.040	31/13
FEB	0.031	0.053	28/03	0.051	27/15	0.050	14/06	0.049	13/14
MAR	0.038	0.058	11/14	0.055	27/09	0.053	5/11	0.053	18/11
APR	0.039	0.067	14/13	0.060	18/02	0.059	27/13	0.057	13/13
MAY	0.042	0.066	24/13	0.064	14/21	0.062	8/10	0.062	22/11
JUN	0.041	0.074	26/15	0.073	25/11	0.071	15/13	0.071	20/15
JUL	0.038	0.071	12/16	0.066	21/11	0.063	4/11	0.063	5/12
AUG	0.038	0.070	31/13	0.067	6/12	0.066	11/12	0.065	7/11
SEP	0.033	0.062	19/15	0.061	1/16	0.060	8/15	0.060	14/15
OCT	0.025	0.051	4/10	0.050	3/23	0.049	19/13	0.049	24/14
NOV	0.024	0.051	3/14	0.047	24/10	0.046	23/19	0.044	18/13
DEC	0.018	0.044	15/02	0.043	30/11	0.038	2/20	0.037	5/14

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.032	0.074	JUN 26/15	0.073	JUN 25/11	0.071	JUN 15/13	0.071	JUN 20/15

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.032	0.046	29/17	0.043	31/08	0.042	9/08	0.042	11/00
FEB	0.039	0.057	22/10	0.050	27/09	0.049	28/00	0.048	14/02
MAR	0.040	0.054	28/09	0.051	18/17	0.049	5/08	0.049	17/22
APR	0.040	0.062	14/10	0.053	12/21	0.053	26/08	0.053	27/07
MAY	0.042	0.058	25/05	0.058	31/15	0.056	8/03	0.056	24/07
JUN	0.039	0.068	26/09	0.064	25/09	0.058	11/10	0.056	27/18
JUL	0.035	0.053	22/08	0.050	24/10	0.049	4/10	0.049	21/09
AUG	0.038	0.059	31/08	0.055	19/08	0.053	7/08	0.053	18/22
SEP	0.036	0.057	1/11	0.053	15/17	0.051	2/13	0.051	3/10
OCT	0.030	0.048	3/20	0.044	24/10	0.043	4/00	0.042	1/19
NOV	0.033	0.050	2/23	0.049	3/00	0.045	21/23	0.045	23/20
DEC	0.031	0.044	2/07	0.044	14/21	0.042	15/18	0.041	1/16

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.036	0.068	JUN 26/09	0.064	JUN 25/09	0.062	APR 14/10	0.059	AUG 31/08

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.019	0.045	29/10	0.042	17/10	0.042	30/09	0.042	31/11
FEB	0.031	0.051	27/10	0.051	28/09	0.05	23/11	0.049	22/10
MAR	0.040	0.056	11/11	0.053	22/09	0.052	5/06	0.052	16/09
APR	0.042	0.065	14/11	0.059	27/11	0.056	12/11	0.056	13/07
MAY	0.044	0.063	8/08	0.062	25/07	0.061	5/15	0.060	4/08
JUN	0.043	0.075	25/10	0.072	26/10	0.068	24/10	0.066	11/12
JUL	0.041	0.063	28/10	0.061	1/11	0.058	12/09	0.057	5/10
AUG	0.044	0.064	6/09	0.064	19/10	0.063	18/11	0.063	31/09
SEP	0.033	0.059	14/10	0.057	15/10	0.056	2/11	0.056	7/10
OCT	0.026	0.052	3/20	0.050	4/00	0.049	24/10	0.047	15/23
NOV	0.025	0.051	3/12	0.046	23/20	0.046	24/03	0.044	22/08
DEC	0.018	0.042	2/12	0.042	14/23	0.041	15/00	0.038	4/11

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.034	0.075	JUN 25/10	0.072	JUN 26/10	0.068	JUN 24/10	0.066	JUN 11/12

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.011	0.040	29/22	0.033	31/11	0.032	9/11	0.031	19/08
FEB	0.022	0.045	15/08	0.043	14/22	0.043	15/16	0.043	24/08
MAR	0.032	0.048	18/08	0.046	12/10	0.046	16/09	0.046	19/09
APR	0.036	0.056	14/11	0.055	27/09	0.051	10/09	0.050	6/10
MAY	0.038	0.058	8/08	0.058	24/10	0.054	4/09	0.054	25/08
JUN	0.039	0.073	26/10	0.069	25/09	0.062	9/11	0.062	11/10
JUL	0.036	0.060	28/10	0.055	1/11	0.055	5/08	0.055	21/08
AUG	0.039	0.064	20/09	0.062	19/09	0.061	6/09	0.061	21/09
SEP	0.030	0.055	14/11	0.055	17/11	0.054	1/11	0.054	8/10
OCT	0.020	0.048	3/21	0.041	4/08	0.041	20/11	0.040	9/11
NOV	0.017	0.046	3/09	0.041	24/05	0.040	23/13	0.039	18/03
DEC	0.009	0.033	2/14	0.032	1/09	0.032	15/08	0.032	16/09

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.027	0.073	JUN 26/10	0.069	JUN 25/09	0.064	AUG 20/09	0.062	JUN 9/11

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.011	0.041	29/23	0.032	1/10	0.032	9/12	0.031	31/10
FEB	0.025	0.048	15/11	0.046	14/04	0.046	15/03	0.046	15/19
MAR	0.034	0.050	18/07	0.049	19/08	0.049	22/08	0.048	5/09
APR	0.037	0.060	14/09	0.055	27/10	0.054	10/09	0.053	6/10
MAY	0.040	0.061	24/10	0.060	8/08	0.058	25/07	0.058	31/17
JUN	0.039	0.073	26/10	0.070	25/09	0.064	9/10	0.063	11/10
JUL	0.037	0.065	28/11	0.062	21/08	0.060	12/10	0.059	22/10
AUG	0.037	0.067	20/08	0.066	6/08	0.064	31/09	0.063	19/09
SEP	0.031	0.060	14/10	0.059	1/11	0.058	8/10	0.058	17/11
OCT	0.021	0.045	4/08	0.044	3/20	0.044	11/08	0.044	24/11
NOV	0.019	0.050	3/12	0.046	23/16	0.044	18/09	0.042	24/10
DEC	0.011	0.039	30/06	0.036	15/09	0.036	16/09	0.034	2/14

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.073	JUN 26/10	0.070	JUN 25/09	0.067	AUG 20/08	0.066	AUG 6/08

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.012	0.038	30/09	0.035	17/11	0.034	9/10	0.034	22/10
FEB	0.023	0.049	15/04	0.048	14/20	0.048	15/12	0.047	24/09
MAR	0.033	0.052	18/06	0.051	19/09	0.050	5/08	0.050	12/09
APR	0.038	0.062	14/11	0.058	27/10	0.056	10/10	0.056	12/10
MAY	0.040	0.064	24/10	0.063	8/06	0.062	4/09	0.060	31/11
JUN	0.039	0.081	26/10	0.076	25/10	0.068	11/10	0.067	9/10
JUL	0.036	0.063	28/10	0.062	29/09	0.061	21/09	0.060	1/11
AUG	0.036	0.066	6/09	0.064	20/09	0.063	19/10	0.063	21/09
SEP	0.026	0.057	8/10	0.056	1/11	0.056	15/09	0.055	2/11
OCT	0.018	0.043	3/19	0.043	4/07	0.042	24/11	0.041	9/10
NOV	0.018	0.048	3/10	0.040	23/16	0.040	24/11	0.039	14/09
DEC	0.010	0.036	15/08	0.035	1/11	0.033	2/15	0.033	16/09

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.027	0.081	JUN 26/10	0.076	JUN 25/10	0.068	JUN 11/10	0.067	JUN 9/10

* Hour Beginning

2011 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.016	0.045	29/14	0.043	30/00	0.034	1/10	0.033	3/10
FEB	0.030	0.049	28/09	0.047	15/06	0.047	15/14	0.047	24/10
MAR	0.037	0.052	11/11	0.051	18/06	0.050	5/11	0.050	18/17
APR	0.038	0.062	14/11	0.055	13/12	0.054	27/11	0.053	12/10
MAY	0.042	0.060	8/05	0.060	24/09	0.059	22/10	0.059	25/07
JUN	0.040	0.072	26/10	0.069	25/09	0.065	15/10	0.064	22/18
JUL	0.038	0.061	12/10	0.060	21/08	0.058	20/11	0.058	28/10
AUG	0.037	0.062	31/09	0.061	11/09	0.060	6/09	0.059	20/08
SEP	0.033	0.055	14/11	0.054	1/11	0.053	8/10	0.052	15/11
OCT	0.025	0.047	24/10	0.044	3/20	0.044	4/09	0.042	11/08
NOV	0.024	0.048	3/05	0.044	23/16	0.044	23/16	0.041	18/01
DEC	0.017	0.039	30/06	0.035	15/10	0.035	16/09	0.034	2/13

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.031	0.072	JUN 26/10	0.069	JUN 25/09	0.065	JUN 15/10	0.064	JUN 22/18

* Hour Beginning

2011 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3 Designated

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	13.1	26.2	6	20.9	12	16.1	15	14.7	24
FEB	6.0	10.7	5	9.1	2	8.4	11	7.7	20
MAR	3.6	10.2	1	5.2	31	4.3	4	4.2	13
APR	3.7	7.9	15	6.1	12	3.9	27	3.8	9
MAY	3.5	6.7	6	4.6	21	4.5	24	4.4	3
JUN	3.8	5.9	11	5.8	14	5.1	26	4.2	8
JUL	5.0	10.6	29	6.5	23	5.4	5	4.9	8
AUG	5.0	7.6	1	7.1	25	6.2	4	5.6	31
SEP	6.9	14.7	9	8.5	30	7.2	15	7.0	12
OCT	5.6	7.9	30	7.7	12	7.4	21	7.0	27
NOV	8.5	14.1	20	11.2	29	9.8	26	8.9	8
DEC	14.1	29.7	26	19.6	14	16.3	11	15.9	23

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	6.6	29.7	DEC 26	26.2	JAN 6	20.9	JAN 12	19.6	DEC 14

2011 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3 Collocated

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	13.3	26.9	6	20.6	12	16.3	15	13.9	21
FEB	6.0	10.9	5	9.1	2	8.7	11	7.5	20
MAR	3.5	10.7	1	4.2	13	4.1	4	3.9	22
APR	4.0	7.7	15	7.5	12	4.0	27	3.8	9
MAY	3.5	6.8	6	4.9	21	4.6	24	4.4	3
JUN	4.0	5.8	11	5.8	14	4.1	23	3.8	26
JUL	5.1	10.6	29	6.2	23	5.6	5	4.9	8
AUG	5.0	7.7	1	7.0	25	6.2	4	5.2	22
SEP	7.8	14.9	9	8.6	30	7.0	12	6.2	24
OCT	5.6	7.9	30	7.7	12	7.4	27	7.3	21
NOV	8.3	13.7	20	11.3	29	9.5	26	9.2	8
DEC	14.4	30.5	26	19.4	14	16.2	11	15.7	23

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	6.7	30.5	DEC 26	26.9	JAN 6	20.6	JAN 12	19.4	DEC 14

2011 ANNUAL SUMMARY
 Continuous PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3 BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	13	30	8	28	6	28	7	23	5
FEB	7	17	27	14	5	12	3	12	4
MAR	4	12	1	11	9	7	4	7	5
APR	4	15	14	11	15	9	11	9	12
MAY	4	7	5	7	14	6	31	5	1
JUN	4	10	9	8	14	7	10	7	26
JUL	6	13	28	13	29	9	31	7	1
AUG	6	10	1	9	26	9	27	8	4
SEP	7	17	9	15	10	9	30	8	2
OCT	6	14	29	12	28	11	20	9	19
NOV	7	16	27	13	10	12	20	11	13
DEC	12	29	26	25	25	19	24	17	10

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	6.7	30	JAN 8	29	DEC 26	28	JAN 6	28	JAN 7

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	71	114	21	91	27	75	15	50	3
FEB	58	83	14	62	2	46	8	40	20
MAR	44	112	10	42	4	37	28	17	22
APR	20	36	15	26	27	13	3	12	9
MAY	15	26	3	14	21	13	27	12	9
JUN	22	30	20	26	8	24	14	18	26
JUL	25	36	26	28	20	25	8	20	14
AUG	29	35	31	34	19	34	25	29	1
SEP	33	48	30	34	24	28	18	27	6
OCT	36	58	24	48	18	37	12	30	30
NOV	38	63	29	51	17	31	11	27	23
DEC	41	60	23	52	11	43	17	25	5

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	35.4	114	JAN 21	112	MAR 10	91	JAN 27	83	FEB 14

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Plumb-Kit

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	45	64	21	61	15	47	27	33	3
FEB	37	50	2	49	14	42	20	30	8
MAR	20	33	10	22	4	19	22	17	28
APR	14	25	15	14	27	11	9	10	3
MAY	10	16	3	13	21	8	9	7	15
JUN	15	19	14	16	26	16	8	15	20
JUL	14	16	8	15	26	15	14	12	2
AUG	18	23	1	22	25	19	31	17	19
SEP	22	43	30	19	18	19	24	15	6
OCT	22	34	24	28	30	24	12	17	18
NOV*	18	18	5						
DEC									

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	21.5	64	JAN 21	61	JAN 15	50	FEB 2	49	FEB 14

