



**2012 Annual Monitoring
Network Report
for
Small Districts in California**

June 2012

California Environmental Protection Agency

 **Air Resources Board**

**2012 ANNUAL MONITORING NETWORK REPORT
FOR
SMALL DISTRICTS IN CALIFORNIA**

California Air Resources Board

June 2012

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Section 1. Purpose, scope, and organization of report

In California, there are more than 250 locations where ambient air quality is routinely measured for gaseous and particulate air pollutants. The measured data form a backbone for air quality management programs, provide the public with information on current conditions and the progress in improving air quality, and are used by health researchers, business interests, environmental groups, and others.

This report describes the network of ambient air quality monitors in parts of California. The report meets requirements for an annual network plan as listed in Title 40, Part 58, Section 10 of the Code of Federal Regulations (40 CFR 58.10). The language of 40 CFR 58.10 is included in Appendix A of this report. The regulations require that the report be submitted to the U.S. Environmental Protection Agency (U.S. EPA) in July of each year.

Twelve local air agencies in California that operate monitoring sites are reporting separately on the ambient monitors within their jurisdictions. The geographical scope of this report consists of 28 counties or portions of counties with ambient monitoring sites for which the local air agencies are not drafting a separate report. Table 1 lists the local agencies that are drafting their own reports and those whose monitoring is included in this report. Figure 1 shows the areas covered by this report and the locations of the included monitoring sites. Table 2 lists the elements required in 40 CFR 58.10 to be in the network plan. Also listed in Table 2 is the location(s) within the report that provides information on each required element. Table 3 in Section 3 of the report lists each of the monitoring sites covered in this report together with its purpose. Table 4 in Section 4 of the report lists additional information about the same monitors, such as monitoring objective and spatial scale information. Table 5 in Section 5 and Appendix B of the report lists the numbers of required and existing monitoring sites by metropolitan statistical areas (MSA) that are covered in the geographical scope of this report. Table 6 in Section 5 lists the number of required and existing monitoring sites by Core-Based Statistical Area (CBSA) for SO₂. Tables 7, 8 and 9 in Section 6 list the number of required and existing collocation sites for PM_{2.5}, continuous PM_{2.5} and PM₁₀. Table 10 in Section 7 of the report lists the current operating schedules of the PM_{2.5} monitors at PM_{2.5} monitoring sites that are covered in this report.

While this report covers monitoring in limited parts of California, the California Air Resources Board (ARB) produces other publicly available information on air quality monitoring throughout all of California. Section 10 of this report lists references and web links to this information.

As required by the regulations, this report includes monitors which are federal reference methods (FRM) or federal equivalent methods (FEM) and operated by air agencies. While the CFR also requires reporting of approved regional

methods (ARM), no ARMs are in operation in California at this time, and there are no plans to operate monitors of this type in California. The terms FRM and FEM denote monitoring instruments that are permitted by federal regulation to measure concentrations of pollutants for comparison to the ambient air quality standards. An ARM is a state- or locally-approved device that serves the same purpose.

In compiling this report, ARB solicited input from and review by the local air districts whose jurisdictions are included. Also, the report was available for a 30 day public inspection period prior to its submittal to the U.S. EPA. This report can be downloaded from the internet at www.arb.ca.gov/aqd/amnr/amnr.htm.

Table 1
Agencies Drafting Annual Network Plans

Air districts drafting their own Annual Network Plans	Air districts that are included in this ARB report
Great Basin Unified APCD Imperial County APCD Monterey Bay Unified APCD North Coast Unified AQMD Sacramento Metropolitan AQMD San Diego County APCD San Francisco Bay Area AQMD San Joaquin Valley Unified APCD San Luis Obispo County APCD Santa Barbara County APCD South Coast AQMD Ventura County APCD	Amador County APCD Antelope Valley APCD Butte County AQMD Calaveras County APCD Colusa County APCD Eastern Kern APCD El Dorado County AQMD Feather River AQMD Glenn County APCD Lake County AQMD Lassen County APCD Mariposa County APCD Mendocino County AQMD Modoc County APCD Mojave Desert AQMD Northern Sierra AQMD Northern Sonoma County APCD Placer County APCD Shasta County AQMD Siskiyou County APCD Tehama County APCD Tuolumne County APCD Yolo-Solano AQMD

APCD stands for Air Pollution Control District
 AQMD stands for Air Quality Management District

Figure 1

Counties and Monitoring Sites in this Report



Table 2
Location of Information Required for Annual Network Plan

Elements required by 40 CFR 58.10	Location in Annual Network Plan
Monitoring purpose information	Section 3
Evidence that siting and operation criteria are met Appendix A Appendix C Appendix D Appendix E	Section 6, Appendix D and E Section 6, Appendix D and E Section 5 Section 6, Appendix D and E
Air Quality System Site Identification Number (AQS Site ID)	Section 3, Table 3 Section 4, Table 4 Appendix D and E
Location of sites Street address Geographic coordinates	Section 3, Table 3, App D & E Section 4, Table 4, App D & E
Sampling and analysis methods of monitors	Section 4, Table 4
Operating schedules for monitors	Section 7
Proposals to move/remove stations	Section 9, Appendix C
Monitoring objectives and spatial scale	Section 4, Table 4
Sites suitable or not for comparison to the annual PM _{2.5} National Ambient Air Quality Standard (NAAQS)	Section 8.1
Metropolitan, core-based, combined, or other statistical area information (MSA, CBSA, CSA, and micropolitan)	Section 3, Table 3 Section 4, Table 4 Section 5, Tables 5 & 6 Appendix B, D & E
Review of changes to PM _{2.5} Network	Section 8.2

Section 2. General information about the monitoring network

California's ambient air monitoring network is one of the most extensive in the world, consisting of over 250 sites where air pollution levels are monitored and more than 700 monitors used to measure the pollutant levels. The monitoring network needs to be large to cover the diverse range of topography, meteorology, emissions, and air quality in California, while adequately representing a large population. The monitoring network is critical in assessing the State's clean air progress and in determining pollutant exposures in California.

The network of monitoring sites for a pollutant tends to be denser where the air quality problem is worse and where the population is greater. The monitoring network also strives to provide representative data to all the broad geographical areas in California, including the coastal areas, the interior valleys, the desert regions, and the mountainous areas. Monitoring is also conducted in Mexico, across the border from San Diego and Imperial counties. Monitors are operated by ARB, some by local air districts, and a few by other entities including the National Park Service, private contractors, and tribal authorities. Note that tribal monitors are not included in this report.

Ambient concentration data are collected for a wide variety of pollutants. The most prevalent of these are ozone (O₃), particulate matter with a diameter of 2.5 microns or less (PM_{2.5}), particulate matter with a diameter of 10 microns or less (PM₁₀), and a number of toxic compounds. Monitoring for meteorological parameters is also conducted at a number of sites. The data is needed to better understand and inform the public about the nature of the ambient air quality problems in California.

Not all pollutants are monitored at all sites. Most sites monitor for multiple pollutants; other sites monitor for only one or two. The State and local air quality agencies in California make the effort to only collect data that is needed from each site. The needs for the monitoring data are varied. A sense of this can be gathered from the information on monitoring purposes in the next section of this report.

A fundamental purpose of monitoring is to distinguish between areas where pollutant levels violate the ambient air quality standards and areas where they do not. Health-based ambient air quality standards are set at levels of pollutant concentrations that result in adverse impacts to human health. Evidence of a standard being violated in an area leads to efforts to reduce the sources of pollution that result in the exceedances. In other words, air quality agencies develop strategies and regulations to achieve needed emission reductions. Data from the ambient monitoring network are then used to indicate the success of this, in terms of the rate of progress towards attaining the standards or to show that standards have been attained.

Section 3. Purposes served by the monitors

The data from a network of air quality monitors serves many purposes that benefit a number of groups of society in different ways. The data are useful to health researchers, the general public, regulatory agency staff, environmentalists, business interests, and others. For example, the measurements of pollutant concentrations that come from the air quality monitors in the network are used: to determine compliance with ambient air quality standards; as the basis of daily reports to the public in newspapers and on TV; and in determining the levels of pollution above which there are significant adverse health effects. Each monitor in the network serves at least one purpose and most of the monitors serve multiple purposes.

By their nature, some of the purposes are met by a limited number of monitors, e.g., the purpose of monitoring for the highest concentrations of a pollutant in an area. Other purposes are general in nature, e.g., most monitors are useful for public reporting of the ambient air quality in the vicinity of the monitor and for providing spatial representation of air quality in the sub-regions of a larger region. And yet other purposes are quite specific, such as for a special study on health consequences or for modeling an episode of particularly bad air quality.

Some purposes may, in one context, apply to almost all monitoring for a pollutant and in another context more selectively apply to a small subset of the monitors. For example, the purpose of determining compliance with the ambient air quality standards applies to a subset of monitors. The State uses monitoring data to determine if an area is in attainment or non-attainment of the State air quality standards. In this process of determining “State designations”, the data from all monitors in an area can be looked at but only the data from a small number of monitors with the highest concentrations will drive the determination of the designation for the area. Therefore, a smaller number of monitors are given the “State designation” purpose.

The next section includes a short description of monitoring purposes. After that, Table 3 lists the purposes served by each monitor included in the scope of this report, and for which official data for 2011 was reported. Table 3 uses codes to identify the primary purpose of each monitor and the definitions are provided at the end of the table. Note that although the category “general purposes” applies to most of the monitors, the code for “general purposes” only appears if this is the most important purpose for the monitor. Also, no effort was made to indicate whether any monitors are serving ad hoc purposes at this time. Such conditions can change quickly. Lastly, note that the monitoring purpose for the continuous PM monitors is listed in parenthesis in the PM columns in Table 3.

Table 4 in Section 4 of this report lists the *monitoring objectives* of the monitors, which is different than how the term *monitoring purposes* is used in this report. The CFR requires that the monitoring objectives be listed in this annual network

report. These monitoring objectives are the federal monitoring objectives as defined by the U.S. EPA. These do not include a number of additional State and local monitoring objectives that are listed in Table 3. The federal monitoring objectives are a subset of this broader list of monitoring purposes.

Also listed in Table 3 are the locations of the monitors, including the metropolitan and micropolitan statistical areas in which the monitors are located. Certain requirements in 40 CFR 58 are based on metropolitan statistical areas (MSAs). MSAs are part of a classification of geographical regions developed by the U.S. Office of Management and Budget (OMB). An MSA may include one or more counties. However, not all counties are within an MSA. In Table 3, the appropriate metropolitan or micropolitan statistical area is listed after the county name.

Summary of Monitoring Purposes

Agricultural Burning refers to the intentional use of fire for vegetation management, both in agricultural settings, such as fields and orchards, as well as in wildlands, including rangeland and forests, to improve land for wildlife and game habitat or as a tool for disease or pest prevention. Monitors with this purpose are used to assess when and where burning can occur.

Background Level monitoring is used to determine general background levels of air pollutants. Background concentrations vary between different air pollutants. This is a purpose listed by the U.S. EPA.

Expected High Concentration monitoring is used to measure pollutant concentrations in areas where air pollution is expected to be at its highest. The State designation criteria contain the requirement for this type of monitoring in order to show that an area attains the State air quality standards. During the State area designation process, the data from all monitors in an area are examined, but only the data from the monitors with the highest concentrations will determine the designation of the area.

The *Geyser Air Monitoring Program (GAMP)* was established to monitor ambient air quality in geothermal areas, mainly monitoring for hydrogen sulfide.

High Concentration monitoring is done at sites to determine the highest concentration of an air pollutant in an area within the monitoring network. A monitoring network may have multiple high concentration sites, due, for example, to varying meteorology year to year. This is a purpose listed by the U.S. EPA.

Pollutant Transport is the movement of pollutants between air basins or regions. Data from monitors with this purpose are used to assess and determine appropriate mitigation strategies for pollution in upwind areas which affects neighboring downwind areas. Also, data from these monitors are used to

determine the extent of regional pollutant transport among populated areas to agricultural and wildland areas. This is a purpose listed by the U.S. EPA.

Population Exposure monitoring is done to represent the air pollutant concentrations a populated area is exposed to.

Public Reporting means providing air quality data to the general public in a timely manner. Data can be presented in a number of ways including newspapers and TV, internet web pages, air quality maps, and hardcopies.

Residential Burning or backyard burning is the open burning of yard wastes by household residents. Backyard burning includes dry weeds, plant pruning, shrubbery, tree trimmings, and branches. Data from monitors with this purpose help guide decisions regarding appropriate times to allow residential burning.

Representative Concentration means locating a site to represent a geographical region with common topography and meteorology. These sites do not necessarily indicate the highest concentrations in the area for a particular pollutant. This is a purpose listed by the U.S. EPA.

Source Impact monitoring is used to determine the impact of significant sources or source categories of air quality emissions on ambient air quality. The air pollutant sources may be stationary or mobile. This is a purpose listed by the U.S. EPA.

State Area Designation monitoring is used to determine compliance with the State ambient air quality standards for a particular pollutant. Using the monitors with the highest concentrations of a particular pollutant, the ARB determines if the area is in attainment or non-attainment of the State air quality standards, as already described in the discussion of Expected High Concentration Monitoring.