*PM10 FRM sampler replaced by continuous PM10 FEM monitor on November 11, 2011

2011 ANNUAL SUMMARY
 Continuous PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Plumb-Kit BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN									
FEB									
MAR									
APR									
MAY									
JUN									
JUL									
AUG									
SEP									
OCT									
NOV*	29	59	18	43	27	42	28	42	29
DEC	41	72	26	58	24	58	25	57	27

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	36.3	72	DEC 26	59	NOV 18	58	DEC 24	58	DEC 25

*Continuous PM10 FEM monitor replaced PM10 FRM sampler on November 11, 2011

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	40.3	64.4	12	52.3	21	51.2	6	50.2	15
FEB	22.0	36.0	5	35.7	2	29.3	11	21.7	20
MAR	14.3	39.1	1	24.3	31	19.0	10	16.2	4
APR	10.8	22.7	15	19.2	12	14.1	6	9.7	27
MAY	9.2	20.7	6	12.9	3	11.8	12	10.8	21
JUN	9.6	13.7	14	12.2	17	12.2	23	11.9	26
JUL	14.2	31.2	29	15.7	5	15.3	23	13.2	26
AUG	14.6	21.1	31	19.8	1	19.7	25	16.2	4
SEP	19.3	34.6	9	26.8	30	21.9	24	20.5	15
OCT	16.0	25.6	24	21.3	21	21.3	27	20.9	12
NOV	19.1	26.3	29	23.0	11	21.8	20	21.2	26
DEC	32.5	57.7	26	44.4	14	36.2	23	29.9	20

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	18.2	64.4	JAN 12	57.7	DEC 26	52.3	JAN 21	51.2	JAN 6

2011 ANNUAL SUMMARY
 Continuous PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3 BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	34	59	12	57	8	49	7	49	21
FEB	23	55	1	41	27	40	2	39	5
MAR	12	35	1	34	9	25	31	20	10
APR	11	31	14	23	15	22	4	19	12
MAY	9	22	14	18	5	18	6	16	25
JUN	9	18	18	15	9	15	22	15	28
JUL	13	26	29	22	28	19	30	17	6
AUG	13	19	31	18	25	18	26	17	1
SEP	17	30	9	26	10	25	30	22	24
OCT	15	27	24	24	28	24	29	22	27
NOV	18	39	3	30	27	29	28	28	10
DEC	30	55	21	55	26	40	14	40	25

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	17.0	59	JAN 12	57	JAN 8	55	FEB 1	55	DEC 21

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	38	54	21	41	27	33	15	23	3
FEB	30	35	2	35	14	31	20	20	8
MAR	26	64	28	24	4	21	10	14	22
APR	11	21	15	13	27	8	9	8	3
MAY	10	20	21	13	3	7	9	7	27
JUN	14	20	14	16	20	14	26	11	8
JUL	14	19	26	13	20	13	8	12	2
AUG	16	23	25	19	31	17	19	14	1
SEP	22	34	12	25	30	20	24	17	18
OCT*	19	20	18	19	24	18	12		
NOV									
DEC									

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	19.3	64	MAR 28	54	JAN 21	41	JAN 27	35	FEB 2

*PM10 FRM sampler replaced by continuous PM10 FEM monitor on October 28, 2011

2011 ANNUAL SUMMARY
 Continuous PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: South Reno BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN									
FEB									
MAR									
APR									
MAY									
JUN									
JUL									
AUG									
SEP									
OCT*	22	24	28	24	31	23	29	18	30
NOV	21	59	18	52	3	30	28	28	29
DEC	27	43	26	40	14	40	23	36	27

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	23.9	59	NOV 18	52	NOV 23	43	DEC 26	40	DEC 14

*Continuous PM10 FEM monitor replaced PM10 FRM sampler on October 28, 2011

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks Designated

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	42	62	15	61	21	41	27	24	9
FEB	34	62	14	35	2	30	20	26	8
MAR	20	45	10	18	22	10	28	6	16
APR	11	20	15	12	27	9	9	7	21
MAY	8	13	21	9	3	7	27	6	15
JUN	13	18	14	17	20	14	26	12	8
JUL	15	17	8	16	20	16	26	14	2
AUG	19	24	31	23	25	22	19	18	1
SEP	26	38	30	27	24	24	6	22	18
OCT	26	35	30	34	24	28	12	25	18
NOV	32	54	29	33	11	29	17	22	5
DEC	35	55	23	52	11	35	17	21	5

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	23.3	62	JAN 15	62	FEB 14	61	JAN 21	55	DEC 23

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks Collocated

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	42	62	21	62	15	42	27	23	9
FEB	37	77	14	32	20	26	8	13	26
MAR	16	29	10	28	4	10	28	7	16
APR	11	20	15	12	27	9	9	7	21
MAY	8	13	21	11	3	7	27	6	9
JUN	14	18	14	17	20	15	26	13	8
JUL	15	17	8	16	26	16	2	15	20
AUG	19	23	25	22	31	22	19	19	1
SEP	26	37	30	27	24	25	6	22	18
OCT	26	35	30	35	24	29	12	27	18
NOV	31	55	29	33	11	28	17	20	5
DEC	36	56	23	54	11	34	17	22	5

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	23.2	77	FEB 14	62	JAN 21	62	JAN 15	56	DEC 23

2011 ANNUAL SUMMARY
 Continuous PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN									
FEB									
MAR									
APR									
MAY									
JUN									
JUL*	18	34	29	24	28	17	23	16	27
AUG	15	19	24	19	25	18	3	18	27
SEP	21	38	30	37	9	32	10	29	29
OCT	20	41	28	37	29	33	30	32	24
NOV	27	69	3	49	29	46	10	45	16
DEC	40	67	18	60	25	58	7	58	10

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	24.2	69	NOV 3	67	DEC 18	60	DEC 25	58	DEC 7

*Continuous PM10 FEM monitor online July 23, 2011

2011 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	25	38	21	27	27	24	15	18	9
FEB	31	65	14	31	2	22	8	21	20
MAR	15	23	10	20	28	14	22	13	4
APR	13	24	15	15	27	10	3	9	9
MAY	9	15	3	11	21	7	9	6	27
JUN	11	14	14	14	26	13	20	10	8
JUL	15	17	20	16	8	16	26	15	14
AUG	20	27	25	26	31	25	19	17	1
SEP	23	38	24	29	30	18	6	16	12
OCT*	12	18	12	6	6				
NOV									
DEC									

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	17.8	65	FEB 14	38	JAN 21	38	SEP 24	31	FEB 2

*PM10 FRM sampler replaced by continuous PM10 FEM monitor on October 15, 2011

2011 ANNUAL SUMMARY
 Continuous PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Toll BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN									
FEB									
MAR									
APR									
MAY									
JUN									
JUL									
AUG									
SEP									
OCT*	21	38	31	36	30	34	29	32	28
NOV	19	122	18	61	30	29	17	26	29
DEC	24	42	30	34	23	34	26	33	7

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	21.4	122	NOV 18	61	NOV 30	42	DEC 30	38	OCT 31

*Continuous PM10 FEM monitor replaced PM10 FRM sampler on October 15, 2011

2011 ANNUAL SUMMARY
PM10-2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	24.2	38.8	12	34.6	21	30.4	24	30.0	15
FEB	14.3	24.7	2	22.4	5	18.6	11	16.4	14
MAR	9.3	25.7	1	16.4	31	13.1	10	10.6	4
APR	6.0	12.5	15	11.2	12	9.3	6	4.8	27
MAY	4.6	11.3	6	7.1	3	6.7	12	4.8	21
JUN	4.6	6.8	17	6.4	23	6.1	20	6.0	14
JUL	7.1	15.8	29	7.9	5	7.1	26	5.9	11
AUG	7.4	12.0	31	9.3	1	9.2	25	8.1	22
SEP	9.8	15.1	9	14.7	30	12.9	24	10.5	15
OCT	8.7	15.6	24	12.5	27	11.6	21	10.8	12
NOV	9.0	13.0	29	12.1	2	12.0	11	9.9	26
DEC	16.6	24.2	26	21.6	14	18.9	23	17.0	2

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	10.0	38.8	JAN 12	34.6	JAN 21	30.4	JAN 24	30.0	JAN 15

2011 ANNUAL SUMMARY
 Continuous PM10-2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno 3 BAM

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	21	39	12	34	21	32	24	31	28
FEB	17	46	1	30	14	29	2	25	3
MAR	8	22	1	22	9	18	31	14	10
APR	7	16	14	15	4	12	2	12	15
MAY	6	15	14	14	25	11	5	10	6
JUN	5	14	18	11	28	10	22	9	16
JUL	7	13	29	11	25	11	30	10	6
AUG	7	13	31	11	16	10	25	9	20
SEP	10	16	24	16	30	13	1	13	9
OCT	9	19	24	17	25	15	31	14	27
NOV	11	32	3	27	18	18	28	16	29
DEC	18	43	21	26	26	26	27	24	20

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	10.5	46	FEB 1	43	DEC 21	39	JAN 12	34	JAN 21

2011 ANNUAL SUMMARY
NO2 (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	29.8	65.1	28/10	58.5	8/11	57.5	13/10	51.8	29/11
FEB	22.9	64.3	27/19	57.6	28/00	51.3	3/07	51.2	13/19
MAR	13.5	58.2	1/20	54.8	14/07	48.6	10/00	47.0	27/06
APR	9.7	52.3	15/06	51.3	14/06	42.3	11/06	40.4	4/21
MAY	9.6	46.9	4/05	43.4	5/07	43.3	12/06	42.6	25/06
JUN	8.4	40.8	28/06	34.8	16/21	25.5	10/07	25.5	24/03
JUL	9.3	38.6	19/06	36.3	18/06	35.1	30/23	33.4	25/08
AUG	10.3	45.2	31/06	30.1	25/00	27.9	13/01	27.6	4/06
SEP	15.6	48.7	26/19	45.4	29/21	44.5	15/07	43.4	2/22
OCT	17.4	55.4	24/08	49.2	13/10	48.6	23/21	46.0	27/19
NOV	22.1	59.5	22/10	53.9	28/12	48.8	10/09	48.5	3/07
DEC	32.0	71.1	28/10	58.3	27/09	58.0	21/08	58.0	26/17

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	16.7	71.1	DEC 28/10	65.1	JAN 28/10	64.3	FEB 27/19	59.5	NOV 22/10

* Hour Beginning

2011 ANNUAL SUMMARY
NO (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	32.7	301.5	28/08	264.0	25/07	199.4	13/07	187.0	8/08
FEB	15.5	194.5	7/08	165.3	5/08	159.8	3/07	120.7	4/06
MAR	4.4	70.4	29/06	67.8	17/06	66.6	14/07	54.9	9/07
APR	2.4	78.1	15/06	61.3	14/06	49.6	11/06	49.4	6/07
MAY	2.1	74.2	12/06	56.1	5/07	44.7	4/06	31.1	3/06
JUN	1.4	19.6	28/06	16.8	8/08	16.7	3/06	15.3	10/07
JUL	1.6	54.9	18/06	40.8	19/06	17.1	12/05	17.0	26/07
AUG	1.5	59.5	31/06	19.9	15/07	14.8	13/07	13.9	2/06
SEP	3.8	82.8	15/07	52.4	30/22	45.6	13/07	34.4	27/06
OCT	9.0	163.6	24/08	112.7	13/06	97.7	26/06	80.9	15/00
NOV	17.6	184.6	22/09	182.1	10/09	176.0	15/08	168.3	28/08
DEC	38.0	250.8	21/08	209.7	12/08	188.1	2/07	177.7	11/07

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	10.8	301.5	JAN 28/08	264.0	JAN 25/07	250.8	DEC 21/08	209.7	DEC 12/08

* Hour Beginning

2011 ANNUAL SUMMARY
NOx (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	63.1	360.4	28/08	314.0	25/07	248.8	13/08	236.1	8/08
FEB	38.9	239.4	7/08	212.6	5/08	211.5	3/07	163.1	4/06
MAR	18.4	121.9	14/07	114.3	17/06	113.0	29/07	104.0	1/20
APR	12.6	130.9	15/06	113.0	14/06	92.3	11/06	89.5	6/07
MAY	12.2	118.0	12/06	99.9	5/07	91.5	4/06	73.2	3/06
JUN	10.3	60.8	28/06	41.2	10/07	39.9	16/21	38.5	3/06
JUL	11.5	91.6	18/06	80.0	19/06	50.7	25/08	49.2	12/05
AUG	12.5	105.3	31/06	42.7	13/07	42.2	15/07	40.0	2/06
SEP	20.0	127.8	15/07	91.9	30/09	76.9	13/07	73.7	26/20
OCT	27.0	219.4	24/08	142.0	13/06	137.5	26/06	109.0	15/00
NOV	40.3	241.4	22/09	231.3	10/09	224.9	15/08	218.6	28/08
DEC	70.7	309.3	21/08	265.7	12/08	240.3	2/07	226.9	11/07

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	28.1	360.4	JAN 28/08	314.0	JAN 25/07	309.3	DEC 21/08	265.7	DEC 12/08