State Implementation Plan (SIP) and/or Maintenance Plan Requirement is monitoring conducted to demonstrate compliance with SIP requirements. The SIP is a plan prepared by states and submitted to the U.S. EPA describing how each area will attain and maintain federal air quality standards. Once an area attains a standard, the area is required to show and maintain that status, which requires continued monitoring in the area.

Trend Analysis monitoring is useful for comparing and analyzing air pollution concentrations over time and distance. Usually, trend analyses show the progress or lack of progress in improving air quality for an area over a period of years. Some sites are more useful than others for trend analyses. For example, it is better to have a history of monitoring at a site that includes the full time period of a trend analysis.

Welfare Effects monitoring is use to measure air pollution impacts on visibility, vegetation damage, or other welfare-based impacts. This is a purpose listed by the U.S. EPA.

Table 3
Monitoring Purposes
(Monitors reporting data in 2011)

Station/Address	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
LAKE COUNTY AIR BASIN							
Lake County Clearlake**							
Middletown-Anderson Springs Road 11270 Anderson Springs Road, Middletown	060333010						Gnrl/GAMP StateD
Glenbrook-High Valley Road 8276 High Valley Road, Cobb	060333011						Gnrl/GAMP StateD
Lakeport-Lakeport Blvd 905 Lakeport Blvd, Lakeport	060333001	Gnrl/StateD				Gnrl/StateD	Gnrl/StateD
LAKE TAHOE AIR BASIN							
El Dorado County Sacramento-Arden-Arcade-Roseville MSA							
South Lake Tahoe-Sandy Way 3337 Sandy Way, South Lake Tahoe	060170011						(RConc)
MOJAVE DESERT AIR BASIN							
Kern County Bakersfield MSA							
Canebrake-3147 Highway 178 3147 Highway 178, Canebrake	060290017						RConc
Mojave-923 Poole Street 923 Poole Street, Mojave	060290011	HConc/StateD SIPMain/Trans				StateD/RConc (StateD/RConc)	StateD ¹ (StateD)
Ridgecrest-100 West California Avenue 100 West California Avenue, Ridgecrest	060290015					StateD/RConc	StateD/RConc SIPMain
Tehachapi-Curry 802 South Curry Street, Tehachapi	060299903	Trans***					(Gnrl***)
Los Angeles County Los Angeles-Long Beach-Santa Ana MSA							
Lancaster-43301 Division Street 43301 Division Street, Lancaster	060379033	Trans	Gnrl	Gnrl		Gnrl	Gnrl (RConc/Gnrl)
Riverside County Riverside-San Bernardino-Ontario MSA							
Blythe-445 W Murphy Street 445 W Murphy Street, Blythe	060659003	Gnrl					
San Bernardino County Riverside-San Bernardino-Ontario MSA							
Barstow-200 E Buena Vista Road 200 E Buena Vista Road, Barstow	060710001	Trans	Gnrl	Gnrl			Gnrl
Hesperia-Olive Street 17288 Olive Street, Hesperia	060714001	Trans					Gnrl
Joshua Tree National Monument	060719002	RConc					
Lucerne Valley-Middle School 8560 Aliento-Middle School, Lucerne Valley	060710013						Gnrl
Phelan-Beekley and Phelan Roads Beekley Road and Phelan Road, Phelan	060710012	Trans					
Trona-Athol and Telescope Corner of Athol and Telescope, Trona	060711234	Gnrl		Gnrl	Gnrl		Gnrl (HConc)
Victorville-14036 Park Avenue 14036 Park Avenue, Victorville	060710306	Trans	Gnrl	Gnrl	Gnrl	Gnrl	Gnrl (RConc/Gnrl)

Table 3
Monitoring Purposes
(Monitors reporting data in 2011)

Station/Address	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
MOUNTAIN COUNTIES AIR BASIN							
Amador County N/A							
Jackson-201 Clinton Road 201 Clinton Road, Jackson	060050002	Gnrl/StateD Trans/SIP					
Calaveras County N/A							
San Andreas-501 Gold Strike Road 501 Gold Strike Road, San Andreas	060090001	Gnrl/StateD Trans/SIP				(SPM)	Gnrl
El Dorado County Sacramento-Arden-Arcade-Roseville MSA							
Cool-Highway 193 1400 American River Trail, Cool	060170020	HConc/SIP					
Echo Summit 21200 Highway 50-Little Norway	060170012	Trans					
Placerville-Gold Nugget Way 3111 Gold Nugget Way, Placerville	060170010	StateD/Trans HConc					
Mariposa County N/A							
Jerseydale-6440 Jerseydale 6440 Jerseydale Road, Jerseydale	060430006	StateD/Trans					
Yosemite National Park-Turtleback Dome	060430003	StateD/HConc Trans					
Yosemite Village-Visitor Center	060431001					(SPM)	Gnrl/StateD
Nevada County Truckee-Grass Valley							
Grass Valley-Litton Building 200 Litton Drive, Grass Valley	060570005	HConc/Trans StateD/Gnrl Trends		SPM ³		HConc (Gnrl)	
Truckee-Fire Station 10049 Donner Pass Road, Truckee	060571001	HConc ²				HConc (Gnrl)	
White Cloud Mountain 26533 State Highway 20, White Cloud Mountain	060570007	Bkgnd					
Placer County Sacramento-Arden-Arcade-Roseville MSA							
Colfax-City Hall 33 South Main Street, Colfax	060610004	Gnrl/StateD					
Plumas County N/A							
Chester-222 1st Avenue 222 1st Avenue, Chester	060631007					(Gnrl)	
Portola-161 Nevada Street 161 Nevada Street, Portola	060631009					HConc (Gnrl)	
Quincy-N Church Street 267 North Church Street, Quincy	060631006					HConc (Gnrl)	
Tuolumne County Phoenix Lake-Cedar Ridge							
Sonora-Barretta Street 251 South Barretta Street, Sonora	061090005	Gnrl/StateD SIP					

Table 3
Monitoring Purposes
(Monitors reporting data in 2011)

Station/Address	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
NORTH COAST AIR BASIN							
Mendocino County Ukiah							
Fort Bragg-Dana Street**** 300 Dana Street, Fort Bragg	060450010						(RConc/Gnrl)
Ukiah-County Library 105 North Main Street, Ukiah	060450006					(RConc/Gnrl)	
Ukiah-East Gobbi Street 306 East Gobbi Street, Ukiah	060450008	Trans/StateD					
Willits-125 East Commercial Street 125 East Commercial Street, Willits	060452002					(RConc/Gnrl)	
Sonoma County Santa Rosa-Petaluma MSA							
Cloverdale-100 Washington Street 100 Washington Street, Colverdale	060970001						AgBn/ResBn (RConc****)
Guerneville-Church and 1st 16255 1st Street, Guerneville	060973002						AgBn/ResBn (RConc****)
Healdsburg-133 Matheson Street 133 Matheson Street, Healdsburg	060970002						Gnrl AgBn/ResBn (RConc****)
Healdsburg-Municipal Airport 200a Heidelberg Way, Healdsburg	060971003	Gnrl/StateD					
NORTHEAST PLATEAU AIR BASIN							
Siskiyou County N/A							
Weed-575 White Avenue 575 White Avenue, Weed	060930007					SPM ⁴	
Yreka-Foothill Drive 528 Foothill Drive, Yreka	060932001	Gnrl/StateD Trans				Gnrl	Gnrl/StateD AgBn
SACRAMENTO VALLEY AIR BASIN							
Butte County Chico MSA							
Chico-Manzanita Avenue 468 Manzanita Avenue, Chico	060070002	Gnrl/StateD AgBn	Gnrl	Gnrl		Gnrl/StateD (SPM/AgBn)	Gnrl/StateD AgBn
Gridley-Cowee Avenue 608 Cowee Avenue, Gridley	060074001					(SPM/AgBn)	
Paradise-4405 Airport Road 4405 Airport Road, Paradise	060070007	Gnrl/StateD AgBn/HConc					
Paradise-6701 Clark Road 6701 Clark Road, Paradise	060072002					(SPM/AgBn)	
Colusa County N/A							
Colusa-Sunrise Blvd 100 Sunrise Blvd, Colusa	060111002	Gnrl/AgBn StateD				Gnrl (SPM/AgBn)	Gnrl/StateD AgBn
Glenn County N/A							
Willows-E Laurel Street 720 N Colusa Street, Willows	060210003	Gnrl/StateD AgBn				(SPM/AgBn)	StateD/AgBn

Table 3
Monitoring Purposes
(Monitors reporting data in 2011)

Station/Address	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
Placer County Sacramento-Arden-Arcade-Roseville MSA							
Auburn-Dewitt-C Avenue 108 C Avenue, Auburn	060610002	StateD					
Roseville-N Sunrise Blvd 151 N Sunrise Blvd, Roseville	060610006	StateD/AgBn		Gnrl		Gnrl/StateD (SPM/AgBn)	StateD/AgBn
Shasta County Redding MSA							
Anderson-North Street 2220 North Street, Anderson	060890007	StateD				(Gnrl****)	StateD
Lassen Volcanic Natl Park-Manzanita Lake	060893003	Gnrl					
Redding-Health Department Roof 2630 Hospital Lane, Redding	060890004	Gnrl/StateD				Gnrl	Gnrl/StateD
Shasta Lake-13791 Lake Blvd 13791 Lake Blvd, Shasta Lake	060890009	Gnrl					
Shasta Lake-4066 La Mesa Avenue 4066 La Mesa Avenue, Shasta Lake	060890008						Gnrl
Solano County Vallejo-Fairfield MSA							
Vacaville-Merchant Street 650 Merchant Street, Vacaville	060953001						Gnrl
Vacaville-Ulatis Drive 2012 Ulatis Drive, Vacaville	060953003	StateD/Trans				(Gnrl****)	
Sutter County Yuba City MSA							
Sutter Buttes-S Buttes	061010004	HConc/Trans AgBn					
Yuba City-Almond Street 773 Almond Street, Yuba City	061010003	Gnrl/StateD AgBn		Gnrl		Gnrl (SPM/AgBn)	Gnrl/StateD
Tehama County Red Bluff							
Red Bluff-Main Street 301 S Main Street, Red Bluff	061030006					(RConc/Gnrl)	
Red Bluff-Oak Street 502 Oak Street, Red Bluff	061030005	Gnrl/StateD					
Red Bluff-Messer Drive 700 Messer Drive, Red Bluff	061030002						Gnrl/StateD
Tuscan Butte	061030004	Gnrl/Trans					
Yolo County Sacramento-Arden-Arcade-Roseville MSA							
Davis-UCD Campus	061130004	AgBn/StateD		Gnrl		(SPM/AgBn)	
West Sacramento-15th Street 132 15th Street, West Sacramento	061132001						StateD
Woodland-Gibson Road 41929 E Gibson Road, Woodland	061131003	StateD				Gnrl/StateD (Gnrl****)	AgBn/StateD

Table 3 (Cont.)

Footnotes:

This table only lists sites and monitors that have reported data in 2011 or sites and monitors that were listed on the returned survey questionnaire from the air districts that are covered in this report. Lead monitors are not included in this list because there is no lead monitoring in these areas.

* A monitoring purpose inside a parenthesis () in a PM column denotes that a continuous PM monitor is located at the site. Continuous PM monitors are useful for public reporting, better understanding of episodes of high PM concentrations, identification of sources of pollutants, possible allowance for less frequent filter sampling, etc. A monitoring purpose without a parenthesis is the purpose of the filter-based PM monitor.

** After a county name, the table lists the U.S. Office of Management and Budget's metropolitan (MSA) or *micropolitan* statistical area that includes the county.

*** Monitors for which the data were not being submitted to ARB or EPA in 2011.

****The Fort Bragg site was relocated from North Franklin Street to Dana Street in August 2011.

¹ The PM10 FRM monitor at this site was discontinued in July 2011.

² The ozone monitor at this site was discontinued in May 2011.

³ The NOx analyzer at this site was discontinued in July 2011.

⁴ The continuous PM2.5 BAM monitor at this site is not reporting data to EPA's AQS database at this time.

Codes for Monitoring Purposes

Federal monitoring purposes

HConc	High concentrations
RConc	Representative concentrations
Sourc	Source impact
Bkgnd	Background levels
Trans	Pollutant transport
Welfr	Welfare effects

State and local purposes (includes the purposes above plus these below)

EHConc	Monitoring at expected high concentration sites relative to California Ambient Air Quality Standards
AgBn	Support agricultural/prescribed burn decisions
ResBn	Support residential burn program
Trnds	Trends analysis
StateD	Support State area designation
SIPMain	State Implementation Plan (SIP) maintenance requirement
GAMP	Geyser Air Monitoring Program
SPM	Special Purpose Monitoring

The following purposes apply in a general sense to monitors throughout the network. For these, we use the code "Gnrl" in the table above. We list this code for a monitor when these purposes are some of the predominant purposes for the monitor.

Gnrl	Population exposure/population representation Spatial representation/spatial coverage (geographical representation) Public reporting
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Most monitors are also considered to be of potential use for purposes such as: evaluation of emissions inventories, model validation, and source/pollutant relationships. These purposes are not separately listed in the above table.