* Hour Beginning

2011 ANNUAL SUMMARY
TRACE NOy-NO (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	29.0	67.2	28/10	57.2	13/10	56.6	8/11	53.6	25/07
FEB	21.7	65.3	27/19	56.1	28/00	49.6	13/19	48.6	10/19
MAR	12.6	57.6	1/20	52.1	14/07	46.4	10/00	46.3	5/01
APR	8.8	52.4	15/06	49.0	14/06	39.9	11/06	38.5	4/20
MAY	8.9	45.7	4/05	41.4	12/06	41.4	25/06	41.3	5/07
JUN	7.9	40.0	28/06	33.7	16/21	26.4	24/03	24.0	10/07
JUL	8.8	36.6	19/06	35.2	30/23	33.9	18/06	32.0	25/08
AUG	10.1	44.5	31/06	31.5	25/00	29.1	30/00	27.6	13/01
SEP	15.4	50.0	26/19	46.3	29/21	44.4	15/07	42.2	2/22
OCT	17.4	55.8	13/10	55.4	24/08	49.8	23/21	46.7	12/20
NOV	21.3	59.5	22/10	52.6	28/12	47.1	10/09	46.5	15/08
DEC	31.1	71.9	28/10	60.2	26/17	58.7	21/08	57.9	12/09

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	16.1	71.9	DEC 28/10	67.2	JAN 28/10	65.3	FEB 27/19	60.2	DEC 26/17

* Hour Beginning

2011 ANNUAL SUMMARY
Trace NO (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	32.1	306.5	28/08	283.5	25/07	195.4	13/08	187.7	24/08
FEB	15.0	189.2	7/08	162.2	5/08	153.4	3/07	116.2	4/06
MAR	4.7	71.7	17/06	69.1	29/07	60.8	14/07	51.1	9/07
APR	2.8	72.0	15/06	60.6	14/06	48.4	6/07	47.1	11/06
MAY	2.5	73.0	12/06	56.2	5/07	43.9	4/06	30.4	3/06
JUN	1.9	20.0	28/06	18.2	3/06	15.7	20/06	15.5	10/07
JUL	1.9	53.2	18/06	40.1	19/06	18.1	12/05	17.0	25/08
AUG	1.6	59.7	31/06	19.6	15/07	15.0	13/07	13.3	2/06
SEP	3.6	82.2	15/07	53.1	30/09	44.8	13/07	33.4	24/08
OCT	9.1	165.3	24/08	129.9	13/06	105.9	26/05	77.5	15/00
NOV	17.1	187.4	22/09	178.7	10/09	172.6	15/08	162.4	28/08
DEC	37.7	248.9	21/08	216.1	12/09	191.8	2/07	180.0	11/07

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	10.8	306.5	JAN 28/08	283.5	JAN 25/07	248.9	DEC 21/08	216.1	DEC 12/09

* Hour Beginning

2011 ANNUAL SUMMARY
TRACE NOy (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	61.1	367.4	28/08	337.0	25/07	245.2	13/08	234.6	24/08
FEB	36.6	229.4	7/08	205.3	5/08	198.1	3/07	159.9	8/07
MAR	17.3	116.2	17/06	112.9	14/07	110.9	29/07	99.6	1/20
APR	11.6	124.3	15/06	109.6	14/06	87.0	11/06	85.8	6/07
MAY	11.4	114.5	12/06	97.5	5/07	88.2	4/06	71.2	3/06
JUN	9.7	60.1	28/06	39.5	10/07	39.3	3/06	37.2	16/21
JUL	10.7	87.1	18/06	76.8	19/06	49.0	25/08	48.8	12/05
AUG	11.7	104.2	31/06	41.1	13/07	40.1	15/07	37.6	2/06
SEP	19.0	126.4	15/07	93.2	30/09	75.6	13/07	74.9	26/20
OCT	26.5	220.7	24/08	161.9	13/06	144.0	26/05	105.0	15/00
NOV	38.4	243.9	22/09	225.7	10/09	219.0	15/08	208.7	28/08
DEC	68.8	307.4	21/08	274.0	12/09	242.6	2/07	226.0	11/07

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	26.9	367.4	JAN 28/08	337.0	JAN 25/07	307.4	DEC 21/08	274.0	DEC 12/09

* Hour Beginning

2011 ANNUAL SUMMARY
TRACE SO2 (ppb) - HOURLY AVERAGES

Location: Reno 3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.97	7.67	28/08	6.52	25/07	5.59	24/08	4.93	13/08
FEB	0.76	4.75	5/08	4.69	7/07	3.94	3/07	3.37	8/07
MAR	0.32	3.56	12/01	2.48	1/20	2.15	29/08	1.95	17/06
APR	0.45	2.49	15/07	2.00	14/06	1.70	11/06	1.65	6/07
MAY	0.30	2.03	12/06	1.42	5/07	1.10	4/06	1.07	3/06
JUN	0.32	2.01	29/01	1.03	28/06	0.85	3/07	0.82	27/23
JUL	0.46	2.81	19/09	1.94	18/06	0.97	12/05	0.79	7/08
AUG	0.43	1.85	31/06	1.17	4/22	1.01	8/08	0.80	15/07
SEP	0.44	2.13	15/07	1.59	30/22	1.30	13/07	1.22	16/08
OCT	0.47	2.71	13/06	2.64	26/06	2.45	24/09	2.43	15/00
NOV	0.64	5.61	22/10	4.74	28/09	4.40	10/09	4.36	15/08
DEC	1.19	6.37	21/08	5.69	12/08	5.45	2/07	5.14	11/08

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.6	7.67	JAN 28/08	6.52	JAN 25/07	6.37	DEC 21/08	5.69	DEC 12/08

* Hour Beginning

Washoe County
Ambient Air Monitoring Data
(2010)

Exceedances (2010)

Pollutant	Averaging Period	Exceedance Dates
PM ₁₀	24-hour	none
PM _{2.5}	24-hour	Jan 5.
O ₃	8-hour	Aug 20.
CO	1-hour	none
	8-hour	none
NO ₂	1-hour	none
SO ₂	1-hour	n/a - Monitoring began at the RNO site on January 1, 2011.
	24-hour	
	3-hour	
Pb	3-month	n/a - Pb was not monitored in 2010.
	quarterly	

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.5	2.3	6/2	1.9	6/10	1.6	3/4	1.6	15/10
FEB	0.5	1.4	28/5	1.3	14/7	1.2	4/10	1.2	13/8
MAR	0.4	1.1	16/9	1.0	11/7	0.9	12/9	0.9	15/8
APR	0.4	1.1	24/6	0.9	8/7	0.9	23/6	0.8	7/8
MAY	0.3	0.7	3/9	0.7	25/7	0.6	12/7	0.6	30/2
JUN	0.3	1.0	14/5	0.9	15/6	0.9	30/6	0.8	8/6
JUL	0.3	0.5	2/10	0.5	16/8	0.5	31/7	0.5	1/7
AUG	0.3	0.7	26/7	0.5	13/9	0.5	17/9	0.5	24/11
SEP	0.3	0.9	18/7	0.8	25/1	0.8	28/7	0.8	30/7
OCT	0.3	1.0	29/10	1.0	28/7	0.9	30/2	0.8	21/8
NOV	0.5	1.9	27/1	1.6	15/3	1.4	14/2	1.4	5/9
DEC	0.6	1.9	23/3	1.8	13/0	1.6	24/7	1.5	8/1

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.4	2.3	Jan 6/2	1.9	Jan 6/10	1.9	Nov 27/1	1.9	Dec 23/3

* Hour Beginning

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.6	1.7	6/1	1.3	3/1	1.2	5/7	1.1	15/9
FEB	0.5	1.0	14/1	1.0	2/9	1.0	23/1	0.9	16/8
MAR	0.5	1.0	16/8	1.0	15/8	0.9	19/7	0.8	1/8
APR	0.4	0.8	7/6	0.7	24/2	0.7	10/2	0.6	14/6
MAY	0.2	0.5	7/6	0.4	14/3	0.4	3/5	0.3	25/7
JUN	0.2	0.3	28/6	0.3	26/22	0.3	29/8	0.3	24/10
JUL	0.2	0.4	5/1	0.3	25/6	0.3	3/19	0.3	26/6
AUG	0.2	0.4	24/5	0.4	25/3	0.3	13/1	0.3	17/7
SEP	0.2	0.4	25/2	0.4	2/3	0.4	7/3	0.3	3/7
OCT	0.1	0.5	30/2	0.4	27/2	0.4	29/8	0.4	28/8
NOV	0.3	1.0	27/1	0.8	12/1	0.8	30/1	0.7	29/10
DEC	0.3	1.1	24/1	1.0	2/6	0.8	25/3	0.8	12/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.3	1.7	Jan 6/1	1.3	Jan 3/1	1.2	Jan 5/7	1.1	Jan 15/9

* Hour Beginning

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.4	1.8	6/0	1.8	5/12	1.5	17/0	1.2	15/23
FEB	0.2	1.0	28/6	0.8	4/11	0.8	23/23	0.4	12/9
MAR	0.1	0.5	12/9	0.4	14/2	0.3	28/7	0.2	23/7
APR	0.1	0.4	23/9	0.4	8/7	0.4	24/7	0.3	2/8
MAY	0.1	0.2	7/1	0.1	3/9	0.1	30/0	0.1	21/7
JUN	0.0	0.2	2/9	0.1	6/6	0.1	22/14	0.1	24/8
JUL	0.0	0.1	16/8	0.1	25/3	0.1	31/6	0.1	26/11
AUG	0.1	0.5	8/7	0.5	6/22	0.5	9/1	0.2	26/8
SEP	0.1	0.4	24/22	0.2	27/19	0.2	29/19	0.2	26/0
OCT	0.1	0.5	21/8	0.4	22/9	0.3	27/0	0.3	26/7
NOV	0.2	1.3	15/1	1.2	30/23	1.0	27/2	0.9	15/9
DEC	0.3	1.9	1/12	1.3	23/12	1.0	21/23	1.0	13/15

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.1	1.9	Dec 1/12	1.8	Jan 6/0	1.8	Jan 5/12	1.5	Jan 17/0

* Hour Beginning

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.7	1.6	5/23	1.4	5/11	1.3	6/11	1.3	1/1
FEB	0.6	1.0	23/10	0.9	2/12	0.9	12/11	0.8	4/9
MAR	0.4	0.8	14/8	0.8	1/9	0.8	12/8	0.8	15/13
APR	0.3	0.7	27/20	0.7	28/19	0.7	29/21	0.7	30/8
MAY	0.2	0.4	7/7	0.4	3/7	0.4	12/7	0.4	13/7
JUN	0.2	0.3	2/8	0.3	15/7	0.3	24/8	0.3	28/9
JUL	0.2	0.3	16/9	0.3	27/8	0.3	9/8	0.3	23/10
AUG	0.2	0.4	26/7	0.3	24/9	0.3	25/11	0.3	27/11
SEP	0.2	0.4	30/23	0.4	29/12	0.3	26/0	0.3	28/11
OCT	0.3	0.7	28/13	0.6	30/0	0.6	29/9	0.6	27/7
NOV	0.3	0.8	30/23	0.8	27/2	0.7	5/12	0.7	15/1
DEC	0.3	0.9	23/11	0.9	1/9	0.8	1/21	0.8	24/2

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.3	1.6	Jan 5/23	1.4	Jan 5/11	1.3	Jan 6/11	1.3	Jan 1/1

* Hour Beginning

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.8	2.5	6/8	2.1	16/10	2.0	15/10	2.0	5/23
FEB	0.8	1.8	1/3	1.8	28/4	1.8	14/4	1.5	25/8
MAR	0.7	1.6	15/8	1.6	11/6	1.5	16/7	1.4	19/7
APR	0.4	1.0	2/8	1.0	7/6	0.9	1/9	0.8	24/6
MAY	0.3	0.8	12/6	0.8	3/5	0.7	14/6	0.6	29/6
JUN	0.3	0.7	27/3	0.6	14/2	0.5	13/4	0.5	22/5
JUL	0.3	0.8	5/3	0.6	25/4	0.5	16/6	0.5	22/8
AUG	0.2	0.6	25/9	0.5	13/5	0.5	26/7	0.5	24/2
SEP	0.3	1.1	30/0	1.0	25/1	1.0	26/3	0.9	28/0
OCT	0.4	1.4	28/8	1.2	30/2	1.0	9/1	1.0	19/7
NOV	0.7	1.8	14/4	1.8	26/2	1.7	29/7	1.7	17/22
DEC	0.7	2.8	24/2	2.6	25/4	2.3	23/2	2.0	13/0

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.5	2.8	Dec 24/2	2.6	Dec 25/4	2.5	Jan 6/8	2.3	Dec 23/2

* Hour Beginning

2010 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.3	0.8	16/0	0.6	17/7	0.5	25/10	0.5	15/12
FEB	0.2	0.6	23/12	0.4	22/12	0.4	2/10	0.4	4/11
MAR	0.2	0.4	15/10	0.4	24/11	0.4	16/11	0.4	2/10
APR	0.2	0.4	23/9	0.4	1/8	0.4	6/8	0.3	2/9
MAY	0.1	0.3	28/19	0.3	29/18	0.2	10/12	0.2	31/0
JUN	0.2	0.3	28/22	0.3	30/18	0.3	7/11	0.3	8/0
JUL	0.2	0.3	1/7	0.3	1/15	0.3	2/2	0.2	23/19
AUG	0.1	0.3	27/9	0.3	5/18	0.3	24/12	0.2	6/12
SEP	0.2	0.7	25/13	0.4	24/12	0.4	23/20	0.4	25/21
OCT	0.2	0.5	12/10	0.4	8/9	0.4	28/12	0.4	13/10
NOV	0.4	0.8	30/23	0.7	27/2	0.7	5/11	0.6	29/11
DEC	0.4	0.9	8/4	0.9	13/12	0.9	1/10	0.8	2/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.2	0.9	8/4	0.9	13/12	0.9	1/10	0.8	16/0