Section 4. Federal Monitoring Objectives

U.S. EPA regulations require that the annual network plan list specific additional information about the monitors that characterizes the nature and location of the monitoring. Table 4 lists the monitoring objectives, spatial scales, and sampling methods of the monitors that are covered in this report. Also included in Table 4 are the geographical coordinates of the monitoring sites. Lastly, note that the monitoring objective for the continuous PM monitors is listed in parenthesis in the PM columns in Table 4.

The regulations also require that the annual network plan list the laboratory analysis methods of the monitors. However, there is no separate analysis method for the gaseous monitors and continuous PM monitors. Also, for the filter-based PM monitors, only simple mass weighing is done.

As already pointed out in Section 3, the *monitoring objectives* listed below in Table 4 are not the same as the *monitoring purposes* listed in Table 3 in Section 3. The monitoring objectives used for Table 4 are the federal monitoring objectives as defined by the U.S. EPA. At the end of Table 4, the codes used for the monitoring objectives, spatial scales, and sampling methods are defined.

Table 4

Additional Information About the Monitors
(Monitors reporting data in 2011)

Station/Coordinates	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
LAKE COUNTY AIR BASIN		(Monitoring Objective/Spatial Scale/Sampling Method)					
Lake County Clearlake**							
Middletown-Anderson Springs Road 38.7744, -122.6994	060333010						HC/NS/ SCH, XG
Glenbrook-High Valley Road 38.8502, -122.7361	060333011						HC/NS/ SCH, XG
Lakeport-Lakeport Blvd 39.0330, -122.9219	060333001	HC/US/UV				HC/US/SCH	HC/US/SCH
LAKE TAHOE AIR BASIN							
El Dorado County Sacramento-Arden-Arcade-Roseville MSA							
South Lake Tahoe-Sandy Way 38.9450, -119.9703	060170011						(RC/NS/BAM)
MOJAVE DESERT AIR BASIN							
Kern County Bakersfield MSA							
Canebrake 35.72778, -118.1393	060290017						RC/RS/SI
Mojave-923 Poole Street 35.0503, -118.1478	060290011	HC, TR/RS/ UV				HC/NS/SQ (RC/NS/BAM)	HC/RS/SI ¹ (HC/RS/BAM)
Ridgecrest-100 West California Avenue 35.6211, -117.6731	060290015					HC/NS/SI	HC/NS/SI
Tehachapi-Curry 35.1236, -118.4493	060299903	TR/US/UV***					(RC/US/BAM***)
Los Angeles County Los Angeles-Long Beach-Santa Ana MSA							
Lancaster-43301 Division Street 34.6713, -118.1305	060379033	RC/MS/UV	RC/MS/IR	RC/MS/CL		RC/NS/SQ	RC/NS/SI (RC/NS/TEOM)
Riverside County Riverside-San Bernardino-Ontario MSA							
Blythe-445 W Murphy Street 33.6119, -114.6000	060659003	RC/NS/UV					
San Bernardino County Riverside-San Bernardino-Ontario MSA							
Barstow-200 E Buena Vista Road 34.8938, -117.0244	060710001	RC/NS/UV	RC/NS/IR	RC/NS/CL			RC/NS/SI
Hesperia-Olive Street 34.4158, -117.2861	060714001	RC/NS/UV					RC/NS/SI
Joshua Tree National Monument 34.0694, -116.3888	060719002	RC/RS/UV					
Lucerne Valley-Middle School 34.4103, -116.9067	060710013						RC/NS/SI
Phelan-Beekley and Phelan Roads 34.4250, -117.5897	060710012	RC/NS/UV					
Trona-Athol and Telescope 35.7744, -117.3722	060711234	RC/RS/UV		RC/NS/CL	RC/RS/FL		RC/NS/SI (RC/NS/TEOM)
Victorville-14036 Park Avenue 34.5122, -117.3250	060710306	RC/NS/UV	RC/NS/IR	RC/NS/CL	RC/NS/FL	RC/NS/SQ	RC/NS/SI (RC/NS/TEOM)

Table 4

Additional Information About the Monitors
(Monitors reporting data in 2011)

Station/Coordinates	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
MOUNTAIN COUNTIES AIR BASIN							
(Monitoring Objective/Spatial Scale/Sampling Method)							
Amador County <i>N/A</i>							
Jackson-Clinton Road 38.3427, -120.7644	060050002	HC,TR/US/ UV					
Calaveras County <i>N/A</i>							
San Andreas-Gold Strike Road 38.2019, -120.6802	060090001	HC,TR/RS/ UV				(RC/RS/BAM)	RC/RS/SI
El Dorado County <i>Sacramento-Arden-Arcade-Roseville MSA</i>							
Cool-Highway 193 38.8906, -121.0000	060170020	HC,TR/RS/ UV					
Echo Summit 38.8117, -120.0331	060170012	HC,TR/RS/ UV					
Placerville-Gold Nugget Way 38.7247, -120.8219	060170010	HC,TR/RS/ UV					
Mariposa County <i>N/A</i>							
Jerseydale-6440 Jerseydale 37.5466, -119.8416	060430006	HC,TR/RS/ UV					
Yosemite National Park-Turtleback Dome 37.7133, -119.7058	060430003	HC,TR/RS/ UV					
Yosemite Village-Visitor Center 37.7486, -119.5869	060431001					(RC/NS/BAM)	HC/NS/SI
Nevada County <i>Truckee-Grass Valley</i>							
Grass Valley-Litton Building 39.2336, -121.0555	060570005	RC/US/UV		RC/NS/CL ³		RC/NS/SCH (RC/NS/BAM)	
Truckee-Fire Station 39.3274, -120.1847	060571001	RC/US/UV ²				RC/NS/SQ (RC/NS/BAM)	
White Cloud Mountain 39.3181, -120.8456	060570007	BL/RS/UV					
Placer County <i>Sacramento-Arden-Arcade-Roseville MSA</i>							
Colfax-City Hall 39.0997, -120.9541	060610004	HC/US/UV					
Plumas County <i>N/A</i>							
Chester-222 1st Avenue 40.3097, -121.2277	060631007					(RC/NS/BAM)	
Portola-161 Nevada Street 39.8083, -120.4717	060631009					RC/NS/SCH (RC/NS/BAM)	
Quincy-N Church Street 39.9397, -120.9441	060631006					RC/NS/SQ (RC/NS/BAM)	
Tuolumne County <i>Phoenix Lake-Cedar Ridge</i>							
Sonora-Barretta Street 37.9819, -120.3786	061090005	HC/NS/UV					

Table 4

Additional Information About the Monitors
(Monitors reporting data in 2011)

Station/Coordinates	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
NORTH COAST AIR BASIN							
Mendocino County Ukiah							
Fort Bragg-Dana Street**** 39.4373, -123.7877	060450010						(RC/NS/BAM)
Ukiah-County Library 39.1511, -123.2066	060450006					(RC/NS/BAM)	
Ukiah-East Gobbi Street 39.1447, -123.2002	060450008	HC,TR/US/ UV					
Willits-125 East Commercial Street 39.4118, -123.3528	060452002					(RC/NS/BAM)	
Sonoma County Santa Rosa-Petaluma MSA							
Cloverdale-100 Washington Street 38.8047, -123.0177	060970001						RC/NS/SI (RC/NS/BAM****)
Guerneville-Church and 1st 38.5016, -122.9977	060973002						RC/NS/SI (RC/NS/BAM****)
Healdsburg-133 Matheson Street 38.6111, -122.8686	060970002						RC/NS/SI (RC/NS/BAM****)
Healdsburg-Municipal Airport 38.6536, -122.9005	060971003	RC/US/UV					
NORTHEAST PLATEAU AIR BASIN							
Siskiyou County N/A							
Weed-575 White Avenue 41.4267, -122.3811	060930007					SPM ⁴	
Yreka-Foothill Drive 41.7267, -122.6336	060932001	HC,TR/NS/UV				HC/NS/SQ	HC/NS/SI
SACRAMENTO VALLEY AIR BASIN							
Butte County Chico MSA							
Chico-Manzanita Avenue 39.7575, -121.8422	060070002	HC/US/UV	RC/NS/IR	RC/NS/CL		HC/NS/SCH (RC/NS/BAM)	HC/NS/SI
Gridley-Cowee Avenue 39.3272, -121.6686	060074001					(RC/NS/BAM)	
Paradise-4405 Airport Road 39.7141, -121.6177	060070007	HC/RS/UV					
Paradise-6701 Clark Road 39.7788, -121.5906	060072002					(RC/NS/BAM)	
Colusa County N/A							
Colusa-Sunrise Blvd 39.1888, -121.9980	060111002	RC/RS/UV				RC/NS/SQ (RC/NS/BAM)	HC/RS/SI
Glenn County N/A							
Willows-E Laurel Street 39.5172, -122.1897	060210003	HC/US/UV				(RC/NS/BAM)	HC/RS/SI

Table 4

Additional Information About the Monitors
(Monitors reporting data in 2011)

Station/Coordinates	AQS Site #	OZONE	CO	NO2	SO2	PM2.5*	PM10*
Placer County Sacramento-Arden-Arcade-Roseville MSA							
Auburn-Dewitt-C Avenue 38.9394, -121.1055	060610002	HC/US/UV					
Roseville-N Sunrise Blvd 38.7461, -121.2647	060610006	HC/US/UV		RC/NS/CL		HC/NS/SCH (RC/NS/BAM)	HC/US/SI
Shasta County Redding MSA							
Anderson-North Street 40.4531, -122.2986	060890007	HC/NS/UV				(RC/NS/BAM***)	HC/NS/SI
Lassen Volcanic Natl Park-Manzanita Lake 40.5372, -121.5764	060893003	RC/RS/UV					
Redding-Health Department Roof 40.5514, -122.3808	060890004	HC/NS/UV				RC/NS/SCH	HC/NS/SI
Shasta Lake-13791 Lake Blvd 40.6894, -122.4011	060890009	RC/NS/UV					
Shasta Lake-4066 La Mesa Avenue 40.6775, -122.3733	060890008						RC/RS/SI
Solano County Vallejo-Fairfield MSA							
Vacaville-Merchant Street 38.3516, -121.9933	060953001						RC/US/SI
Vacaville-Ulatis Drive 38.3583, -121.9500	060953003	HC,TR/US/UV				(RC/NS/BAM***)	
Sutter County Yuba City MSA							
Sutter Buttes-S Buttes 39.1583, -121.7500	061010004	HC,TR/RS/UV					
Yuba City-Almond Street 39.1388, -121.6191	061010003	HC/US/UV		RC/NS/CL		RC/NS/SCH (RC/NS/BAM)	HC/NS/SI
Tehama County Red Bluff							
Red Bluff-Main Street 40.1678, -122.2271	061030006					(RC/NS/BAM)	
Red Bluff-Oak Street 40.1749, -122.2366	061030005	HC/US/UV					
Red Bluff-Messer Drive 40.1638, -122.2213	061030002						HC/NS/SI
Tuscan Butte 40.2622, -122.0928	061030004	HC/RS/UV					
Yolo County Sacramento-Arden-Arcade-Roseville MSA							
Davis-UCD Campus 38.5352, -121.7730	061130004	HC/US/UV		RC/NS/CL		(RC/NS/BAM)	
West Sacramento-15th Street 38.5713, -121.5258	061132001						HC/NS/SI
Woodland-Gibson Road 38.6605, -121.7305	061131003	HC/US/UV				HC/NS/SQ (RC/NS/BAM***)	HC/US/SI

Table 4 (Cont.)

Footnotes:

This table only lists sites and monitors that have reported data in 2011 or sites and monitors that were listed on the returned survey questionnaire from the air districts that are covered in this report. Lead monitors are not included in this list because there is no lead monitoring in these areas.

* A monitoring objective inside a parenthesis () in a PM column denotes that a continuous PM monitor is located at the site. Continuous PM monitors are useful for public reporting, better understanding of episodes of high PM concentrations, identification of sources of pollutants, possible allowance for less frequent filter sampling, etc. A monitoring objective without a parenthesis is the objective of the filter-based PM monitor.

** After a county name, the table lists the U.S. Office of Management and Budget's metropolitan (MSA) or *micropolitan* statistical area that includes the county.

*** Monitors for which the data were not being submitted to ARB or EPA in 2011.

**** The Fort Bragg site was relocated from North Franklin Street to Dana Street in August 2011.

¹ The PM10 FRM monitor at this site was discontinued in July 2011.

² The ozone monitor at this site was discontinued in May 2011.

³ The NOx analyzer at this was discontinued in July 2011.

⁴ The continuous PM2.5 BAM monitor at this site is not reporting data to EPA's AQS database at this time.