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.032	0.051	20/22	0.050	16/12	0.049	17/4	0.049	21/0
FEB	0.035	0.052	19/10	0.051	18/10	0.051	23/13	0.049	13/13
MAR	0.042	0.060	24/12	0.056	15/14	0.056	23/15	0.056	29/1
APR	0.045	0.067	16/9	0.064	10/23	0.064	15/12	0.063	25/15
MAY	0.044	0.071	1/23	0.065	2/12	0.063	5/15	0.062	16/11
JUN	0.039	0.070	8/22	0.065	8/13	0.063	7/16	0.063	10/4
JUL	0.041	0.066	6/17	0.066	27/14	0.066	28/9	0.065	30/10
AUG	0.047	0.066	27/0	0.064	20/18	0.064	28/1	0.063	10/10
SEP	0.041	0.063	4/9	0.063	7/18	0.063	26/13	0.059	24/14
OCT	0.032	0.061	2/11	0.060	1/11	0.051	29/9	0.047	28/14
NOV	0.033	0.053	18/21	0.052	19/0	0.048	7/1	0.048	20/3
DEC	0.032	0.050	8/7	0.048	19/2	0.048	24/12	0.048	31/13

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.026	0.071	May 1/23	0.070	Jun 8/22	0.067	Apr 16/9	0.066	Jul 6/17

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.023	0.047	20/2	0.046	17/14	0.046	21/0	0.046	22/13
FEB	0.026	0.051	22/15	0.049	12/10	0.049	13/15	0.049	14/15
MAR	0.035	0.062	24/20	0.056	30/15	0.055	23/15	0.055	29/3
APR	0.042	0.069	16/10	0.064	10/13	0.064	17/14	0.062	15/13
MAY	0.043	0.069	5/9	0.067	20/14	0.066	14/15	0.066	31/6
JUN	0.041	0.075	8/14	0.072	7/14	0.072	29/10	0.066	9/23
JUL	0.043	0.074	30/10	0.073	27/12	0.070	22/15	0.070	23/15
AUG	0.046	0.076	5/13	0.075	4/12	0.074	20/14	0.072	9/12
SEP	0.036	0.071	25/14	0.071	26/13	0.071	28/14	0.067	29/13
OCT	0.028	0.070	2/10	0.067	1/11	0.051	8/15	0.051	9/13
NOV	0.032	0.051	18/18	0.048	17/23	0.046	6/23	0.046	7/0
DEC	0.026	0.048	19/3	0.047	18/10	0.046	6/2	0.046	9/5

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.035	0.076	Aug 5/13	0.075	June 8/14	0.075	Aug 4/12	0.074	Jul 30/10

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.015	0.048	21/0	0.046	20/23	0.044	17/14	0.043	13/12
FEB	0.019	0.047	28/14	0.046	12/11	0.044	16/15	0.044	21/12
MAR	0.031	0.061	24/19	0.055	29/01	0.053	28/15	0.053	30/14
APR	0.038	0.067	16/10	0.064	10/13	0.064	25/13	0.063	19/12
MAY	0.040	0.071	20/13	0.067	2/13	0.065	5/14	0.063	16/12
JUN	0.039	0.075	29/10	0.073	24/11	0.070	8/12	0.069	7/16
JUL	0.042	0.076	30/11	0.074	22/16	0.074	28/12	0.073	31/12
AUG	0.044	0.079	8/11	0.078	15/11	0.077	5/11	0.074	25/13
SEP	0.034	0.073	26/15	0.069	4/10	0.066	3/12	0.066	25/15
OCT	0.023	0.069	2/11	0.061	1/12	0.052	15/13	0.051	9/13
NOV	0.020	0.050	18/13	0.048	7/2	0.047	19/4	0.046	6/17
DEC	0.018	0.046	19/3	0.045	18/11	0.044	26/14	0.043	8/8

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.030	0.079	Aug 8/11	0.078	Aug 15/11	0.077	Aug 5/11	0.076	Jul 30/11

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.015	0.048	21/0	0.047	20/23	0.044	17/13	0.044	31/15
FEB	0.020	0.047	28/15	0.046	5/13	0.046	12/13	0.045	13/14
MAR	0.031	0.062	24/19	0.056	29/2	0.054	28/11	0.053	30/14
APR	0.039	0.067	16/10	0.065	10/12	0.065	25/11	0.064	17/14
MAY	0.040	0.070	20/13	0.066	14/14	0.066	16/14	0.065	5/14
JUN	0.038	0.079	29/10	0.073	8/12	0.071	24/11	0.068	7/14
JUL	0.040	0.075	22/16	0.074	30/11	0.072	20/12	0.070	19/14
AUG	0.040	0.080	5/12	0.075	20/13	0.074	6/11	0.072	9/12
SEP	0.030	0.068	26/13	0.067	3/12	0.067	4/11	0.065	29/12
OCT	0.022	0.067	2/10	0.063	1/13	0.050	9/14	0.048	15/13
NOV	0.020	0.051	18/21	0.049	19/0	0.047	7/4	0.045	6/11
DEC	0.019	0.046	19/3	0.044	18/11	0.042	8/10	0.042	28/19

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.030	0.080	Aug 5/12	0.079	Jun 29/10	0.075	Jul 22/16	0.075	Aug 20/13

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.014	0.045	20/23	0.044	31/14	0.043	17/14	0.043	18/20
FEB	0.019	0.048	21/11	0.048	28/14	0.047	12/12	0.046	18/13
MAR	0.029	0.063	24/19	0.055	29/1	0.054	28/11	0.053	21/10
APR	0.037	0.068	16/10	0.066	10/13	0.066	25/14	0.065	17/14
MAY	0.039	0.071	20/13	0.067	16/14	0.066	14/14	0.065	5/14
JUN	0.036	0.076	29/10	0.075	8/12	0.075	24/11	0.069	23/12
JUL	0.039	0.080	30/11	0.078	28/13	0.076	19/14	0.075	31/13
AUG	0.038	0.084	5/12	0.081	6/11	0.080	15/11	0.078	9/13
SEP	0.027	0.073	26/15	0.071	4/10	0.069	25/15	0.066	3/13
OCT	0.020	0.066	1/11	0.064	2/11	0.053	15/12	0.052	9/14
NOV	0.019	0.052	18/21	0.049	19/0	0.047	6/17	0.047	7/4
DEC	0.018	0.044	18/11	0.044	19/23	0.043	26/1	0.043	28/20

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.084	Aug 5/12	0.081	Aug 6/11	0.080	Jul 30/11	0.080	Aug 15/11

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.021	0.048	20/23	0.048	21/0	0.045	17/13	0.045	19/23
FEB	0.025	0.046	12/14	0.046	21/12	0.045	4/20	0.045	5/14
MAR	0.036	0.061	24/19	0.055	29/3	0.055	30/17	0.054	21/9
APR	0.041	0.068	16/10	0.065	19/11	0.063	10/12	0.061	18/16
MAY	0.041	0.065	14/16	0.065	20/13	0.064	4/21	0.063	5/14
JUN	0.039	0.071	8/14	0.070	29/10	0.068	9/22	0.065	7/16
JUL	0.044	0.077	22/17	0.075	30/10	0.074	28/12	0.073	21/12
AUG	0.048	0.083	20/16	0.081	5/12	0.079	6/11	0.077	4/13
SEP	0.040	0.075	16/14	0.071	14/14	0.069	26/13	0.069	29/12
OCT	0.029	0.067	2/11	0.066	1/11	0.049	9/12	0.048	6/12
NOV	0.025	0.052	18/15	0.050	19/0	0.048	7/2	0.048	17/21
DEC	0.024	0.048	8/8	0.047	19/2	0.044	18/11	0.043	26/1

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.034	0.083	Aug 20/16	0.081	Aug 5/12	0.079	Aug 6/11	0.077	Jul 22/17

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.031	0.047	20/17	0.046	19/20	0.045	16/22	0.044	18/15
FEB	0.035	0.046	18/9	0.046	19/9	0.046	23/9	0.045	13/8
MAR	0.042	0.058	24/11	0.055	28/21	0.053	26/9	0.052	21/1
APR	0.044	0.061	15/9	0.061	16/8	0.060	10/8	0.059	11/8
MAY	0.043	0.062	2/8	0.061	16/8	0.060	5/12	0.058	1/18
JUN	0.038	0.067	8/16	0.062	9/16	0.059	7/9	0.059	15/13
JUL	0.041	0.063	28/8	0.061	27/10	0.061	30/8	0.059	21/8
AUG	0.046	0.060	10/21	0.060	20/13	0.060	27/22	0.059	7/9
SEP	0.041	0.060	7/13	0.059	4/8	0.057	26/9	0.055	27/9
OCT	0.032	0.056	1/9	0.055	2/8	0.046	28/9	0.044	29/8
NOV	0.032	0.051	18/18	0.048	17/23	0.046	6/23	0.044	6/9
DEC	0.031	0.047	8/1	0.044	18/21	0.044	25/9	0.043	5/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.038	0.067	Jun 8/16	0.063	Jul 28/8	0.052	May 2/8	0.062	Jun 9/16

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.022	0.044	22/8	0.043	13/9	0.042	1/7	0.042	18/17
FEB	0.025	0.047	12/9	0.047	21/9	0.045	28/11	0.044	3/9
MAR	0.035	0.060	24/12	0.054	28/23	0.053	31/9	0.051	26/10
APR	0.042	0.067	16/4	0.061	25/9	0.060	10/10	0.059	17/9
MAY	0.042	0.065	5/9	0.063	16/8	0.062	20/10	0.061	14/10
JUN	0.041	0.072	8/11	0.066	7/10	0.063	9/15	0.063	23/11
JUL	0.043	0.069	27/9	0.066	28/9	0.066	30/8	0.063	23/9
AUG	0.046	0.070	20/10	0.067	5/8	0.066	9/9	0.065	6/7
SEP	0.035	0.066	26/10	0.062	25/10	0.061	29/9	0.060	3/14
OCT	0.027	0.061	2/8	0.058	1/9	0.046	9/10	0.046	29/10
NOV	0.025	0.052	18/9	0.048	6/19	0.045	19/0	0.043	5/10
DEC	0.025	0.045	18/23	0.043	8/7	0.043	9/4	0.043	19/12

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.034	0.072	Jun 8/11	0.070	Aug 20/10	0.069	Jul 27/9	0.067	Apr 16/4

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.014	0.042	20/19	0.041	13/8	0.040	19/7	0.038	12/23
FEB	0.019	0.042	12/10	0.041	21/9	0.041	28/10	0.039	4/20
MAR	0.031	0.061	24/19	0.055	29/1	0.053	28/15	0.053	30/14
APR	0.038	0.061	16/7	0.061	25/10	0.059	10/11	0.057	18/10
MAY	0.040	0.063	20/11	0.062	16/9	0.061	5/9	0.060	2/9
JUN	0.038	0.067	8/11	0.065	7/10	0.061	15/15	0.061	23/10
JUL	0.042	0.067	27/9	0.066	22/10	0.065	19/8	0.064	28/9
AUG	0.044	0.071	5/9	0.069	8/9	0.067	20/10	0.065	1/9
SEP	0.033	0.064	26/10	0.059	3/12	0.057	4/9	0.056	7/11
OCT	0.022	0.058	2/8	0.056	1/12	0.043	6/10	0.042	9/10
NOV	0.019	0.047	18/12	0.044	6/11	0.044	17/23	0.042	7/2
DEC	0.017	0.043	18/23	0.040	19/13	0.040	26/9	0.039	28/18

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.030	0.071	Aug 5/9	0.069	Aug 8/9	0.067	Jun 8/11	0.067	Jul 27/9

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.015	0.045	20/23	0.043	19/22	0.042	17/12	0.041	18/18
FEB	0.019	0.043	12/11	0.042	28/10	0.040	15/10	0.040	21/8
MAR	0.031	0.059	24/13	0.054	28/18	0.054	29/2	0.050	30/8
APR	0.038	0.063	25/10	0.062	10/11	0.061	16/9	0.059	14/11
MAY	0.040	0.064	16/9	0.064	20/10	0.062	5/10	0.060	2/9
JUN	0.038	0.069	8/11	0.066	7/10	0.064	23/11	0.062	29/8
JUL	0.040	0.068	22/10	0.064	23/10	0.064	27/10	0.062	19/10
AUG	0.039	0.068	5/9	0.067	20/10	0.065	4/9	0.064	6/8
SEP	0.030	0.062	26/10	0.056	3/10	0.056	4/9	0.055	7/13
OCT	0.021	0.057	2/9	0.056	1/10	0.043	6/9	0.042	9/10
NOV	0.020	0.049	18/10	0.046	17/23	0.044	19/0	0.043	7/3
DEC	0.019	0.043	18/23	0.040	26/6	0.040	28/19	0.039	19/12

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.029	0.069	Jun 8/11	0.068	Jul 22/10	0.068	Aug 5/9	0.067	Aug 20/10