Codes for Monitoring Objectives, Spatial Scales, and Sampling Methods

Federal monitoring purposes

BL	Background levels
HC	High concentrations
IM	Source impact
RC	Representative concentrations
TR	Pollutant transport

Spatial scales

MI	Microscale
MS	Middle scale
NS	Neighborhood scale
RS	Regional scale
US	Urban scale

Sampling methods

CL	Chemiluminescent
FL	Fluorescence
IR	Nondispersive infrared
SCH	Low volume single channel sampler, size selective inlet
SI	High volume sampler, size selective inlet
SQ	Low volume sequential sampler, size selective inlet
UV	Ultraviolet absorption
XG	X-ray fluorescence
BAM	Beta Attenuation Monitor
TEOM	Tapered Element Oscillating Microbalance Monitor

Section 5. Federal Monitoring Requirements

Federal regulations specify the minimum number of sites at which state and local air agencies must deploy monitors. In California, State and local agencies find they need to deploy significantly more monitors. The additional monitors are needed to fulfill State and local purposes for monitoring that are in addition to the federal purposes. For example, because State air quality standards tend to be more stringent than national standards, some areas may need more monitors than those needed to show compliance with the national standards. Further, the public expects to be informed of the actual air quality conditions where they live and work. While this objective is not explicitly built into the federal regulatory requirements, State and local air agencies in California attempt to be responsive to public expectations.

Federal ozone, PM₁₀, and PM_{2.5} Monitoring Requirements

Requirements for the minimum numbers of monitors appear in Appendix D of Title 40, Part 58 of the CFR. For purposes of the minimum requirements, the areas are defined by the MSAs developed by the OMB (more information on MSAs appears on page 7). For ozone, PM_{2.5}, continuous PM_{2.5} and PM₁₀, the required minimum number is based on the population of an area and the severity of the air quality for the pollutant in the area. For the parts of the State included in this report, Table 5 summarizes the number of existing O₃, PM_{2.5}, continuous PM_{2.5} and PM₁₀ monitors and the number required by federal regulations.

More detailed information on the ozone, PM_{2.5}, continuous PM_{2.5} and PM₁₀ monitoring requirements and compliance with federal requirements can be found in Appendix B of this report. The tables in Appendix B list the MSAs, population of the MSAs and design values. The number of required monitors is based on the population of the MSA, taken from the 2010 U.S. Census, in combination with the degree to which air quality in the MSA is greater or less than the national air quality standards. In all cases, sufficient monitoring exists and no additional monitoring is required.

Table 5
Numbers of Required and Existing Sites by Metropolitan Statistical Area (MSA)
(MSAs that include the small air districts included in this report)

Metropolitan Statistical Area (MSA)	Pop. (2010)	Ozone		PM2.5				PM10 (SSI) ³	
		Required	Existing	Required FRM ¹	Existing FRM	Required Cont. ²	Existing Cont.	Required	Existing
Bakersfield-Delano*	839,361	2	7	2	4	1	3	2-4	6
Chico	220,000	1	2	1	1	1	3	0	1
Los Angeles-Long Beach-Santa Ana*	12,828,837	4	18	3	13	2	5	2-4	10
Redding	177,223	1	4	0	1	0	0	0	3
Riverside-San Bernardino-Ontario*	4,224,851	3	20	3	10	2	9	6-10	23
Sacramento-Arden Arcade-Roseville*	2,149,127	2	15	3	5	2	6	2-4	10
Santa Rosa-Petaluma*	483,878	1	2	0	0	0	1	0-1	3
Vallejo-Fairfield*	413,344	2	3	0	0 [^]	0	1	0-1	1
Yuba City	166,892	1	2	0	1	0	1	0	1

Notes:

2009-2011 air quality data was used in determining the number of required sites.

Population is based on year 2010 Census data.

* Parts of these MSAs are included in the geographical scope of this report, and parts are within the geographical scope of the reports being completed by the districts. The numbers of sites listed are for the entire MSA.

¹ FRM: Federal Reference Method

² Cont.: Refers to a continuous PM2.5 monitor, i.e., one that measures hourly data.

³ SSI: Size Selective Inlet. The SSI is an FRM for PM10.

[^] The PM2.5 FRM monitor at Vallejo was discontinued in March 2011 and was replaced with a continuous PM2.5 FEM.

Federal Near-Road CO, NO₂, and SO₂ Monitoring Requirements

There are new federal requirements for NO₂ near roadway monitors that are applicable in California. However, none of the districts covered in this report are required to deploy near roadway monitors. Near roadway monitors required for the Sacramento-Arden-Arcade-Roseville MSA are being addressed by the Sacramento Metropolitan District. Near roadway monitors required for the Riverside-San Bernardino-Ontario and Los Angeles-Long Beach-Santa Ana MSAs are being addressed by the South Coast District. Near roadway monitors required for the San Diego-Carlsbad-San Marcos MSA are being addressed by the San Diego County District. Near roadway monitors required for the Oxnard-Thousand Oaks-Ventura MSA are being addressed by the Ventura County District. Near roadway monitors required for the San Francisco-Oakland-Fremont and San Jose-Sunnyvale-Santa Clara MSAs are being addressed by the Bay Area District and near roadway monitors required in the Bakersfield, Fresno, Modesto, and Stockton MSAs are being addressed by the San Joaquin Valley District. All six of these districts are preparing separate network plans and/or separate documents related to the implementation of the NO₂ near roadway requirements.

Monitoring for carbon monoxide (CO) is only required at a select number of NO₂ near-road monitoring sites, beginning in the year 2015 (and continuing through 2017) and will be addressed in future network plans by the implementing agencies. Regardless of the future implementation of the near-roadway CO and NO₂ requirements, California has and continues to monitor for CO and NO₂.

On June 2, 2010, the U.S. EPA published the final rule for the revised federal SO₂ standard which specifies the minimum number of sites at which state and local air agencies must deploy SO₂ monitors. The monitoring regulations require SO₂ monitors be placed in Core Based Statistical Areas (CBSAs) based on a population weighted emissions index (PWEI) for the area. The PWEI of a CBSA is calculated by multiplying the latest available SO₂ emission data within each CBSA by the population of the CBSA and then divided by one million. The final rule requires:

- Three SO₂ monitors in CBSAs with PWEI values of one million or more;
- Two SO₂ monitors in CBSAs with PWEI values less than one million but greater than 100,000; and
- One SO₂ monitor in CBSAs with PWEI values greater than 5,000 but less than 100,000.

California has thirty-five CBSAs with population ranging from 17,000 to more than 12 million people. Table 6 lists the CBSAs in California that require SO₂

monitoring. In addition, Table 6 shows that these CBSAs exceed federal monitoring requirements for SO₂. California's monitoring network currently consists of 39 SO₂ monitors, in excess of the 4 required monitors.

Table 6
Minimum Monitoring Requirements for SO₂

CBSA	County(ies)	Population (2010)	SO ₂ emission per CBSA (tpy)	PWEI (Million persons-tpy)	# of Required Monitors	# of Active Monitors	# of Additional Monitors Needed
Los Angeles-Long Beach-Santa Ana	Los Angeles and Orange	12,828,837	13,498	173,785	2	5	0
Riverside-San Bernardino-Ontario	Riverside and San Bernardino	4,224,851	2,478	10,266	1	4	0
San Francisco-Oakland-Fremont	Alameda, Contra Costa, San Francisco, San Mateo, and Marin	4,317,853	12,669	54,702	1	9	0

Federal Lead Monitoring Requirements

On December 14, 2010, the U.S. EPA finalized the rule for the revised federal lead (Pb) standard, which also specifies the monitoring requirements for Pb. While the final rule maintains the airport monitoring threshold at 1.0 ton per year (tpy), the rule lowers the industrial source-oriented monitoring threshold from 1.0 tpy to 0.5 tpy. In addition, the final rule replaces the population-based monitoring requirement with a requirement to monitor for Pb at urban NCore sites.

The U.S. EPA selected 15 airports for a one-year study as part of the new Pb rule. Five airports are in California: Palo Alto Airport, McClellan-Palomar Airport, Reid-Hillview Airport, Gillespie Field Airport, and San Carlos Airport. None of these airports are in the geographical scope of this report. In regards to source-oriented monitoring for Pb, the only stationary source in California meeting the 0.5 tpy threshold is located in the South Coast Air Basin. The South Coast annual network plan provides a description of their source-oriented lead monitors. The areas covered in this network plan will not be required to conduct source-oriented lead monitoring.

Lastly, the final rule requires Pb monitoring at urban NCore sites. Urban NCore is defined as those sites in a Core-Based Statistical Area (CBSA) of 500,000 or more. Currently, there are six NCore sites in California, and they are located in Sacramento, San Jose, Fresno, Los Angeles, Riverside, and El Cajon. None of the NCore sites are located in areas covered by this network plan.

Section 6. Federal Air Quality Assurance

The information below, along with the information available via the web link, describes the status of compliance with the requirements of 40 CFR 58, Appendices A, C, and E. The annual network plan is required to include such information.

Annually, the Quality Assurance Section (QAS) of ARB conducts performance evaluations (audits) for each SO₂, NO₂, O₃, and CO analyzer with National Institute of Standards and Technology (NIST) traceable gases. Each analyzer is audited at three levels using known concentrations of gases. Annual PM monitor flow rate audits are conducted with a BGI (Bob Gussman Incorporated) variable orifice mass flow meter, or TetraCal, which is certified against NIST traceable primary standards. Semi-annual flow rate audits for PM monitors are required. Currently, QAS conducts one annual PM flow rate audit and a U.S. EPA Region 9 contractor conducts the second PM flow rate audit to fulfill CFR requirements. Beginning in 2012, QAS will conduct both flow rate audits for the PM monitors.

Laboratory audits for the toxics program are conducted using certified gases and/or materials. Meteorological audits are conducted with instruments that are NIST traceable and/or manufacturer-certified. All of the audits performed by QAS are conducted in accordance with the 40 CFR 58, Appendix A.

As part of the annual audit at each air monitoring station, QAS conducts siting evaluations. Physical measurements and observations, including probe/sensor height above ground level, distance from trees, type of ground cover, residence time, obstructions to air flow, and distance to local sources, topography, vehicle counts, predominant wind direction, probe material, etc., are taken to determine compliance with 40 CFR Part 58, Appendix E requirements.

QAS also ensures the quality of the data collected by the air monitoring sites operating in California through analysis of precision data submitted to the U.S. EPA's ambient air quality database, the Air Quality System (AQS). Precision checks for gaseous/continuous samplers are performed once every two weeks. Precision checks for non-continuous, collocated particulate samplers are done at least every twelfth day. QAS staff analyzes the precision data in accordance with 40 CFR 58, Appendix A.

In addition, air monitoring staff performs a one-point flow rate verification check once every month on high-volume PM₁₀ and PM_{2.5} monitors and twice a month on PM₁₀ BAM and PM_{2.5} BAM automated analyzers. Air monitoring staff reviews these data and takes corrective action when the results exceed U.S. EPA's requirements. Currently, the percent difference between the flow rate of the transfer standard and corresponding flow rate measured by the analyzer are

not used to assess the bias of the monitoring data in accordance with 40 CFR Part 58, Appendix A, 3.2.3. Staff is in the process of incorporating these data to measure bias and meet Appendix A requirements.

QAS also conducts system audits to determine if a district's air monitoring program satisfies the requirements of 40 CFR Part 58 and U.S. EPA's Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, December 2008. Compliance with these regulations is necessary if the data are to be considered data-for-record per the California Code of Regulations (Title 17, Article 3, section 70301). Data meeting these requirements are eligible to be used in actions taken pursuant to the federal Clean Air Act and the California Clean Air Act.

Information about each air monitoring station audited by QAS is available at: <http://www.arb.ca.gov/qaweb/site.php>. This web page includes maps of each site, latitude and longitude coordinates as determined by GPS, site photos, precision and accuracy data, and a detailed site survey of the physical parameters and conditions at each site. This web page also includes an area for district precision and accuracy reports. Also, as required by Appendix A of 40 CFR 58, quarterly measurement checks are directly submitted to AQS by QAS staff. In addition, as required by 40 CFR 58.15, the ARB submits a data certification letter along with the required AQS reports (AMP255 and AMP450) to U.S. EPA, annually.

The most recent (i.e., 2010 or 2011) surveys conducted of the sites covered in the geographical scope of this report can be found in Appendix B of this report. In addition, detailed monitor information, such as distances between collocated monitors, height above ground, and height above platform can also be found in this Appendix as well. For example, if collocation monitoring was conducted at the site, then the distance between collocated monitors would be recorded in the "Sampler Spacing" row of the survey. All measurements listed on the surveys are measured in feet. Additional monitor information, such as the begin date of the monitors covered in this report can be found in Appendix C. Note that Appendix B and C of this report only include sites and monitors that are covered in this report. A more comprehensive listing of sites and monitors in California can be found at: <http://www.arb.ca.gov/qaweb/site.php>.

6.1 Collocation Requirements

Appendix A of 40 CFR 58 also includes requirements for collocation of samplers as part of quality checks for the PM_{2.5}, continuous PM_{2.5}, PM₁₀, and lead (Pb) monitoring networks. The CFR contains separate collocation requirements for these monitors. The requirements are to be met for each primary quality assurance organization (PQAO). Four PQAOs exist in California, one each for the San Francisco Bay Area AQMD, San Diego County APCD, and South Coast AQMD, and one for the remainder of the State that is called the ARB PQAO.

PM_{2.5} Collocation Status

For PM_{2.5}, the CFR requires that for each PM_{2.5} federal reference method (FRM), 15% of the sites within a PQAQO have a collocated monitor of the same type. Four types of PM_{2.5} FRMs exist currently in the ARB PQAQO. Collocation requirements apply to each method type. The types of PM_{2.5} samplers are: R&P Non-sequential (117), R&P Sequential (118), Graseby Andersons (120), and Thermo Scientific (145). While Table 7 shows that the ARB PQAQO met the collocation requirement for methods 118 and 145, the ARB PQAQO requires additional collocation sites for methods 117 and 120. The ARB is currently coordinating with districts within the ARB PQAQO to meet this requirement.

Table 7
Collocation Requirements for PM_{2.5} FRM

Method Code	# of Primary Monitors	# of Required Collocated Monitors	# of Active Collocated Monitors
117	10	2	1
118	22	3	5
120	1	1	0
145	2	1	1

The CFR also requires that for each continuous PM_{2.5} federal equivalent method (FEM), 15% of the sites must be collocated, but that the first collocation monitor is an FRM, the second an FEM, and so on alternating FRM with FEM as additional collocation monitors are required. At the time this report was drafted, 24 sites in the ARB PQAQO operate continuous PM_{2.5} FEM monitors and included three method types. While Table 8 shows that collocation requirements for the Met-One BAM (170) and Thermo Scientific TEOM (181) are met, the Grimm (195) requires an FRM collocation monitor. The Grimm monitor was recently established in June 2011 at the Humboldt Hill (060231005) site in Humboldt County. The ARB is coordinating with the North Coast Air Quality Management District to ensure that the collocation requirement will be met.

Table 8
Collocation Requirements for continuous PM_{2.5} FEM

Method Code	# of Primary Monitors	# of Required Collocated Monitors	# of Active Collocated FRM Monitors	# of Active Collocated FEM Monitors (same method designation as primary)
170	22	3	4	1
181	1	1	1	0
195	1	1	0	0

California is a very large state in which environmental conditions (e.g., temperature, precipitation, humidity, wind speeds, and elevation) vary widely and the composition of the PM_{2.5} varies significantly. Also, a large number of operating agencies operate sites in the statewide PM_{2.5} network. ARB and local air districts designed the locations of collocated PM_{2.5} samplers to strike a balance in adequately representing all of these factors. In this way, the quality control function of the collocated monitoring is best realized. While Appendix A requires 80% of the collocated monitors to be within $\pm 20\%$ of the applicable federal air quality standard, focusing on achieving this was deemed to result in too much clustering of the collocated monitors in too few of the factors needing representation.

PM₁₀ Collocation Status

The CFR also requires that 15% of PM₁₀ sites with manual monitoring have collocated samplers. Agencies in the ARB PQAQO deploy three types of PM₁₀ FRM samplers that require appropriate collocation. Table 9 shows that two PM₁₀ sampler types (064 and 127) met collocation requirements but the Graseby Anderson Model 1200 (063) requires five additional collocation sites. For the Graseby Anderson Model 1200, the ARB will address collocation requirements over the next year or so, in conjunction with other changes in the PM₁₀ FRM network, so that the collocation requirement will be met.

Table 9
Collocation Requirements for PM₁₀ FRM

Method Code	# of Primary Monitors	# of Required Collocated Monitors	# of Active Collocated Monitors
063	56	8	3
064	3	1	1
127	2	1	1

Lead Collocation Status

On December 14, 2010, the U.S. EPA finalized the rule for the revised federal lead (Pb) standard, which also specifies the collocation requirements for Pb. The regulations specify that PQAQOs that have a combination of source and non-source Pb sites have 15% of their Pb monitoring sites collocated. The regulations also required that the Pb network be treated independently from the PM network, and that the first collocation site be at the highest Pb concentration site within the network. Moreover, the regulations specify that if a PQAQO has no source or non-source Pb monitoring, and the only Pb monitoring is conducted at NCore sites, then the collocated Pb monitor must be of the same method designation as the primary Pb monitor.

The ARB PQAO requires no source or non-source Pb monitoring. However, the ARB PQAO does have two NCore sites which are located at Fresno-1st Street and Sacramento-Del Paso Manor. The Pb rule stated that PQAOs with only non-source oriented NCore Pb sites do not have PQAO minimum collocation requirements; therefore, the ARB PQAO does not require any collocation for Pb.

Section 7. Operating schedules

The CFR requires that the annual network plan include information about operating schedules. While gaseous monitors (e.g., O₃, CO, NO₂, SO₂) and particulate monitoring with FEMs usually operate continuously throughout the year, particulate monitoring with FRMs often operate one day out of every three days or one day out of every six days. The primary reason why particulate FRMs operate less frequently is that the particulate FRMs are filter-based and therefore much more labor intensive, requiring that field staff frequently retrieve and replace filters and that laboratory staff pre- and post-weigh filters. The continuous gaseous and particulate monitors produce hourly measurements of the gaseous and particulate pollutants, while the particulate filter-based monitors produce 24-hour measurements of particulate pollutants.

Particulate matter operating schedules

Current operating schedules for PM_{2.5} FRM monitors in the areas included in this report are listed in Table 10 below. The current operating schedules of the PM_{2.5} FRM monitors listed in Table 10 were obtained from the U.S. EPA's AQS database.

While there are a number of continuous PM_{2.5} monitors deployed, most of these are not federal equivalent methods (FEM). In March of 2008, the U.S. EPA approved the first continuous PM_{2.5} FEM. Then on June 2009 and March 2011, the U.S. EPA approved two more continuous PM_{2.5} FEMs. In the ARB's PQAO, there are 24 continuous PM_{2.5} FEM sites; however, in the areas covered by this report, there are only five continuous PM_{2.5} FEM sites that are currently reporting data into the AQS database at this time. The five sites are Mojave, San Andreas, Ukiah, Willits, and Red Bluff.

Operating schedules for the manual PM₁₀ samplers in the areas included in this report operate on a one day in every six day schedule. There are six continuous PM₁₀ monitors operating in the area that this report covers, which are reporting data into AQS. These monitors are located at the South Lake Tahoe, Fort Bragg, Mojave, Lancaster, Trona, and Victorville sites. The Northern Sonoma County APCD is transitioning to continuous PM₁₀ monitoring within its network; however, no data are being reported to AQS at this time. Moreover, the continuous PM₁₀ monitor at the Techachapi-Curry site in Kern County is not reporting data to AQS at this time as well.

Table 10
Current PM2.5 Operating Schedules
(Monitors for the small air districts included in this report)

Site Name	AQS Site #	Current	Laboratory
LAKE COUNTY AIR BASIN			
Lake County			
Lakeport-Lakeport Blvd	060333001	1 in 6 day	LAKE COUNTY
MOJAVE DESERT AIR BASIN			
Kern County			
Mojave-923 Poole Street	060290011	1 in 6 day	SAN DIEGO COUNTY
Ridgecrest-100 West California	060290015	1 in 6 day	SAN DIEGO COUNTY
Los Angeles County			
Lancaster-43301 Division St	060379033	1 in 6 day	MOJAVE DESERT
San Bernardino County			
Victorville-14036 Park Ave	060710306	1 in 6 day	MOJAVE DESERT
MOUNTAIN COUNTIES AIR BASIN			
Nevada County			
Grass Valley-Litton Building	060570005	1 in 6 day	ARB
Truckee-Fire Station	060571001	1 in 3 day	ARB
Plumas County			
Portola-222 1st Avenue	060631007	1 in 3 day	ARB
Quincy-N Church Street	060631006	1 in 3 day	ARB
NORTHEAST PLATEAU AIR BASIN			
Siskiyou County			
Yreka-Foothill Drive	060932001	1 in 6 day	ARB
SACRAMENTO VALLEY AIR BASIN			
Butte County			
Chico-Manzanita Avenue	060070002	1 in 6 day	ARB
Colusa County			
Colusa-Sunrise Blvd	060111002	1 in 6 day	ARB
Placer County			
Roseville-N Sunrise Blvd	060610006	1 in 6 day	ARB
Shasta County			
Redding-Health Department Roof	060890004	1 in 6 day	ARB
Sutter County			
Yuba City-Almond Street	061010003	Everyday	ARB
Yolo County			
Woodland-Gibson Road	061131003	1 in 6 day	ARB

Ozone operating schedules

While most O₃ monitors operate continuously all year, a small number of O₃ sites in the areas included in this volume operate only in the warmer six months of the year. Several of these sites are at higher elevation where access during the winter can be problematic. Also, for most of the State, O₃ is a summertime problem and concentrations during the winter are well below the levels of the ambient air quality standards. The following seasonal O₃ sites in the areas included in this report all operate from May through October:

Cool	(El Dorado County)
Echo Summit	(El Dorado County)
Jerseydale	(Mariposa County)
Sutter Buttes	(Sutter County)
Tuscan Butte	(Tehama County)

Section 8. Additional information on PM_{2.5} monitors

This section includes information for two required annual network plan elements that relate specifically to PM_{2.5} and do not fit well elsewhere in the report. One required element relates to whether data for a PM_{2.5} monitor can be used to determine compliance with the national annual PM_{2.5} air quality standard. In the CFR, this is termed as the suitability for comparison to the annual standard. The other element requires including in the annual network plan information regarding the review process followed by air agencies when changes are made to the location of a PM_{2.5} monitor that is violating a PM_{2.5} standard.

8.1 Suitability for comparison to the annual PM_{2.5} standard

The CFR requires that a PM_{2.5} FRM or FEM monitor be located at a neighborhood scale in order for the data from the monitor to be used in regulatory determinations of compliance with the annual PM_{2.5} standard. For a PM_{2.5} monitor to be representative at a neighborhood scale, the concentration values measured by the monitor should be representative of concentrations expected over an area with dimensions of a few kilometers. All of the PM_{2.5} FRM monitors in California are sited to be representative of a neighborhood scale and meet this suitability requirement.

8.2 Review of changes to PM_{2.5} network

The PM_{2.5} network of FRM monitors in California was largely established in 1999 and completed in 2000. Little has changed in the siting of the FRM monitoring network between then and now. However, between 2008 and 2011, the U.S. EPA approved three types of PM_{2.5} FEMs. A number of agencies around the State are now in various stages of purchasing and test-deploying these FEMs. At the time this report was drafted, four agencies (ARB, Eastern Kern, Mendocino County, and Tehama County) in the areas covered by this report have submitted data from these monitors to the AQS database. While there is interagency review of proposed changes to the State and Local Air Monitoring Stations (SLAMS) network, i.e., the network that includes PM_{2.5} as well as O₃, CO, PM₁₀, and other pollutants, no unique review process exists specially for PM_{2.5} FRM or FEM monitors.

As part of ARB's ongoing oversight process, ARB requests the opportunity to review and comment on the possible regulatory consequences of any proposal to move or discontinue a monitor for any pollutant that violates a national or State air quality standard. Furthermore, when a local agency proposes to move or discontinue a monitor indicating the highest concentrations of a pollutant in an area, ARB requests that the agency conduct a period of concurrent or parallel monitoring at that site and at the replacement site being proposed to represent the area as the required high site for the pollutant. This is expected even when the site is close to but not exceeding any standard for the pollutant. The parallel

monitoring is typically for a period of many months or a year, depending on the pollutant, the standard that is of most concern, and other factors.

The CFR requires that the U.S. EPA review and approve modifications to the SLAMS monitoring network, and requires that the responsible state or local agency inform the U.S. EPA of any proposed modifications. These requirements are in 40 CFR 58.14(b).

Section 9. Proposed and recently implemented monitoring site changes

This section lists the proposed and recently implemented monitoring site changes in the areas included in this report, as well as changes to the monitoring sites that the ARB conducts in areas outside the stated geographical scope of this report. Proposed monitoring site changes include proposals by the ARB or by districts that are covered in this report to add, remove, or move sites and/or monitors in the monitoring network before the end of 2013. Recently implemented monitoring site changes include deployed sites and monitors in the monitoring network that the ARB has become aware of since last year's report and for which no official 2011 data were reported. The scope of recently implemented monitoring site changes also includes terminated sites and/or monitors that the ARB has become aware of since last year's report.

The ARB established a monitoring site in Emerald Bay on Santa Catalina Island in June 2011. Parameters measured at this site include: ozone, total carbon monoxide, total sulfur dioxide, sulfate, oxides of nitrogen, total NO_y, black carbon, wind direction, wind speed, relative humidity, outdoor temperature, and indoor temperature. The ARB anticipates operating this site for one year. In addition, the ARB also plans to establish another monitoring site at the airport on Santa Catalina Island. The start date of the airport site is unknown at this time. Due to siting issues, the ARB established a new site in Chico in April 2012 and plans to discontinue the existing Chico site on Manzanita Avenue (060070002) in July 2012. In addition, the ARB started greenhouse gas (GHG) monitoring at the Tuscan Butte (061030004) site in May 2012. The ARB plans to submit the methane and CO₂ data from the Tuscan Butte site into AQS later this year. Moreover, the ARB plans to relocate the Placerville (060170010) site to a new location later this year because the property is being transferred to a new owner, who has asked ARB to vacate the site by October of this year. Lastly, the ARB terminated the Fresno-1st Street site (060190008) in January 2012 and established a new site in Fresno called Fresno-Garland (060190011). The Fresno-Garland site replaces the Fresno-1st Street site and is the new National Core (NCore) multi-pollutant site for the Fresno MSA. Additional information regarding the relocation of the NCore site in Fresno can be found in Appendix C of this report.