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.014	0.039	18/19	0.039	19/8	0.037	13/9	0.037	17/11
FEB	0.019	0.045	21/8	0.042	12/10	0.042	28/11	0.041	15/11
MAR	0.029	0.059	24/13	0.053	28/10	0.050	30/11	0.049	23/8
APR	0.037	0.064	25/10	0.062	16/8	0.061	10/11	0.058	17/10
MAY	0.038	0.064	20/11	0.063	16/9	0.061	5/9	0.061	14/10
JUN	0.036	0.069	8/11	0.065	7/10	0.063	23/10	0.062	24/8
JUL	0.038	0.069	28/9	0.068	27/9	0.067	22/10	0.066	30/9
AUG	0.038	0.073	5/9	0.068	8/8	0.068	15/8	0.068	20/10
SEP	0.027	0.064	26/10	0.059	4/9	0.058	3/11	0.058	25/10
OCT	0.019	0.055	1/11	0.055	2/9	0.043	6/9	0.043	9/10
NOV	0.019	0.050	18/17	0.044	6/11	0.044	19/1	0.042	22/21
DEC	0.017	0.041	26/9	0.039	19/13	0.039	28/16	0.038	18/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.073	Aug 5/9	0.069	Jun 8/11	0.069	Jul 28/9	0.068	Jul 27/9

* Hour Beginning

2010 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.021	0.046	20/20	0.044	19/19	0.043	17/9	0.043	18/16
FEB	0.025	0.044	12/9	0.043	4/18	0.042	21/9	0.041	5/9
MAR	0.035	0.058	24/13	0.053	29/2	0.052	28/9	0.052	30/12
APR	0.040	0.060	10/10	0.060	16/9	0.060	25/10	0.056	14/10
MAY	0.041	0.062	16/9	0.060	5/11	0.060	20/11	0.059	14/10
JUN	0.038	0.068	8/11	0.063	9/16	0.062	23/9	0.060	15/13
JUL	0.044	0.070	22/10	0.070	27/10	0.070	28/9	0.067	21/9
AUG	0.047	0.077	20/11	0.074	5/9	0.069	4/9	0.069	6/9
SEP	0.040	0.067	16/10	0.065	7/15	0.062	14/10	0.062	15/10
OCT	0.028	0.060	1/10	0.058	2/9	0.043	6/9	0.043	12/11
NOV	0.024	0.051	18/14	0.048	17/20	0.046	6/23	0.051	18/14
DEC	0.023	0.044	18/22	0.042	8/6	0.041	25/22	0.041	26/6

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.034	0.077	Aug 20/11	0.074	Aug 5/9	0.070	Jul 22/10	0.070	Jul 27/10

* Hour Beginning

2010 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3 (designated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	12.9	38.8	5th	16.3	8th	15.6	2nd	14.1	29th
FEB	7.5	15.0*	1st	9.9	4th	8.7*	28th	8.5	13th
MAR	4.6	11.1	24th	6.0	21st	5.6	12th	6.0	21st
APR	5.0	8.6	11th	7.7	26th	6.7	17th	6.4	8th
MAY	3.3	5.5	5th	5.4	20th	4.7	14th	4.0	17th
JUN	3.6	6.5	28th	5.0	25th	4.5	22nd	4.4	19th
JUL	4.9	6.7	22nd	6.3	16th	5.5	10th	5.2	13th
AUG	5.2	6.8	24th	6.7	6th	5.8	9th	5.7	3rd
SEP	4.6	8.1	29th	6.6	26th	5.5	14th	5.0	17th
OCT	5.4	7.9	2nd	7.4	14th	7.0	8th	6.6	29th
NOV	6.5	15.8	25th	14.6	13th	8.4	16th	7.9	4th
DEC	8.8	24.4	1st	15.0	22nd	11.4	13th	10.9	28th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	6.00	38.8	Jan 5th	24.4	Dec 1st	16.3	Jan 8th	15.8	Nov 25th

Hour Beginning

* Designated Sampler Equipment Malfunction, Used Collocated Sample Value In Place of Missing Samples.

2010 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3 (collocated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	12.7	38.6	5th	16.2	8th	15.2	2nd	13.9	11th
FEB	7.5	15.0	22nd	10*	4th	8.7*	28th	8.5*	13th
MAR	4.5	11.2	24th	6.2	21st	5.6	12th	4.6	18th
APR	4.9	8.3	11th	7.5	26th	6.8	17th	6.4	8th
MAY	3.4	5.9	5th	5.3	20th	4.5	14th	4.0	8th
JUN	3.5	6.3	28th	4.7	25th	4.5	19th	4.5	22nd
JUL	5.0	7.0	25th	6.4	22nd	6.3	16th	5.3	10th
AUG	5.1	6.5	6th	6.4	24th	5.7	9th	5.5	3rd
SEP	4.6	8.1	29th	6.6	26th	5.5	14th	5.0	17th
OCT	5.4	7.9	2nd	7.4	14th	7.0	8th	6.5	29th
NOV	6.6	16.1	25th	14.6	13th	8.7	16th	7.8	4th
DEC	8.9	24.6	1st	15.2	22nd	11.6	13th	10.9	28th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	6.1	38.6	Jan 5th	24.6	Dec 1st	16.2	Jan 8th	16.1	Nov 25th

Hour Beginning

* These values were used to replace missing designated runs

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	40	67	14th	54	2nd	40	8th	21	20th
FEB	48	76	1st	66	13th	49	19th	37	25th
MAR	50	74	3rd	65	21st	51	15th	37	9th
APR	56	87	20th	53	8th	52	2nd	46	14th
MAY	22	32	14th	28	20th	24	8th	15	26th
JUN	23	29	25th	28	7th	26	19th	18	1st
JUL	38	50	25th	43	1st	38	13th	35	7th
AUG	35	51	18th	44	24th	36	6th	25	12th
SEP	39	63	29th	50	17th	34	23rd	27	11th
OCT	20	34	29th	29	11th	14	5th	12	17th
NOV	31	65	4th	43	16th	17	22nd	16	28th
DEC	29	49	22nd	44	28th	22	16th	17	4th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	36	87	Apr 20th	76	Feb 1st	74	Mar 3rd	67	Jan 14th

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Plumbkit

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	41	77	2nd	52	14th	47	8th	16	20th
FEB	39	55	1st	52	13th	37	19th	37	25th
MAR	19	35	21st	28	3rd	23	27th	22	15th
APR	21	26	8th	23	2nd	18	20th	17	14th
MAY	11	17	14th	13	8th	10	20th	8	2nd
JUN	14	15	1st	15	25th	14	19th	11	13th
JUL	18	22	13th	20	7th	20	25th	17	31st
AUG	20	24	24th	22	6th	21	18th	17	12th
SEP	22	35	29th	23	17th	21	23rd	19	11th
OCT	13	24	29th	15	11th	10	5th	9	17th
NOV	21	38	4th	28	16th	16	28th	13	22nd
DEC	27	44	22nd	40	28th	21	4th	18	16th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	23	77	Jan 2nd	55	Feb 1st	52	Jan 14th	52	Feb 13th

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	48	142	5th	72	29th	52	2nd	50	11th
FEB	31	55	4th	42	1st	38	13th	36	25th
MAR	19	42	24th	32	12th	24	18th	19	15th
APR	14	22	8th	20	11th	20	26th	18	17th
MAY	10	19	5th	12	8th	12	14th	11	17th
JUN	10	19	28th	13	19th	12	22nd	12	25th
JUL	16	23	16th	21	1st	21	22nd	17	10th
AUG	16	22	24th	19	21st	18	6th	17	27th
SEP	15	28	29th	18	26th	17	2nd	17	14th
OCT	14	25	2nd	20	14th	17	29th	16	20th
NOV	16	30	25th	27	13th	25	4th	21	16th
DEC	27	77	1st	40	28th	39	13th	36	22nd

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	20	142	Jan 5th	77	Dec 1st	72	Jan 29th	55	Feb 4th

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	23	36	8th	34	2nd	29	14th	10	26th
FEB	26	52	1st	25	13th	23	19th	22	25th
MAR	14	26	21st	18	15th	14	27th	7	3rd
APR	12	16	8th	12	14th	11	2nd	10	20th
MAY	10	15	14th	11	8th	9	20th	8	2nd
JUN	17	35	30th	17	24th	16	18th	13	12th
JUL	18	21	7th	20	19th	18	13th	18	25th
AUG	21	30	24th	22	6th	20	12th	19	18th
SEP	20	27	29th	20	17th	19	11th	19	23rd
OCT	12	21	29th	15	11th	10	5th	8	17th
NOV	16	26	4th	24	28th	18	16th	7	10th
DEC	18	29	22nd	29	28th	15	16th	13	4th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	17	52	Feb 1st	36	Jan 8th	35	Jun 30th	34	Jan 2nd

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks (designated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	26	43	14th	40	2nd	27	8th	11	20th
FEB	31	46	1st	46	13th	29	19th	22	25th
MAR	21	34	15th	27	21st	18	3rd	17	27th
APR	20	27	26th	21	8th	19	2nd	19	20th
MAY	13	21	14th	15	8th	12	20th	9	2nd
JUN	13	17	25th	15	13th	13	19th	11	1st
JUL	19	24	25th	22	7th	19	19th	18	1st
AUG	20	28	24th	25	6th	20	18th	18	12th
SEP	27	42	29th	30	17th	24	23rd	22	11th
OCT	15	25	29th	17	11th	11	17th	10	5th
NOV	22	37	4th	33	16th	24	28th	10	10th
DEC	23	55	22nd	27	28th	12	4th	12	16th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	21	55	Dec 22nd	46	Feb 1st	46	Feb 13th	43	Jan 14th

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks (collocated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	26	43	14th	39	2nd	28	8th	12	20th
FEB	32	48	1st	47	13th	29	19th	13	25th
MAR	21	35	15th	27	21st	17	3rd	17	27th
APR	21	27	26th	21	8th	19	2nd	19	20th
MAY	13	21	14th	14	8th	13	20th	10	2nd
JUN	14	16	25th	15	13th	15	19th	11	1st
JUL	20	24	7th	23	25th	21	13th	18	19th
AUG	20	29	24th	23	6th	19	12th	18	18th
SEP	28	44	29th	31	17th	25	23rd	22	11th
OCT	16	27	29th	18	11th	12	17th	11	5th
NOV	23	35	4th	34	16th	26	28th	12	22nd
DEC	22	54	22nd	26	28th	12	16th	11	4th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	21	54	Dec 22nd	48	Feb 1st	47	Feb 13th	44	Sept 29th

* Hour Beginning

2010 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	18	30	2nd	30	8th	15	14th	10	26th
FEB	20	32	1st	23	19th	19	13th	18	25th
MAR	16	33	21st	13	3rd	12	15th	11	27th
APR	14	17	8th	13	2nd	13	14th	10	20th
MAY	9	14	14th	11	8th	9	20th	6	2nd
JUN	15	19	19th	19	25th	15	7th	14	13th
JUL	22	26	7th	26	19th	24	1st	21	13th
AUG	23	26	6th	26	24th	24	18th	23	12th
SEP	23	34	29th	27	17th	22	23rd	18	11th
OCT	12	18	11th	14	29th	10	23rd	9	5th
NOV	14	28	4th	22	16th	9	28th	7	22nd
DEC	13	22	28th	15	16th	14	22nd	8	10th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	17	34	Sept 29th	33	Mar 21st	32	Feb 1st	30	Jan 2nd

* Hour Beginning

2010 ANNUAL SUMMARY
NO2 (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.027	0.076	6/9	0.075	5/11	0.057	4/11	0.053	2/11
FEB	0.022	0.058	23/9	0.052	22/19	0.050	4/11	0.050	12/8
MAR	0.015	0.049	12/8	0.045	23/5	0.044	10/21	0.043	15/19
APR	0.013	0.048	13/6	0.045	7/7	0.044	8/7	0.044	22/22
MAY	0.010	0.044	6/23	0.042	7/0	0.041	21/6	0.037	13/21
JUN	0.008	0.034	30/7	0.031	15/6	0.030	19/6	0.029	14/6
JUL	0.010	0.039	13/6	0.039	21/5	0.039	21/5	0.034	16/5
AUG	0.012	0.053	26/7	0.046	23/21	0.045	18/0	0.044	24/19
SEP	0.016	0.055	24/18	0.053	27/18	0.052	29/18	0.049	4/2
OCT	0.018	0.049	28/19	0.046	13/18	0.045	1/2	0.045	29/18
NOV	0.022	0.056	17/16	0.053	26/18	0.051	4/16	0.051	5/19
DEC	0.022	0.081	1/11	0.057	13/12	0.049	23/10	0.047	2/8

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.016	0.081	Dec 1/11	0.076	Jan 6/9	0.075	Jan 5/11	0.058	Feb 23/9