The Eastern Kern APCD established ozone and continuous PM₁₀ monitoring at the Techachapi-Curry (060299903) site in Kern County. However, the data from these monitors are currently not being reported to AQS at the time this report was drafted. Moreover, the district discontinued the PM₁₀ FRM monitor at the Mojave-Poole Street (060290011) site in July 2011. In addition, the district plans to discontinue the PM_{2.5} FRM monitor at the Mojave-Poole Street site in June 2012. The reason for discontinuing the PM FRM monitors at the Mojave-Poole Street site is due to the recent establishment of the continuous PM FEM monitors at the site by the ARB. Lastly, the district would like to discontinue the PM₁₀ FRM monitor at the Canebrake (060290017) site if ARB and EPA approves the termination request based on clean data findings.

The Mendocino County AQMD relocated the Fort Bragg (060450010) site from Franklin Street to Dana Street in August 2011. Moreover, the district added an API ozone monitor to the Ukiah (060450008) site and plans to discontinue the existing ozone monitor (i.e., 400e) at this site after a period of parallel monitoring.

The Northern Sierra AQMD discontinued ozone monitoring at the Truckee (060571001) site in May 2011. Moreover, the district discontinued the NOx analyzer at the Grass Valley (060570005) site in July 2011.

The Placer County APCD began collecting continuous PM_{2.5} non-FEM data at the Lincoln (060612001) and Colfax (060610004) sites, as well as continuous PM_{2.5} FEM data at the Auburn (060610002) site, in 2012. These data will be submitted to AQS.

Section 10. Access to more information about the network

While this report includes a great deal of information about the ambient air quality monitoring network, much more information is readily available, including summaries of the pollutant data from the monitors around the State. Much of this information is available on the web. This section lists a number of additional sources of such information. Also listed is contact information for the agencies responsible for the monitoring covered in this report.

ARB's Monitoring and Laboratory Division (MLD) maintains web pages with information about all the existing monitoring sites that routinely monitor and submit air quality data in California. The pages also include detailed local maps showing the location of the sites. This information can be found at: <http://www.arb.ca.gov/aaqm/mldagsb/amn.htm>. A more general MLD web page that provides links to other aspects of ambient monitoring is located at: <http://www.arb.ca.gov/aaqm/aaqm.htm>.

Summaries of the official air quality data from sites around the State can be found at: <http://www.arb.ca.gov/adam/welcome.html>. Summaries of the most recent preliminary data can be viewed at: <http://www.arb.ca.gov/aqd/aqinfo.htm>. These last two sources of information are maintained by ARB staff of the Planning and Technical Support Division, as is the following more general web page that lists links to other aspects of the ambient air quality data program: <http://www.arb.ca.gov/aqd/aqdpag.htm>.

Agency contact for ARB

Regarding this report and questions relating to the collected ambient air quality data:

Pheng Lee, Air Pollution Specialist, plee@arb.ca.gov, (916) 445-6059

Regarding the collection of the ambient data:

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Regarding quality oversight of the monitoring program:

Merrin Wright, Manager, Quality Assurance Section, mwright@arb.ca.gov, (916) 324-6191

Agency contacts for the air districts covered in this report

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(209) 257-0112

Antelope Valley Air Quality Management District, Lancaster, CA

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Butte County Air Quality Management District, Chico, CA

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Calaveras County Air Pollution Control District, San Andreas, CA

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Colusa County Air Pollution Control District, Colusa, CA

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Eastern Kern Air Pollution Control District, Bakersfield, CA

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Siskiyou County Air Pollution Control District, Yreka, CA
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Tehama County Air Pollution Control District, Red Bluff, CA
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Tuolumne County Air Pollution Control District, Columbia, CA
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Yolo-Solano Air Quality Management District, Davis, CA
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APPENDIX A

Regulatory language of 40 CFR 58.10

§ 58.10 Annual monitoring network plan and periodic network assessment.

(a)(1) Beginning July 1, 2007, the State, or where applicable local, agency shall adopt and submit to the Regional Administrator an annual monitoring network plan which shall provide for the establishment and maintenance of an air quality surveillance system that consists of a network of SLAMS monitoring stations including FRM, FEM, and ARM monitors that are part of SLAMS, NCore stations, STN stations, State speciation stations, SPM stations, and/or, in serious, severe and extreme ozone nonattainment areas, PAMS stations, and SPM monitoring stations. The plan shall include a statement of purposes for each monitor and evidence that siting and operation of each monitor meets the requirements of appendices A, C, D, and E of this part, where applicable. The annual monitoring network plan must be made available for public inspection for at least 30 days prior to submission to EPA.

(2) Any annual monitoring network plan that proposes SLAMS network modifications including new monitoring sites is subject to the approval of the EPA Regional Administrator, who shall provide opportunity for public comment and shall approve or disapprove the plan and schedule within 120 days. If the State or local agency has already provided a public comment opportunity on its plan and has made no changes subsequent to that comment opportunity, and has submitted the received comments together with the plan, the Regional Administrator is not required to provide a separate opportunity for comment.

(3) The plan for establishing required NCore multipollutant stations shall be submitted to the Administrator not later than July 1, 2009. The plan shall provide for all required stations to be operational by January 1, 2011.

(4) A plan for establishing source-oriented Pb monitoring sites in accordance with the requirements of appendix D to this part for Pb sources emitting 1.0 tpy or greater shall be submitted to the EPA Regional Administrator no later than July 1, 2009, as part of the annual network plan required in paragraph (a)(1) of this section. The plan shall provide for the required source-oriented Pb monitoring sites for Pb sources emitting 1.0 tpy or greater to be operational by January 1, 2010. A plan for establishing source-oriented Pb monitoring sites in accordance with the requirements of appendix D to this part for Pb sources emitting equal to or greater than 0.50 tpy but less than 1.0 tpy shall be submitted to the EPA Regional Administrator no later than July 1, 2011. The plan shall provide for the required source-oriented Pb monitoring sites for Pb sources emitting equal to or

greater than 0.50 tpy but less than 1.0 tpy to be operational by December 27, 2011.

(5) A plan for establishing NO₂ monitoring sites in accordance with the requirements of appendix D to this part shall be submitted to the Administrator by July 1, 2012. The plan shall provide for all required monitoring stations to be operational by January 1, 2013.

(6) A plan for establishing SO₂ monitoring sites in accordance with the requirements of appendix D to this part shall be submitted to the EPA Regional Administrator by July 1, 2011 as part of the annual network plan required in paragraph (a) (1). The plan shall provide for all required SO₂ monitoring sites to be operational by January 1, 2013.

(7) A plan for establishing CO monitoring sites in accordance with the requirements of appendix D to this part shall be submitted to the EPA Regional Administrator. Plans for required CO monitors shall be submitted at least six months prior to the date such monitors must be established as required by section 58.13.

(b) The annual monitoring network plan must contain the following information for each existing and proposed site:

(1) The AQS site identification number.

(2) The location, including street address and geographical coordinates.

(3) The sampling and analysis method(s) for each measured parameter.

(4) The operating schedules for each monitor.

(5) Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal.

(6) The monitoring objective and spatial scale of representativeness for each monitor as defined in appendix D to this part.

(7) The identification of any sites that are suitable and sites that are not suitable for comparison against the annual PM_{2.5}NAAQS as described in §58.30.

(8) The MSA, CBSA, CSA or other area represented by the monitor.

(9) The designation of any Pb monitors as either source-oriented or non-source-oriented according to Appendix D to 40 CFR part 58.

(10) Any source-oriented monitors for which a waiver has been requested or granted by the EPA Regional Administrator as allowed for under paragraph 4.5(a)(ii) of Appendix D to 40 CFR part 58.

(11) Any source-oriented or non-source-oriented site for which a waiver has been requested or granted by the EPA Regional Administrator for the use of Pb-PM₁₀ monitoring in lieu of Pb-TSP monitoring as allowed for under paragraph 2.10 of Appendix C to 40 CFR part 58.

(12) The identification of required NO₂ monitors as either near-road or area-wide sites in accordance with appendix D, section 4.3 of this part.

(c) The annual monitoring network plan must document how States and local agencies provide for the review of changes to a PM_{2.5} monitoring network that impact the location of a violating PM_{2.5} monitor or the creation/change to a community monitoring zone, including a description of the proposed use of spatial averaging for purposes of making comparisons to the annual PM_{2.5} NAAQS as set forth in appendix N to part 50 of this chapter. The affected State or local agency must document the process for obtaining public comment and include any comments received through the public notification process within their submitted plan.

(d) The State, or where applicable local, agency shall perform and submit to the EPA Regional Administrator an assessment of the air quality surveillance system every 5 years to determine, at a minimum, if the network meets the monitoring objectives defined in appendix D to this part, whether new sites are needed, whether existing sites are no longer needed and can be terminated, and whether new technologies are appropriate for incorporation into the ambient air monitoring network. The network assessment must consider the ability of existing and proposed sites to support air quality characterization for areas with relatively high populations of susceptible individuals (e.g., children with asthma), and, for any sites that are being proposed for discontinuance, the effect on data users other than the agency itself, such as nearby States and Tribes or health effects studies. For PM_{2.5}, the assessment also must identify needed changes to population-oriented sites. The State, or where applicable local, agency must submit a copy of this 5-year assessment, along with a revised annual network plan, to the Regional Administrator. The first assessment is due July 1, 2010.

(e) All proposed additions and discontinuations of SLAMS monitors in annual monitoring network plans and periodic network assessments are subject to approval according to §58.14.

APPENDIX B

For ozone, PM₁₀, and PM_{2.5}, the required minimum number of monitors are based on the population of a metropolitan statistical area (MSA) and the severity of the air quality for the pollutant in the MSA. The tables below list the MSAs, population of the MSAs, and the design value or maximum concentration of the design or high site in each MSA. In all cases, sufficient monitoring exists and no additional monitoring is required.

Minimum Monitoring Requirements for O₃, PM₁₀, and PM_{2.5}

Ozone

Minimum Monitoring Requirements for Ozone.

MSA	County(ies)	Population (2010 Census)	2011 8-hr Design Value (ppb)	Design Value Site	# of Monitors Required	# of Active Monitors	# of Additional Monitors Needed
Bakersfield-Delano*	Kern	839,361	0.096 ppm	Edison [^]	2	7	0
Chico	Butte	220,000	0.077 ppm	Paradise-4405 Airport Road	1	2	0
Los Angeles-Long Beach-Santa Ana*	Los Angeles and Orange	12,828,837	0.097 ppm	Glendora-Laurel & Santa Clarita	4	18	0
Redding	Shasta	177,223	0.071 ppm	Shasta Lake-13791 Lake Blvd ^{^^}	1	4	0
Riverside-San Bernardino-Ontario*	Riverside and San Bernardino	4,224,851	0.107 ppm	Crestline	3	20	0
Sacramento-Arden Arcade-Roseville*	El Dorado, Placer, Sacramento, and Yolo	2,149,127	0.095 ppm	Folsom-Natoma Street	2	15	0
Santa Rosa-Petaluma*	Sonoma	483,878	0.050 ppm	Santa Rosa-5th Street	1	2	0
Vallejo-Fairfield*	Solano	413,344	0.069 ppm	Fairfield-Chadbourne Road ^{^^^}	2	3	0
Yuba City	Sutter and Yuba	166,892	0.071 ppm	Sutter Buttes-South Butte	1	2	0

* Parts of these MSAs are included in the geographical scope of this report, and parts are within the geographical scope of the reports being completed by the districts.

The numbers of active ozone monitors listed are for the entire MSA.

[^] The 2010 DV for Arvin-Bear Mountain is 0.104 ppm. The Arvin site was closed after 10/31/10; therefore, Edison became the DV site for Kern County.

^{^^} The Shasta Lake site opened on April 1, 2009.

^{^^^} The Fairfield site is a seasonal site (April -November).

PM₁₀

Minimum Monitoring Requirements for PM₁₀.

MSA	County(ies)	Population (2010 Census)	2011 Max Concentration (ug/m ³)	Max Concentration Site	# of Required Monitors	# of Active Monitors	# of Additional Monitors Needed
Bakersfield-Delano*	Kern	839,361	151.4	Bakersfield-California	2-4	6	0
Chico	Butte	220,000	58.4	Chico-Manzanita Ave	0	1	0
Los Angeles-Long Beach-Santa Ana*	Los Angeles and Orange	12,828,837	96.8	Burbank-W Palm Ave	2-4	10	0
Redding	Shasta	177,223	34.9	Redding-Health Dept	0	3	0
Riverside-San Bernardino-Ontario*	Riverside and San Bernardino	4,224,851	397	Palm Springs	6-10	23	0
Sacramento-Arden Arcade-Roseville*	El Dorado, Placer, Sacramento, and Yolo	2,149,127	73.5	Sacramento-Health Dept	2-4	10	0
Santa Rosa-Petaluma*	Sonoma	483,878	--	Healdsburg	0-1	3	0
Vallejo-Fairfield*	Solano	413,344	--	Vacaville	0-1	1	0
Yuba City	Sutter and Yuba	166,892	54.6	Yuba City-Almond	0	1	0

* Parts of these MSAs are included in the geographical scope of this report, and parts are within the geographical scope of the reports being completed by the districts. The numbers of active PM₁₀ monitors listed are for the entire MSA.