* Hour Beginning

2010 ANNUAL SUMMARY
NO (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.032	0.303	6/9	0.270	5/8	0.213	4/8	0.170	15/21
FEB	0.015	0.139	3/7	0.138	4/7	0.135	23/9	0.126	12/8
MAR	0.006	0.105	12/8	0.063	16/7	0.050	23/7	0.049	14/0
APR	0.005	0.121	8/7	0.081	7/7	0.078	23/8	0.067	24/7
MAY	0.003	0.057	3/6	0.047	13/7	0.042	7/7	0.038	21/6
JUN	0.003	0.046	6/6	0.036	30/7	0.033	14/6	0.021	2/7
JUL	0.003	0.064	13/6	0.048	21/5	0.027	16/5	0.021	12/8
AUG	0.003	0.055	26/7	0.049	23/21	0.039	27/7	0.032	18/8
SEP	0.005	0.060	2/8	0.052	24/19	0.048	20/7	0.048	29/6
OCT	0.010	0.143	21/7	0.138	22/7	0.124	19/8	0.099	27/7
NOV	0.020	0.163	17/20	0.159	12/8	0.124	30/22	0.120	14/22
DEC	0.022	0.247	1/9	0.208	23/7	0.171	2/8	0.153	13/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.011	0.303	Jan 6/9	0.270	Jan 5/8	0.247	Dec 1/9	0.213	Jan 4/8

* Hour Beginning

2010 ANNUAL SUMMARY NOx (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.059	0.379	6/9	0.329	5/8	0.263	4/8	0.211	15/21
FEB	0.037	0.194	23/9	0.182	3/7	0.179	4/7	0.176	12/8
MAR	0.021	0.154	12/8	0.094	16/7	0.091	14/0	0.089	23/7
APR	0.018	0.165	8/7	0.126	7/7	0.119	23/8	0.103	13/6
MAY	0.012	0.090	3/5	0.083	13/7	0.080	21/6	0.059	12/7
JUN	0.011	0.070	30/7	0.067	6/6	0.062	14/6	0.050	15/6
JUL	0.013	0.103	13/6	0.086	21/5	0.061	16/5	0.051	31/7
AUG	0.015	0.108	26/7	0.094	23/21	0.083	27/8	0.073	18/8
SEP	0.020	0.106	24/19	0.100	2/8	0.083	14/7	0.082	29/6
OCT	0.027	0.182	21/7	0.178	22/7	0.163	19/8	0.135	27/7
NOV	0.043	0.216	17/20	0.201	12/8	0.172	30/22	0.159	14/19
DEC	0.044	0.312	1/9	0.247	23/7	0.218	2/8	0.206	13/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.027	0.379	Jan 6/9	0.329	Jan 5/8	0.312	Dec 1/9	0.263	Jan 4/8

* Hour Beginning

Washoe County
Ambient Air Monitoring Data
(2009)

Exceedances (2009)

Pollutant	Averaging Period	Exceedance Dates
PM ₁₀	24-hour	none
PM _{2.5}	24-hour	Dec 9, 15, and 18.
O ₃	8-hour	none
CO	1-hour	none
	8-hour	none
NO ₂	1-hour	none
SO ₂	1-hour	n/a - SO ₂ was not monitored in 2009.
	24-hour	
	3-hour	
Pb	3-month	n/a - Pb was not monitored in 2009.
	quarterly	

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.8	2.6	1/8	2.3	11/6	1.9	14/9	1.9	15/1
FEB	0.4	1.7	1/2	1.4	4/10	1.3	5/8	1.3	3/8
MAR	0.3	1.1	8/5	1.1	14/7	1.0	12/8	1.0	13/8
APR	0.2	0.6	7/8	0.6	19/3	0.6	17/6	0.6	22/7
MAY	0.1	0.5	18/8	0.3	16/4	0.3	4/7	0.3	9/4
JUN	0.2	0.5	23/7	0.4	24/9	0.4	28/3	0.4	30/8
JUL	0.2	0.5	1/7	0.5	7/7	0.4	2/9	0.4	14/8
AUG	0.2	0.7	26/9	0.7	20/9	0.7	31/8	0.6	9/3
SEP	0.4	1.2	27/2	1.1	26/2	1.1	28/9	1.0	25/2
OCT	0.4	1.3	8/8	1.1	11/7	1.1	22/6	1.0	9/3
NOV	0.5	1.8	17/8	1.3	1/7	1.3	27/1	1.3	20/1
DEC	0.7	1.9	19/3	1.8	18/3	1.7	1/8	1.6	14/2

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.4	2.6	Jan 1/8	2.3	Jan 11/6	1.9	Jan 14/9	1.9	Jan 15/1

* Hour Beginning

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.6	1.5	11/2	1.4	14/1	1.4	15/1	1.3	1/1
FEB	0.4	1.2	5/1	1.1	4/8	1.0	21/3	1.0	2/8
MAR	0.3	0.9	12/7	0.8	11/7	0.8	8/6	0.8	13/6
APR	0.2	0.6	6/6	0.6	4/6	0.6	7/6	0.5	5/6
MAY	0.1	0.3	17/3	0.3	9/5	0.3	16/2	0.2	27/11
JUN	0.1	0.3	24/5	0.3	29/6	0.2	30/10	0.2	25/11
JUL	0.2	0.3	22/11	0.3	17/9	0.3	14/5	0.3	16/11
AUG	0.2	0.5	12/7	0.4	9/3	0.4	20/9	0.4	17/7
SEP	0.2	0.4	26/2	0.4	28/2	0.3	22/7	0.3	27/2
OCT	0.3	0.9	29/2	0.8	31/2	0.6	26/8	0.6	30/7
NOV	0.5	1.1	25/7	1.1	30/3	1.1	26/2	1.0	19/8
DEC	0.7	1.7	10/0	1.5	9/9	1.3	18/9	1.2	24/8

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.3	1.7	Dec 10/0	1.5	Jan 11/2	1.5	Dec 9/9	1.4	Jan 14/1

* Hour Beginning

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.4	2.2	1/7	1.6	28/1	1.5	11/8	1.4	14/13
FEB	0.2	0.6	5/11	0.6	4/12	0.5	1/1	0.5	20/11
MAR	0.1	0.7	14/9	0.6	8/5	0.4	25/11	0.4	31/10
APR	0.1	0.2	11/7	0.2	19/0	0.2	17/23	0.2	30/8
MAY	0.1	0.2	4/8	0.2	18/8	0.2	1/7	0.1	7/6
JUN	0.1	0.1	9/11	0.1	17/10	0.1	1/8	0.1	3/8
JUL	0.1	0.1	29/9	0.1	14/14	0.1	2/13	0.1	31/9
AUG	0.1	0.3	8/1	0.3	9/1	0.3	17/3	0.2	14/7
SEP	0.1	0.5	28/10	0.4	27/0	0.4	13/7	0.3	25/22
OCT	0.1	0.7	24/0	0.6	11/7	0.5	12/10	0.4	9/1
NOV	0.2	1.2	27/1	1.0	17/9	0.7	29/7	0.7	24/23
DEC	0.6	2.1	15/14	2.0	17/0	1.8	9/13	1.8	14/2

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.2	2.2	Jan 1/7	2.1	Dec 15/14	2.0	Dec 17/0	1.8	Dec 9/13

* Hour Beginning

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.7	1.5	21/22	1.5	23/0	1.4	22/10	1.3	12/11
FEB	0.4	0.9	5/10	0.9	8/7	0.8	6/4	0.8	4/10
MAR	0.2	0.5	31/10	0.5	24/8	0.5	27/8	0.4	25/10
APR	0.3	0.5	22/8	0.5	5/7	0.5	7/10	0.5	13/9
MAY	0.3	0.5	30/2	0.5	18/9	0.5	27/9	0.4	4/10
JUN	0.4	0.6	4/1	0.5	9/8	0.5	17/8	0.5	19/6
JUL	0.3	0.5	16/8	0.5	1/1	0.5	17/9	0.5	20/7
AUG	0.2	0.4	17/7	0.3	9/2	0.3	10/10	0.3	4/8
SEP	0.2	0.5	28/11	0.5	27/0	0.4	25/23	0.3	22/10
OCT	0.3	0.6	30/8	0.6	26/12	0.6	22/8	0.5	23/10
NOV	0.4	1.0	17/7	1.0	27/2	0.9	20/2	0.8	5/8
DEC	0.8	1.6	15/11	1.5	10/12	1.4	18/10	1.3	17/21

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.4	1.6	Dec 15/11	1.5	Jan 21/22	1.5	Jan 23/0	1.5	Dec 10/12

* Hour Beginning

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	1.0	3.3	1/1	2.9	11/3	2.5	15/0	2.4	14/0
FEB	0.6	2.2	1/4	2.1	5/1	1.8	3/9	1.7	2/6
MAR	0.4	1.6	13/10	1.4	11/9	1.4	12/8	1.3	8/4
APR	0.3	1.0	6/8	0.9	7/8	0.9	17/7	0.8	5/6
MAY	0.2	0.7	17/2	0.5	9/5	0.5	27/7	0.4	6/6
JUN	0.2	0.6	24/6	0.5	28/3	0.4	29/7	0.4	23/7
JUL	0.2	0.5	30/2	0.5	1/6	0.5	31/8	0.5	14/3
AUG	0.3	1.1	9/3	0.7	20/8	0.7	17/7	0.7	19/8
SEP	0.4	1.3	27/1	1.1	26/1	1.0	12/1	1.0	23/9
OCT	0.5	1.7	31/1	1.6	24/1	1.4	29/7	1.2	26/8
NOV	0.8	2.2	26/4	2.2	30/23	2.0	17/8	2.2	26/4
DEC	0.9	2.4	1/1	2.1	2/2	2.1	10/1	2.0	18/2

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.5	3.3	Jan 1/1	2.9	Jan 11/3	2.5	Jan 15/0	2.4	Jan 14/0

* Hour Beginning

2009 ANNUAL SUMMARY
CARBON MONOXIDE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.6	1.2	22/23	1.0	28/11	1.0	16/13	1.0	21/13
FEB	0.6	1.5	3/7	1.4	4/7	1.3	6/7	1.2	12/6
MAR	0.2	0.5	1/3	0.4	31/11	0.4	11/11	0.4	12/10
APR	0.4	0.7	20/9	0.7	30/8	0.7	16/10	0.7	17/11
MAY	0.4	0.7	1/9	0.6	14/23	0.6	15/8	0.6	3/14
JUN	0.3	0.5	15/22	0.5	9/7	0.5	17/7	0.5	6/22
JUL	0.3	0.7	23/22	0.5	18/3	0.5	15/11	0.5	11/23
AUG	0.4	0.6	17/12	0.5	20/12	0.5	10/10	0.5	8/1
SEP	0.4	0.8	26/14	0.7	28/9	0.7	25/12	0.7	10/11
OCT	0.2	0.6	9/10	0.5	12/11	0.5	5/11	0.5	2/11
NOV	0.2	0.6	26/23	0.5	16/23	0.5	11/7	0.5	16/23
DEC	0.6	1.3	15/10	1.2	10/12	1.2	11/4	1.1	15/2

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.4	1.5	Feb 3/7	1.4	Feb 4/7	1.3	Feb 6/7	1.3	Dec 15/10

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.028	0.048	27/14	0.045	5/18	0.045	11/13	0.044	13/13
FEB	0.034	0.052	27/13	0.049	13/4	0.049	26/22	0.048	15/8
MAR	0.041	0.069	29/8	0.065	26/21	0.062	7/14	0.061	10/15
APR	0.045	0.071	22/21	0.066	3/14	0.066	16/15	0.063	17/14
MAY	0.040	0.067	12/17	0.062	23/17	0.062	24/9	0.060	10/13
JUN	0.038	0.070	24/17	0.068	26/9	0.063	28/14	0.063	29/12
JUL	0.042	0.066	11/12	0.061	10/10	0.060	2/18	0.059	17/11
AUG	0.042	0.073	12/13	0.072	11/15	0.068	23/2	0.066	28/13
SEP	0.040	0.067	19/18	0.063	29/1	0.062	13/10	0.061	20/0
OCT	0.032	0.058	12/9	0.054	3/17	0.052	2/17	0.061	8/13
NOV	0.035	0.053	20/3	0.053	21/14	0.052	9/23	0.052	11/10
DEC	0.033	0.050	24/22	0.050	25/13	0.048	6/20	0.047	9/12

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.025	0.073	Aug 12/13	0.072	Aug 11/15	0.071	Apr 22/21	0.070	Jun 24/17

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.017	0.044	11/13	0.044	31/14	0.043	28/13	0.042	2/13
FEB	0.030	0.055	24/12	0.051	26/22	0.051	27/14	0.050	20/15
MAR	0.037	0.071	26/16	0.064	27/13	0.06	17/12	0.059	30/15
APR	0.039	0.071	22/21	0.062	6/13	0.062	28/11	0.062	30/11
MAY	0.041	0.074	24/8	0.069	12/11	0.065	23/22	0.064	16/16
JUN	0.038	0.068	25/10	0.068	30/11	0.066	27/14	0.066	29/9
JUL	0.042	0.069	10/11	0.069	24/11	0.067	16/10	0.066	17/9
AUG	0.039	0.076	11/20	0.072	28/15	0.068	10/13	0.068	27/13
SEP	0.031	0.066	17/13	0.064	19/8	0.062	16/14	0.059	9/14
OCT	0.024	0.052	12/11	0.051	3/11	0.049	2/15	0.048	7/15
NOV	0.023	0.052	11/13	0.050	20/9	0.048	9/14	0.048	17/20
DEC	0.020	0.051	8/14	0.045	15/13	0.044	31/23	0.043	22/9

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.032	0.076	Aug 11/20	0.074	May 24/8	0.072	Aug 28/15	0.071	Mar 26/16