-- There was insufficient (or no) data to determine the max concentration or max site.

PM2.5¹

Minimum Monitoring Requirements for PM2.5 SLAMS.

MSA	County(ies)	Population (2010 Census)	2011 Annual Design Value (ug/m3)	Annual Design Value Site	2011 Daily Design Value (ug/m3)	Daily Design Value Site	# of Required SLAMS Monitors	# of Active SLAMS Monitors	# of Additional SLAMS Monitors
Bakersfield-Delano*	Kern	839,361	18.2	Bakersfield-410 E Planz	62	Bakersfield-410 E Planz	2	4	0
Chico	Butte	220,000	10.1	Chico-Manzanita Ave	35	Chico-Manzanita Ave	1	1	0
Los Angeles-Long Beach-Santa Ana*	Los Angeles and Orange	12,828,837	13.9	Burbank-W Palm Ave	36	Azusa	3	13	0
Redding	Shasta	177,223	5.3	Redding-Health Department	15	Redding-Health Department	0	1	0
Riverside-San Bernardino-Ontario*	Riverside and San Bernardino	4,224,851	16.2	Mira Loma Van Buren	39	Mira Loma Van Buren	3	10	0
Sacramento-Arden Arcade-Roseville*	El Dorado, Placer, Sacramento, and Yolo	2,149,127	9.2	Sacramento-T St	35	Sacramento-DPM	3	5	0
Santa Rosa-Petaluma*	Sonoma	483,878	8.1	Santa Rosa-5th St	23	Santa Rosa-5th St	0	0	0
Vallejo-Fairfield*	Solano	413,344	10.1	Vallejo-304 Tuolumne St	29	Vallejo-304 Tuolumne St	0	0 [^]	0
Yuba City	Sutter and Yuba	166,892	7.3	Yuba City-Almond	27	Yuba City-Almond	0	1	0

¹Design values are based on both FRM and FEM data.

* Parts of these MSAs are included in the geographical scope of this report, and parts are within the geographical scope of the reports being completed by the districts.

The numbers of active PM2.5 SLAMS monitors listed are for the entire MSA.

[^]The PM2.5 FRM monitor at Vallejo was discontinued in March 2011 and was replaced with a continuous PM2.5 FEM monitor.

Continuous PM2.5

Minimum Monitoring Requirements for continuous PM2.5 monitors.

MSA	County(ies)	Population (2010 Census)	Annual Design Value Site	Daily Design Value Site	# of Required Continuous Monitors [^]	# of Active Continuous Monitors ^{^^}	# of Additional Continuous Monitors Needed
Bakersfield-Delano*	Kern	839,361	Bakersfield-California	Bakersfield-California	1	3	0
Chico	Butte	220,000	Chico-Manzanita Ave	Chico-Manzanita Ave	1	3	0
Los Angeles-Long Beach-Santa Ana*	Los Angeles and Orange	12,828,837	Los Angeles-North Main	Los Angeles-North Main	2	5	0
Redding	Shasta	177,223	N/A	N/A	0	0	0
Riverside-San Bernardino-Ontario*	Riverside and San Bernardino	4,224,851	Mira Loma Van Buren	Riverside-Magnolia	2	9	0
Sacramento-Arden Arcade-Roseville*	El Dorado, Placer, Sacramento, and Yolo	2,149,127	Davis-UCD Campus	Sacramento-DPM	2	6	0
Santa Rosa-Petaluma*	Sonoma	483,878	Santa Rosa-5th St	Santa Rosa-5th St	0	1	0
Vallejo-Fairfield*	Solano	413,344	--	--	0	1	0
Yuba City	Sutter and Yuba	166,892	Yuba City-Almond	Yuba City-Almond	0	1	0

* Parts of these MSAs are included in the geographical scope of this report, and parts are within the geographical scope of the reports being completed by the districts. The numbers of active continuous PM2.5 monitors listed are for the entire MSA.

[^] The required number of continuous PM2.5 monitor is one-half (round up) the total number of PM2.5 SLAMS sites in each MSA (40 CFR 58 Appendix A Section 4.7.2).

^{^^} The number of active continuous PM2.5 monitors listed for each MSA include both FEM and non-FEM monitors.

-- There was insufficient (or no) data to determine the design site.

N/A means that there is no continuous PM2.5 monitor in the MSA.

APPENDIX C

Information regarding the Fresno NCore site relocation

In December of 2011, the Fresno-Garland site (AQS # 060190011) was established approximately 0.25 miles north of the existing Fresno-1st Street site (AQS # 060190008). There were significant personnel safety issues at the Fresno-1st Street site, and most importantly, the ARB was unable to enter into an agreeable long term lease contract with the property owner. Given the uncertainty of a short term lease, the ARB determined that relocating the Fresno-1st Street site to a new location was necessary. At the Fresno-Garland location, the ARB was able to enter into an eight year lease contract agreement with the property owner and has the option of extending the lease agreement for an additional eight years if needed.

The new site at Fresno-Garland is located in the City of Fresno at 3727 N. 1st Street and has the same topographic and land-use features, as well as the same sampling objectives and regional scales as the Fresno-1st Street site. Figure 1 shows a street map of the two locations.

NCore Background

On October 17, 2006, the U.S. Environmental Protection Agency (U.S. EPA) issued amendments to the ambient air monitoring requirements for criteria pollutants. These amendments are codified in 40 CFR Parts 53 and 58. The purpose of these amendments were to enhance ambient air quality monitoring to better serve current and future air quality needs. One of the most significant changes in the regulations was the requirement to establish a network of National Core (NCore) multi-pollutant monitoring stations. These stations provide data on several pollutants at lower detection limits and replace the National Air Monitoring Station (NAMS) network that had existed for many years. The NCore stations were required to be operational by January 1, 2011. NCore monitoring was started at the Fresno-1st Street site as planned in 2011 with the knowledge that a replacement site would be established within a relatively short period of time.

Monitoring Requirements

NCore multi-pollutant sites measure multiple pollutants in order to support integrated air quality management data needs. NCore sites include neighborhood and urban scale measurements in metropolitan areas and rural areas. Sites are long term and sited away from direct emission sources that could impact the ability to detect area-wide concentrations. The U.S. EPA selected the California Air Resources Board's (CARB) Fresno-1st Street air monitoring station as the NCore multi-pollutant site for the Fresno MSA in California.

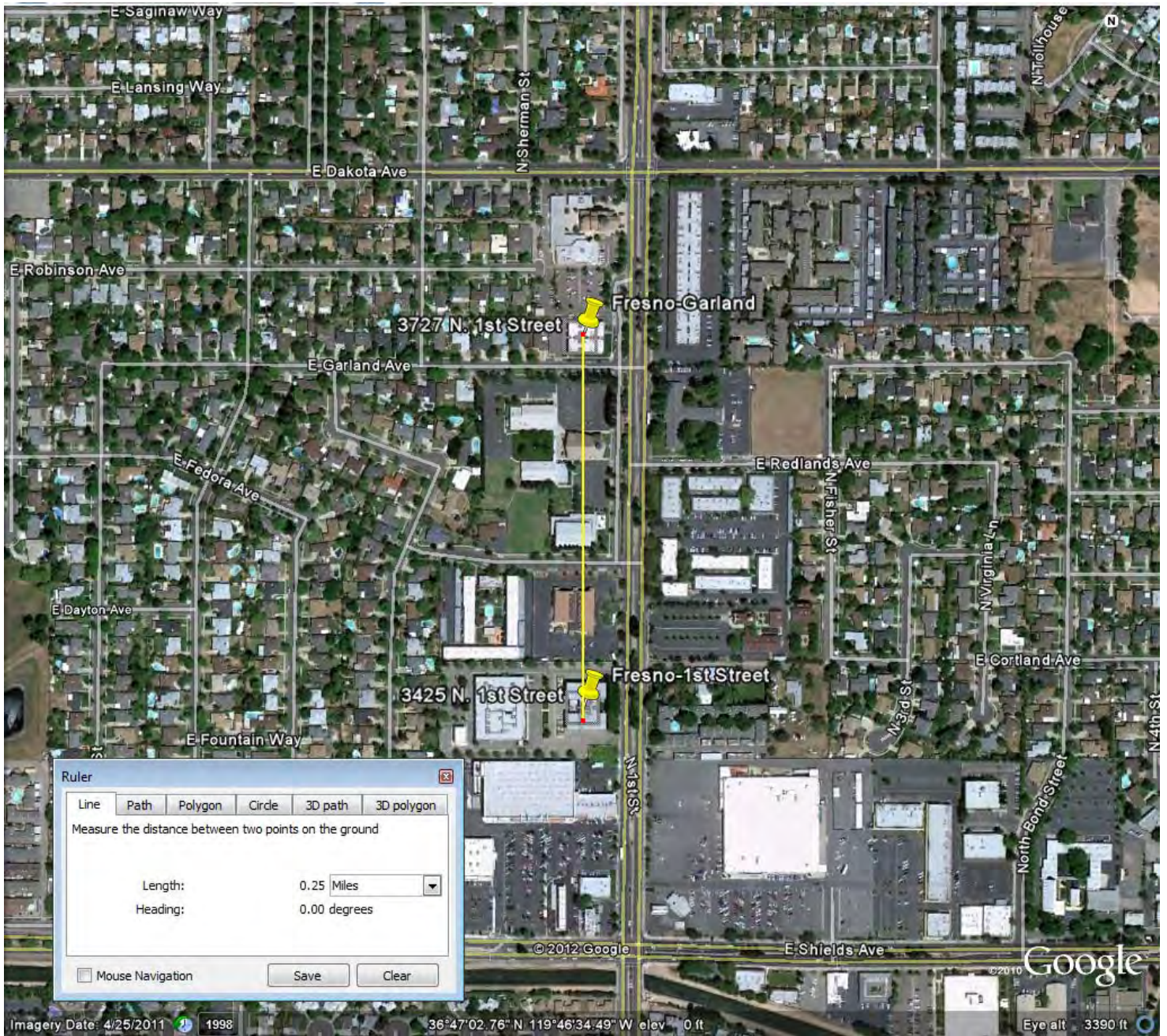
Considerations in the site selection process include but are not limited to the following:

- **Siting Criteria** – Sites selected as NCore stations are urban or rural locations. The Fresno-1st Street site was located in an urban area with monitors sited at neighborhood scales of representativeness. The Fresno-Garland location meets the same criteria.
- **Number of Stations** – Each state is required to operate at least one NCore site. States such as California with multiple MSAs are required to identify one or two additional NCore sites in order to account for their unique situation. EPA guidance states that NCore stations should be collocated, whenever possible, with other multi-pollutant stations including Photochemical Assessment Monitoring Stations (PAMS), National Air Toxics Trends Stations (NATTS), and Speciation Trends Network (STN) sites to utilize the same monitoring platform and equipment to meet the objectives of multiple air monitoring programs. The Fresno-1st Street station was also a PAMS and STN site; therefore, met the U.S EPA goal of collocation among multi-pollutant stations. Additionally, the site is part of the CARB Air Toxics Monitoring Network (CARB-ATMN). As of February 2012, all equipment from the Fresno-1st Street site has been moved to the Fresno-Garland site. The Fresno-Garland site also meets EPA collocation objectives.

Summary

The Fresno-1st Street site was terminated in January 2012 and was replaced with the new Fresno-Garland site. The relocation of the monitoring equipment from the Fresno-1st Street site to the Fresno-Garland site was completed in February 2012. The Fresno-Garland site meets both federal NCore siting and monitoring criteria and became the new NCore site for the Fresno MSA.

Figure 1: Street map of Fresno-First and Fresno-Garland sites.