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.010	0.039	28/14	0.038	25/3	0.037	2/13	0.037	12-Mar
FEB	0.023	0.048	27/13	0.047	22/2	0.047	24/12	0.046	15/11
MAR	0.032	0.066	26/17	0.054	17/12	0.053	7/12	0.053	22/8
APR	0.038	0.071	22/21	0.062	23/0	0.061	6/14	0.060	16/14
MAY	0.040	0.068	12/12	0.067	24/9	0.065	11/23	0.065	25/12
JUN	0.037	0.072	29/11	0.070	25/11	0.070	26/12	0.070	27/15
JUL	0.042	0.076	27/14	0.074	17/13	0.073	15/11	0.073	30/13
AUG	0.039	0.076	11/19	0.075	2/10	0.074	28/12	0.072	12/13
SEP	0.029	0.069	17/15	0.066	16/15	0.062	19/9	0.061	10/16
OCT	0.020	0.052	3/13	0.051	12/12	0.049	2/16	0.049	22/15
NOV	0.017	0.051	20/10	0.050	11/13	0.047	18/0	0.046	17/23
DEC	0.009	0.041	5/1	0.041	22/2	0.040	30/3	0.038	4/23

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.076	Jul 27/14	0.076	Aug 11/19	0.075	Aug 2/10	0.074	Jul 17/13

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.010	0.038	2/13	0.037	3/13	0.037	28/13	0.037	31/15
FEB	0.023	0.051	27/13	0.049	26/13	0.048	24/8	0.047	25/12
MAR	0.031	0.068	26/17	0.058	27/13	0.057	7/13	0.056	17/13
APR	0.037	0.065	16/14	0.065	22/21	0.063	17/12	0.062	6/13
MAY	0.037	0.065	12/13	0.064	24/9	0.062	26/15	0.060	16/17
JUN	0.033	0.069	26/13	0.069	27/16	0.069	29/11	0.068	18/14
JUL	0.036	0.072	15/12	0.072	27/15	0.071	17/11	0.069	16/12
AUG	0.033	0.074	12/14	0.069	11/19	0.066	2/12	0.066	3/12
SEP	0.027	0.070	17/15	0.065	16/16	0.060	18/14	0.060	19/9
OCT	0.020	0.055	12/12	0.051	3/10	0.050	17/13	0.049	2/17
NOV	0.016	0.053	20/12	0.051	11/13	0.048	17/20	0.048	18/0
DEC	0.008	0.039	22/2	0.038	5/11	0.038	30/4	0.036	6/16

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.026	0.074	Aug 12/14	0.072	Jul 15/12	0.072	Jul 27/15	0.071	Jul 17/11

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.010	0.039	25/3	0.039	28/15	0.038	31/15	0.037	3/14
FEB	0.021	0.049	24/12	0.048	26/21	0.048	27/14	0.047	22/13
MAR	0.030	0.069	26/16	0.057	28/13	0.057	30/16	0.055	13-Jul
APR	0.036	0.072	22/21	0.063	16/14	0.062	6/14	0.061	30/11
MAY	0.036	0.070	24/9	0.068	12/13	0.066	16/17	0.066	23/10
JUN	0.035	0.073	26/12	0.073	29/11	0.072	25/11	0.070	18/13
JUL	0.036	0.072	15/12	0.071	27/14	0.071	30/14	0.070	17/13
AUG	0.033	0.076	2/11	0.076	12/14	0.074	11/21	0.068	3/12
SEP	0.025	0.068	16/15	0.068	17/15	0.062	19/9	0.061	18/14
OCT	0.019	0.053	12/12	0.051	3/10	0.050	7/15	0.050	8/13
NOV	0.016	0.051	11/13	0.049	20/12	0.047	18/0	0.046	17/23
DEC	0.010	0.041	22/2	0.040	5/2	0.039	30/4	0.036	25/14

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.026	0.076	Aug 2/11	0.076	Aug 12/14	0.074	Aug 11/21	0.073	Jun 26/12

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - ONE (1) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.016	0.039	2/13	0.039	24/21	0.038	25/2	0.038	31/14
FEB	0.029	0.050	26/23	0.049	22/1	0.049	24/11	0.048	21/15
MAR	0.035	0.070	26/17	0.062	29/5	0.060	27/13	0.060	28/12
APR	0.043	0.076	22/21	0.066	16/14	0.064	6/16	0.064	28/13
MAY	0.043	0.071	12/13	0.069	24/9	0.065	26/15	0.064	19/8
JUN	0.036	0.067	26/12	0.066	18/15	0.065	27/16	0.064	25/10
JUL	0.040	0.069	16/11	0.066	27/15	0.065	13/13	0.064	15/11
AUG	0.037	0.075	12/13	0.071	11/18	0.069	28/15	0.065	2/13
SEP	0.034	0.066	17/15	0.065	19/7	0.061	18/21	0.059	29/1
OCT	0.026	0.051	3/9	0.049	12/18	0.047	2/14	0.047	8/12
NOV	0.024	0.053	20/12	0.052	11/12	0.048	18/1	0.047	9/14
DEC	0.015	0.044	13/2	0.043	30/01	0.042	15/12	0.042	29/21

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.031	0.076	Apr 22/21	0.075	Aug 12/13	0.071	May 12/13	0.071	Aug 11/18

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Incline

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.027	0.042	5/12	0.041	27/9	0.038	2/23	0.038	28/19
FEB	0.033	0.049	27/9	0.046	15/3	0.045	26/16	0.044	13/1
MAR	0.041	0.060	29/7	0.059	26/15	0.058	7/9	0.055	10/9
APR	0.044	0.061	22/15	0.060	16/10	0.060	17/10	0.059	3/8
MAY	0.040	0.062	12/11	0.058	23/10	0.058	24/8	0.057	19/7
JUN	0.038	0.063	24/12	0.062	26/8	0.060	29/9	0.059	28/10
JUL	0.041	0.059	10/8	0.059	11/8	0.055	7/20	0.055	9/9
AUG	0.041	0.068	11/11	0.064	12/7	0.060	22/23	0.060	28/10
SEP	0.040	0.064	19/16	0.060	19/5	0.056	20/8	0.055	13/8
OCT	0.032	0.052	3/10	0.051	12/8	0.049	12/16	0.048	2/23
NOV	0.034	0.051	11/9	0.049	9/19	0.049	20/2	0.048	10/13
DEC	0.033	0.048	25/8	0.046	24/18	0.045	15/20	0.044	22/16

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.037	0.068	Aug 11/11	0.064	Aug 12/7	0.064	Sep 19/16	0.063	Jun 24/12

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Lemmon Valley

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.016	0.039	28/10	0.038	2/7	0.037	3/10	0.037	5/9
FEB	0.029	0.051	24/6	0.048	26/9	0.048	27/10	0.046	20/11
MAR	0.036	0.063	26/11	0.057	27/9	0.056	17/9	0.054	7/10
APR	0.039	0.064	22/16	0.060	28/10	0.059	6/10	0.058	29/11
MAY	0.040	0.066	12/9	0.065	24/7	0.059	11/11	0.059	23/16
JUN	0.038	0.063	29/8	0.062	24/10	0.062	25/7	0.060	27/11
JUL	0.041	0.065	10/9	0.062	17/8	0.060	24/8	0.059	9/8
AUG	0.038	0.072	11/14	0.065	28/10	0.064	27/9	0.062	10/9
SEP	0.031	0.059	19/7	0.057	17/9	0.056	18/14	0.056	19/15
OCT	0.024	0.050	3/8	0.049	12/9	0.048	12/17	0.046	2/11
NOV	0.022	0.048	11/9	0.048	20/5	0.046	17/17	0.042	6/7
DEC	0.019	0.043	15/8	0.042	22/4	0.041	31/17	0.040	8/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.031	0.072	Aug 11/14	0.066	May 12/9	0.065	May 24/7	0.065	Aug 28/10

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.009	0.035	24/23	0.035	28/9	0.033	2/8	0.033	3/10
FEB	0.023	0.045	27/8	0.044	24/9	0.043	26/7	0.042	15/9
MAR	0.031	0.056	26/11	0.051	28/11	0.051	29/8	0.049	30/10
APR	0.037	0.065	22/18	0.058	28/9	0.057	6/10	0.056	16/10
MAY	0.040	0.064	12/10	0.061	24/8	0.060	16/11	0.060	26/8
JUN	0.037	0.062	24/10	0.062	25/8	0.062	29/9	0.061	27/9
JUL	0.042	0.065	10/10	0.064	17/9	0.062	27/8	0.061	9/9
AUG	0.038	0.073	11/15	0.067	2/9	0.064	28/10	0.062	10/10
SEP	0.029	0.058	17/10	0.058	19/9	0.056	16/12	0.055	18/13
OCT	0.020	0.049	3/9	0.047	12/11	0.044	11/10	0.042	2/12
NOV	0.017	0.048	20/7	0.043	17/19	0.042	11/12	0.039	22/6
DEC	0.008	0.039	4/23	0.038	22/0	0.035	22/8	0.034	5/8

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.028	0.073	Aug 11/15	0.067	Aug 2/9	0.065	Apr 22/18	0.065	Jul 10/10

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.010	0.035	3/10	0.033	2/6	0.033	24/19	0.031	25/11
FEB	0.022	0.047	24/5	0.047	26/7	0.046	27/9	0.044	22/8
MAR	0.031	0.058	26/11	0.052	27/10	0.051	14/12	0.051	28/10
APR	0.037	0.060	16/11	0.059	6/10	0.058	22/15	0.056	13/9
MAY	0.037	0.065	12/13	0.064	24/9	0.062	26/15	0.060	16/17
JUN	0.033	0.061	26/10	0.060	29/9	0.059	18/10	0.059	25/9
JUL	0.036	0.062	27/10	0.061	17/9	0.059	9/9	0.059	15/9
AUG	0.033	0.066	11/14	0.063	2/9	0.061	12/8	0.060	28/10
SEP	0.026	0.061	17/9	0.058	19/9	0.056	16/11	0.054	18/11
OCT	0.020	0.049	3/9	0.047	12/11	0.045	2/12	0.044	11/10
NOV	0.015	0.048	20/5	0.045	17/18	0.041	11/12	0.040	22/8
DEC	0.008	0.039	22/2	0.038	5/11	0.038	30/4	0.036	6/16

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.026	0.066	Aug 11/14	0.065	May 12/13	0.063	Aug 2/9	0.062	Jul 24/10

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Sparks

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.010	0.035	24/23	0.034	3/10	0.031	2/8	0.031	26/9
FEB	0.021	0.045	27/10	0.043	26/14	0.042	22/10	0.042	24/6
MAR	0.030	0.060	26/11	0.052	28/11	0.052	29/8	0.051	27/10
APR	0.036	0.060	16/11	0.060	22/15	0.059	6/10	0.058	28/11
MAY	0.035	0.064	12/9	0.063	24/8	0.060	16/11	0.059	23/9
JUN	0.034	0.064	25/8	0.063	24/10	0.063	29/9	0.062	26/10
JUL	0.035	0.063	17/9	0.061	9/8	0.060	10/8	0.060	15/9
AUG	0.033	0.069	11/15	0.068	2/8	0.062	27/10	0.061	12/9
SEP	0.024	0.058	17/10	0.058	19/9	0.055	16/10	0.055	18/13
OCT	0.018	0.048	3/9	0.045	12/11	0.043	11/11	0.040	2/11
NOV	0.015	0.045	20/5	0.038	17/20	0.038	22/9	0.037	7/8
DEC	0.009	0.039	22/0	0.037	5/1	0.037	22/8	0.035	5/9

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.025	0.069	Aug 11/15	0.068	Aug 2/8	0.064	May 12/9	0.064	Jun 25/8

* Hour Beginning

2009 ANNUAL SUMMARY
OZONE (ppm) - EIGHT (8) HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.016	0.037	24/20	0.035	2/7	0.034	3/9	0.033	8/8
FEB	0.029	0.045	21/22	0.044	22/9	0.044	24/4	0.044	26/7
MAR	0.035	0.061	26/11	0.054	27/10	0.054	28/10	0.054	29/0
APR	0.043	0.067	22/17	0.061	28/9	0.060	6/10	0.060	29/11
MAY	0.042	0.067	12/9	0.063	24/7	0.061	19/7	0.060	23/8
JUN	0.036	0.061	26/10	0.058	18/11	0.058	25/8	0.058	29/9
JUL	0.039	0.061	27/10	0.059	9/9	0.059	13/9	0.058	10/9
AUG	0.037	0.075	12/13	0.071	11/18	0.069	28/15	0.065	2/13
SEP	0.033	0.061	19/6	0.059	17/10	0.059	19/14	0.055	18/14
OCT	0.026	0.050	3/9	0.047	12/13	0.045	2/12	0.044	8/8
NOV	0.024	0.049	11/11	0.048	20/6	0.044	17/18	0.043	9/12
DEC	0.014	0.038	15/11	0.037	21/9	0.037	22/1	0.036	6/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.031	0.075	Aug 12/13	0.071	Aug 11/18	0.069	Aug 28/15	0.067	Apr 22/17

* Hour Beginning

2009 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3 (designated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	13.5	21.4	1st	19.9	22nd	17.3	28th	15.2	7th
FEB	5.1	11.0	3rd	7.7	21st	6.6	18th	4.2	6th
MAR	4.7	7.3	14th	6.8	17th	6.2	20th	6.1	11th
APR	4.8	6.1	4th	5.9	7th	5.9	13th	5.4	16th
MAY	5.4	7.9	16th	7.2	19th	6.2	22nd	6.2	31st
JUN	5.4	6.9	27th	6.6	12th	6.6	30th	6.2	24th
JUL	5.3	7.2	30th	6.5	18th	6.3	15th	6.1	9th
AUG	8.6	17.9	17th	12.6	8th	11.2	11th	9.2	20th
SEP	5.3	8.0	28th	5.9	19th	5.9	16th	5.8	25th
OCT	5.1	7.8	31st	7.4	10th	6.9	22nd	5.3	7th
NOV	8.0	13.3	30th	12.6	24th	11.7	9th	9.5	3rd
DEC	22.8	52.6	9th	41.2	18th	40.5	15th	24.3	24th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	10.20	52.6	Dec 9th	41.2	Dec 18th	40.5	Dec 15th	24.30	Dec 24th

* Hour Beginning

2009 ANNUAL SUMMARY
PM2.5 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3 (collocated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	13.1	21.1	1st	19.4	22nd	15.1	31st	14.8	16th
FEB	6.0	16.8	3rd	7.9	21st	6.5	18th	5.5	15th
MAR	4.7	7.3	14th	6.9	17th	6.2	20th	5.9	8th
APR	4.7	6.0	13th	5.9	4th	5.9	7th	5.5	16th
MAY	5.4	8.0	16th	7.0	19th	6.2	22nd	6.2	25th
JUN	5.3	7.0	27th	6.8	30th	6.4	12th	6.2	18th
JUL	5.2	6.9	30th	6.7	18th	6.3	15th	6.0	3rd
AUG	8.8	18.3	17th	13.2	8th	11.7	11th	9.3	20th
SEP	5.4	8.6	28th	6.0	10th	6.0	25th	5.9	19th
OCT	5.0	7.7	31st	6.8	22nd	6.7	10th	5.5	16th
NOV	7.5	13.3	30th	12.6	24th	9.4	3rd	8.8	15th
DEC	22.8	53.4	9th	41.1	18th	40.2	15th	24.3	24th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	9.90	53.40	Dec 9th	41.10	Dec 18th	40.20	Dec 15th	24.30	Dec 24th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Galletti

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	62	91	7th	88	1st	67	13th	62	31st
FEB	30	38	12th	29	24th	23	6th	N/A	
MAR	32	50	14th	48	20th	30	8th	22	26th
APR	29	64	7th	30	13th	22	19th	18	1st
MAY	21	45	19th	18	13th	16	5th	16	25th
JUN	28	45	30th	32	24th	26	18th	8	6th
JUL	22	30	24th	27	30th	23	18th	19	6th
AUG	39	50	11th	41	17th	33	5th	31	29th
SEP	48	71	28th	50	22nd	42	16th	41	10th
OCT	23	32	10th	31	22nd	24	16th	19	28th
NOV	29	45	3rd	44	9th	21	15th	20	21st
DEC	49	77	15th	75	9th	42	3rd	29	27th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	33	91	Jan 7th	88	Jan 1st	77	Dec 15th	75	Dec 9th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Plumbkit

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	57	93	1st	75	7th	61	13th	54	31st
FEB	21	28	18th	19	12th	19	24th	18	6th
MAR	22	34	14th	29	20th	24	8th	15	26th
APR	19	39	7th	19	13th	17	19th	13	1st
MAY	14	24	19th	16	31st	14	25th	11	7th
JUN	16	23	30th	18	24th	15	18th	15	12th
JUL	15	20	30th	18	24th	15	18th	10	12th
AUG	24	35	17th	27	11th	23	5th	17	29th
SEP	30	46	28th	27	10th	27	22nd	26	16th
OCT	19	24	22nd	23	10th	15	28th	13	4th
NOV	26	35	3rd	32	9th	28	15th	20	21st
DEC	48	73	9th	67	15th	38	27th	37	3rd

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	26	93	Jan 1st	75	Jan 7th	73	Dec 9th	67	Dec 15th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	47	72	1st	68	7th	47	31st	41	13th
FEB	17	22	18th	17	24th	14	6th	13	12th
MAR	18	31	14th	31	29th	23	20th	17	8th
APR	14	20	7th	19	22nd	16	4th	16	28th
MAY	15	24	19th	20	22nd	19	16th	16	28th
JUN	14	20	24th	18	27th	18	30th	16	18th
JUL	14	19	30th	17	9th	17	15th	17	18th
AUG	21	33	17th	26	20th	24	11th	22	8th
SEP	23	48	7th	33	28th	24	25th	22	10th
OCT	13	22	4th	20	1st	18	22nd	18	31st
NOV	18	29	24th	27	30th	24	3rd	22	9th
DEC	41	78	18th	72	9th	68	24th	66	15th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	20	78	Dec 18th	72	Jan 1st	72	Dec 9th	68	Jan 7th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: South Reno

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	38	59	7th	47	1st	45	13th	41	19th
FEB	14	19	6th	14	18th	11	12th	11	24th
MAR	13	22	20th	17	14th	11	8th	11	26th
APR	13	15	7th	15	13th	14	19th	11	1st
MAY	15	21	19th	15	25th	15	31st	13	13th
JUN	17	35	30th	17	24th	16	18th	13	12th
JUL	16	24	30th	18	25th	17	18th	11	6th
AUG	20	27	11th	27	17th	19	5th	17	23rd
SEP	23	28	28th	25	10th	23	22nd	22	16th
OCT	14	24	10th	12	16th	11	4th	9	28th
NOV	18	23	3rd	22	9th	15	15th	12	27th
DEC	36	57	31st	44	15th	24	3rd	18	21st

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	20	59	Jan 7th	57	Dec 31st	47	Jan 1st	45	Jan 13th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks (designated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	52	64	1st	62	7th	60	13th	60	19th
FEB	17	18	6th	17	18th	16	24th	15	12th
MAR	17	50	14th	48	20th	30	8th	22	26th
APR	16	20	7th	19	22nd	16	4th	16	28th
MAY	14	26	19th	15	25th	14	13th	12	31st
JUN	16	30	24th	23	24th	14	18th	13	12th
JUL	17	23	30th	20	24th	18	18th	12	6th
AUG	21	30	11th	24	17th	20	5th	16	29th
SEP	28	35	28th	29	22nd	28	10th	27	16th
OCT	21	30	10th	23	16th	23	22nd	17	28th
NOV	27	40	3rd	38	9th	20	15th	18	21st
DEC	39	67	9th	47	15th	38	3rd	24	27th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	24	67	Dec 9th	64	Jan 1st	62	Jan 7th	60	Jan 13th

* Hour Beginning

2009 ANNUAL SUMMARY
PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Sparks (collocated)

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	52	64	7th	63	13th	62	1st	60	19th
FEB	18	19	6th	19	18th	17	24th	16	12th
MAR	17	25	14th	23	20th	20	8th	13	26th
APR	16	27	7th	18	19th	16	13th	9	1st
MAY	15	26	19th	16	25th	14	13th	12	31st
JUN	16	24	30th	22	24th	15	18th	13	12th
JUL	17	22	30th	20	24th	19	18th	13	6th
AUG	21	31	11th	24	17th	20	5th	15	29th
SEP	28	36	28th	29	22nd	28	10th	26	16th
OCT	20	31	10th	23	16th	22	22nd	17	28th
NOV	26	39	3rd	38	9th	20	15th	19	21st
DEC	38	66	9th	48	15th	39	3rd	23	27th

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	24	66	Dec 9th	64	Jan 7th	63	Jan 13th	62	Jan 1st

* Hour Beginning

2009 ANNUAL SUMMARY PM10 ($\mu\text{g}/\text{m}^3$) - 24 HOUR AVERAGES

Location: Toll

MONTH	AVG.	HIGH	DATE	2ND HIGH	DATE	3RD HIGH	DATE	4TH HIGH	DATE
JAN	28	42	7th	39	1st	32	19th	28	13th
FEB	10	16	6th	9	12th	7	18th	6	24th
MAR	11	18	20th	13	14th	10	26th	9	8th
APR	11	13	7th	12	13th	11	19th	9	1st
MAY	16	34	19th	16	31st	14	25th	13	13th
JUN	13	19	24th	14	18th	12	12th	6	6th
JUL	15	18	18th	15	6th	15	24th	13	12th
AUG	24	35	11th	29	17th	22	5th	21	29th
SEP	29	39	28th	32	10th	29	16th	24	22nd
OCT	13	17	10th	15	22nd	13	16th	11	4th
NOV	15	25	9th	21	3rd	11	15th	10	21st
DEC	24	46	9th	27	27th	24	15th	18	3rd

ANNUAL STATISTICS	AVG.	HIGH	MONTH/ DAY	2ND HIGH	MONTH/ DAY	3RD HIGH	MONTH/ DAY	4TH HIGH	MONTH/ DAY
	18	46	Dec 9th	42	Jan 7th	39	Jan 1st	39	Sep 28th

* Hour Beginning

2009 ANNUAL SUMMARY NO2 (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.026	0.062	12/10	0.061	14/9	0.057	15/8	0.051	1/9
FEB	0.018	0.046	4/10	0.046	21/18	0.044	20/19	0.042	27/21
MAR	0.013	0.051	26/21	0.044	25/6	0.043	5/5	0.043	8/0
APR	0.011	0.047	30/5	0.045	4/23	0.043	5/0	0.043	16/21
MAY	0.009	0.045	6/4	0.038	4/5	0.037	8/22	0.037	18/6
JUN	0.010	0.036	26/23	0.033	23/1	0.029	30/22	0.028	20/22
JUL	0.010	0.038	28/8	0.035	29/8	0.035	14/7	0.032	7/3
AUG	0.011	0.040	14/7	0.040	20/9	0.038	21/7	0.035	13/2
SEP	0.017	0.048	19/0	0.047	21/19	0.043	10/9	0.043	22/18
OCT	0.019	0.049	12/8	0.046	23/19	0.045	8/21	0.044	9/0
NOV	0.024	0.054	5/9	0.053	17/8	0.052	19/9	0.049	30/9
DEC	0.041	0.096	10/10	0.095	9/11	0.083	18/10	0.073	15/10

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.017	0.096	Dec 10/10	0.095	Dec 9/11	0.083	Dec 18/10	0.073	Dec 15/10

* Hour Beginning

2009 ANNUAL SUMMARY
NO (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.045	0.298	15/8	0.272	14/8	0.262	7/8	0.230	1/6
FEB	0.014	0.163	5/7	0.144	2/8	0.137	3/7	0.137	20/8
MAR	0.008	0.123	14/6	0.107	18/7	0.098	25/6	0.083	12/8
APR	0.005	0.074	17/7	0.071	4/6	0.058	30/6	0.049	11/6
MAY	0.004	0.074	7/5	0.048	1/7	0.044	4/7	0.042	18/6
JUN	0.004	0.039	22/5	0.035	3/7	0.032	23/7	0.031	4/4
JUL	0.004	0.045	14/7	0.037	29/7	0.025	1/7	0.025	28/8
AUG	0.005	0.064	31/6	0.059	14/7	0.038	.038	0.029	18/9
SEP	0.008	0.098	1/6	0.084	28/5	0.065	21/6	0.062	12/7
OCT	0.013	0.153	12/8	0.139	29/8	0.115	17/7	0.113	26/7
NOV	0.021	0.182	5/9	0.169	30/9	0.147	19/9	0.134	17/8
DEC	0.062	0.313	9/7	0.313	18/8	0.278	16/20	0.267	1/8

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.016	0.313	Dec 9/7	0.313	Dec 18/8	0.298	Jan 15/8	0.278	Dec 16/20

* Hour Beginning

2009 ANNUAL SUMMARY
NOx (ppm) - HOURLY AVERAGES

Location: Reno3

MONTH	AVG.	HIGH	DATE/ HOUR*	2ND HIGH	DATE/ HOUR*	3RD HIGH	DATE/ HOUR*	4TH HIGH	DATE/ HOUR*
JAN	0.072	0.355	15/8	0.328	14/8	0.305	7/8	0.253	28/8
FEB	0.031	0.200	5/7	0.182	2/8	0.180	20/8	0.171	3/7
MAR	0.022	0.163	14/6	0.147	18/7	0.141	25/6	0.121	12/8
APR	0.016	0.115	17/7	0.106	4/6	0.102	30/6	0.085	27/6
MAY	0.013	0.110	7/5	0.078	4/6	0.078	18/6	0.076	1/7
JUN	0.013	0.064	22/5	0.058	23/7	0.056	3/7	0.050	4/4
JUL	0.013	0.079	14/7	0.071	29/7	0.063	28/8	0.054	1/7
AUG	0.015	0.098	14/7	0.093	31/6	0.066	21/7	0.060	20/9
SEP	0.024	0.127	1/6	0.117	28/5	0.099	12/7	0.099	21/6
OCT	0.032	0.202	12/8	0.182	29/8	0.147	26/7	0.145	17/7
NOV	0.044	0.235	5/9	0.218	30/9	0.199	19/9	0.186	17/8
DEC	0.103	0.390	9/7	0.385	18/8	0.336	16/20	0.333	10/7

ANNUAL STATISTICS	AVG.	HIGH	MONTH DATE/HOUR*	2ND HIGH	MONTH DATE/HOUR*	3RD HIGH	MONTH DATE/HOUR*	4TH HIGH	MONTH DATE/HOUR*
	0.033	0.390	Dec 9/7	0.385	Dec 18/8	0.355	Jan 15/8	0.336	Dec 16/20

* Hour Beginning