APPENDIX D

Site Survey Reports

(Note: Sites are listed in the order as they appeared in Tables 3 and 4)

Sites are listed alphabetically by air basin, county, and site name

LAKE COUNTY AIR BASIN

(Lake County)

Anderson Springs

Siting Information

Site Name: Anderson Springs	Audit Date: 2010-08-25	ARB Number: 17720	AIRS Number: 060333010
Address: 11270 Anderson Springs Rd Middletown, CA 95461	Latitude: N 38° 46' 28"	Longitude: W 122° 41' 58"	Elevation (m): 476
	Auditors: Leena Janda Eric Burton	Site Technician: Larry Boardman	Site Phone:
Operating Agency: Lake County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 25 meters Count (Veh/Day): 100	Topography Site: Valley Region: Mountainous	Predominant Wind Direction: East Arc Air Flow (Deg): 360 Degrees Probe Clean: Yes		
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Natural	Non-vehicular Local Sources Description: Wood Burning Distance: 50 meters Direction: 360	QA Manual Approved: Yes Agency: Lake County AQMD	Manifold Clean: Yes Cleaning Schedule: Monthly Autocalibrator Type: Monitor Labs 8500
				Urbanization: Remote	Site Survey Complete: Yes
Ground Cover: Grass	Logbook Up To Date: Yes				

Anderson Springs Monitor Information

Monitor Type	Hydrogen Sulfide	Partisol
Manufacturer/Model	API 101E	R & P 2000
Serial Number	814	27820
POC	1	1
Data For Record?	Yes	Yes
Purpose	Industrial Data	Unknown
Objective	POPULATION EXPOSURE	Other
Scale	Middle scale	
Height Above Ground	4.7	4.8
Height Above Platform	1.8	1
Sampler Spacing	N/A	N/A
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	8/14/2010	Not Available
Cal. Gas Cert. Date	3/10/2010	Not Available
Calibration Current?	Yes	Yes
Calibration Date	6/1/2010	7/20/2010
Cal. Equipment Cert. Date	3/10/2010	4/16/2010
Obstacle Description	Trees	Trees
Distance to Obstacle	3	3
Obs. Height Above Inlet	5	5
Distance to Walls, etc.	-	-
Distance to Dripline	3	3
Dominant Influence	Industrial	Recreational Area
Residence Time (sec)	8.4	

Glenbrook

Siting Information

Site Name: Glenbrook	Audit Date: 2010-08-25	ARB Number: 17728	AIRS Number: 060333011
Address: High Valley Road Cobb, CA 95426	Latitude: N 38° 50' 55"	Longitude: W 122° 45' 28"	Elevation (m): 736
	Auditors: Leena Janda Eric Burton	Site Technician: Larry Boardman	Site Phone:
Operating Agency: Lake County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Remote Distance: 100 meters Count (Veh/Day): 500	Topography Site: Mountainous	Predominant Wind Direction: West
		Region: Mountainous	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: Lake County AQMD	Probe Clean: Yes
Non-vehicular Local Sources Description: Geothermal Distance: 12000 meters Direction: SW	Manifold Clean: Yes Cleaning Schedule: As Needed Autocalibrator Type: Monitor Labs 8500		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor		Urbanization: Remote	Site Survey Complete: Yes
		Ground Cover: Dirt	Logbook Up To Date: Yes

Glenbrook Monitor Information

Monitor Type	Hydrogen Sulfide	Partisol
Manufacturer/Model	API 101E	R & P 2000
Serial Number	815	9912
POC	1	1
Data For Record?	Yes	Yes
Purpose	Industrial Data	Unknown
Objective		POPULATION EXPOSURE
Scale	Neighborhood	
Height Above Ground	3.8	3.8
Height Above Platform	1.2	1.5
Sampler Spacing	N/A	N/A
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	8/14/2010	Not Available
Cal. Gas Cert. Date	3/11/2010	Not Available
Calibration Current?	Yes	Yes
Calibration Date	6/1/2010	6/21/2010
Cal. Equipment Cert. Date	3/11/2010	4/16/2010
Obstacle Description	Tree	Trees
Distance to Obstacle	3	3
Obs. Height Above Inlet	6	6
Distance to Walls, etc.	-	-
Distance to Dripline	3	3
Dominant Influence	Industrial	Industrial
Residence Time (sec)	8.5	

Lakeport

Siting Information

Site Name: Lakeport-Lakeport Blvd	Audit Date: 2010-08-26	ARB Number: 17713	AIRS Number: 060333001
Address: 905 Lakeport Blvd Lakeport, CA 95463	Latitude: N 39° 1' 59"	Longitude: W 122° 55' 19"	Elevation (m): 440
	Auditors: Leena Janda Eric Burton	Site Technician: Warren Massie	Site Phone:
Operating Agency: Lake County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Highway Distance: 100 meters Count (Veh/Day): 10000	Topography Site: Hilly Region: Hilly	Predominant Wind Direction: West Arc Air Flow (Deg): 360 Degrees Probe Clean: Yes
		QA Manual Approved: Yes Agency: CARB	Manifold Clean: N/A Cleaning Schedule: Quarterly
		Urbanization: Suburban Ground Cover: Grass	Autocalibrator Type: API 400 - IZS Site Survey Complete: Yes Logbook Up To Date: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 344 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A		

Lakeport Monitor Information

Monitor Type	Ozone	PM2.5	Partisol
Manufacturer/Model	API/Teledyne 400	R&P 2000	R & P 2000-H
Serial Number	20004737	27824	17774
POC	1	1	2
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Unknown
Objective	UNKNOWN	UNKNOWN	UNKNOWN
Scale			
Height Above Ground	5.8	6	6
Height Above Platform	1.7	1.2	1.2
Sampler Spacing	N/A		
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	8/24/2010	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	4/6/2010	8/10/2010	6/15/2010
Cal. Equipment Cert. Date	1/21/2010	4/16/2010	4/16/2010
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Residential
Residence Time (sec)	13.4	N/A	N/A

LAKE TAHOE AIR BASIN

(El Dorado County)

South Lake Tahoe-Sandy Way

Siting Information

Site Name: South Lake Tahoe-Sandy Way	Audit Date: 2010-09-02	ARB Number: 09691	AIRS Number: 060170011
Address: 3337 Sandy Way South Lake Tahoe, CA 96150	Latitude: N 38° 56' 42"	Longitude: W 119° 58' 13"	Elevation (m): 1905
	Auditors: Leena Janda Hien Tran	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature		Traffic		Topography	Predominant Wind Direction: North
					Arc Air Flow (Deg): 360 Degrees
					Probe Clean: N/A
Controlled: No		Description: Commercial		Site: Valley	
Recorded: No		Distance: 100 meters		Region: Mountainous	
Inside Temp: 0 Degrees Celsius		Count (Veh/Day): 17500		QA Manual	Manifold Clean: N/A
Meteorology		Non-vehicular Local Sources		Approved: Yes	Cleaning Schedule: N/A
				Agency: ARB	Autocalibrator Type: N/A
				Urbanization: City Center	Site Survey Complete: Yes
				Ground Cover: Roof	Logbook Up To Date: Yes
Located With Instruments: Yes		Description: None			
Shadowing: No		Distance: N/A			
Boom Orientation (Deg): N/A		Direction: N/A			
Temp(Motor/Natural): Natural					

South Lake Tahoe Monitor Information

Monitor Type	BAM
Manufacturer/Model	BAM 1020
Serial Number	20005417
POC	4
Data For Record?	Yes
Purpose	Unknown
Objective	POPULATION EXPOSURE
Scale	
Height Above Ground	5
Height Above Platform	2
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	6/3/2010
Cal. Equipment Cert. Date	4/30/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

MOJAVE DESERT AIR BASIN

Note: There was no survey report available for the Tehachapi-Curry site at the time this report was drafted.

(Kern County)

Canebrake

Siting Information

Site Name: Canebrake	Audit Date: 2011-03-16	ARB Number: 15310	AIRS Number: 060290017
Address: 3147 Highway 178 Canebrake, CA 93255	Latitude: N 35° 43' 40"	Longitude: W 118° 08' 22"	Elevation (m): 914m
	Auditors: Laura Niles Alvin Danque	Site Technician: John Hayes	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature		Traffic		Topography		Predominant Wind Direction: West			
						Controlled: No	Description: Arterial	Site: Valley	Arc Air Flow (Deg): 360 Degrees
						Recorded: No	Distance: 100 meters	Region: Hilly	Probe Clean: N/A
Inside Temp: 0 Degrees Celsius	Count (Veh/Day): 75	QA Manual				Manifold Clean: N/A			
Meteorology	Non-vehicular Local Sources					Approved: Yes	Cleaning Schedule: N/A		
						Located With Instruments: No	Description: N/A	Agency: East Kern APCD	Autocalibrator Type: N/A
						Shadowing: No	Distance: 0 meters	Urbanization: Remote	Site Survey Complete: Yes
Boom Orientation (Deg): N/A	Direction:	Ground Cover: Sand				Logbook Up To Date: Yes			
Temp(Motor/Natural):									

Canebrake Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Tisch 1200
Serial Number	20071263
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	
Height Above Ground	1.5
Height Above Platform	
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	6/25/2009
Cal. Equipment Cert. Date	8/10/2008
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

Mojave-Poole Street

Siting Information

Site Name: Mojave	Audit Date: 2010-03-16	ARB Number: 15252	AIRS Number: 060290011
Address: 923 Poole St Mojave, CA 93501	Latitude: N 35° 3' 1"	Longitude: W 118° 8' 52"	Elevation (m): 845
	Auditors: Leena Janda Alvin Danque	Site Technician: Art Marsh	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: County Distance: 10 meters Count (Veh/Day): 100	Topography Site: Level Region: Valley	Predominant Wind Direction: West		
			Arc Air Flow (Deg): 360 Degrees		
		Meteorology Located With Instruments: Yes Shadowing: Yes Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: Airport Distance: 100 meters Direction: N/E	QA Manual Approved: Yes Agency: California Air Resources Board	Probe Clean: No
				Urbanization: Rural	Manifold Clean: Yes
Ground Cover: Asphalt	Cleaning Schedule: Annually				
			Autocalibrator Type: API400A		
			Site Survey Complete: Yes		
			Logbook Up To Date: Yes		

Mojave-Poole Street Monitor Information

Monitor Type	Ozone	PM10-SSI	PM2.5
Manufacturer/Model	API/Teledyne 400	Sierra Anderson 1200	R&P 2025
Serial Number	20020753	7698	20020963
POC	1	1	1
Data For Record?	Yes	Yes	Yes
Purpose	Other	Other	SLAMS
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	4.2	2.5	4.5
Height Above Platform	1.8	2	2
Sampler Spacing	N/A		
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	3/10/2010	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	11/2/2009	3/1/2010	3/1/2010
Cal. Equipment Cert. Date	10/13/2009	2/21/2009	2/18/2009
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	3.5	N/A	N/A

Ridgecrest-California Avenue

Siting Information

Site Name: Ridgecrest - California Av	Audit Date: 2011-03-16	ARB Number: 15300	AIRS Number: 060290015
Address: 178 W California Av Ridgecrest, CA 93555	Latitude: N 35° 37' 16"	Longitude: W 117° 40' 23"	Elevation (m): 701
	Auditors: Alvin Danque Laura Niles	Site Technician: John Hayes	Site Phone:
Operating Agency: Eastern Kern APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Commercial Distance: 3 meters Count (Veh/Day): 50	Topography Site: Level Region: Level	Predominant Wind Direction: South
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/S Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: Kern County APCD	Cleaning Schedule: N/A		
Urbanization: City Center	Autocalibrator Type: N/A		
Ground Cover: Grass	Site Survey Complete: Yes		
			Logbook Up To Date: Yes

Ridgecrest-California Avenue Monitor Information

Monitor Type	PM10-SSI	PM2.5
Manufacturer/Model	SA 1200	R&P 2025
Serial Number	7673	20020962
POC	1	1
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	UNKNOWN	POPULATION EXPOSURE
Scale		Neighborhood
Height Above Ground	2.5	3
Height Above Platform	1.5	2
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	3/3/2011	3/3/2011
Cal. Equipment Cert. Date	3/24/2010	3/10/2010
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A

(Los Angeles County)

Lancaster-43301 Division Street

Siting Information

Site Name: Lancaster-Division Street	Audit Date: 2012-02-15	ARB Number: 70301	AIRS Number: 060379033
Address: 43301 Division St Lancaster, CA 93535	Latitude: N 34.66959	Longitude: W -118.13068	Elevation (m): 750
	Auditors: Leena Janda LaMar Mitchell	Site Technician: Alexi Astakhov	Site Phone:
Operating Agency: Antelope Valley APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Traffic	Topography	Predominant Wind Direction: West
Controlled: Yes	Description: Commercial	Site: level	Arc Air Flow (Deg): 360 Degrees
Recorded: Yes	Distance: 25 meters	Region: valley	Probe Clean: Yes
Inside Temp: 24 Degrees Celsius	Count (Veh/Day): 30000	QA Manual	Manifold Clean: Yes
Meteorology	Non-vehicular Local Sources		Approved: Yes
		Agency: Antelope Valley AQMD	Autocalibrator Type: Envirionics 6103
		Urbanization: Suburban	Site Survey Complete: Yes
		Ground Cover: Roof	Logbook Up To Date: Yes
Located With Instruments: Yes	Description: None		
Shadowing: No	Distance: N/A		
Boom Orientation (Deg): 348	Direction: N/A		
Temp(Motor/Natural): Motor			

Lancaster-43301 Division Street Monitor Information

Monitor Type	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10-SSI
Manufacturer/Model	API 300	API 200A	API/Teledyne 400	SA 1200
Serial Number	1663	1498	564	1523
POC	1	1	1	2
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Other	SLAMS
Objective	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Scale	Middle scale	Middle scale	Middle scale	
Height Above Ground	6.4	6.4	7.2	6.5
Height Above Platform	2.1	2.1	2.2	1.5
Sampler Spacing	N/A	N/A	N/A	N/A
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2012-02-13	2012-02-13	2012-02-13	Not Available
Cal. Gas Cert. Date	2010-08-30	2010-08-30	N/A	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2012-01-09	2012-01-09	2011-12-15	2012-01-09
Cal. Equipment Cert. Date	2011-11-02	2011-11-02	2011-10-26	2011-10-27
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Commercial
Residence Time (sec)	14.0	15.2	14.4	

Monitor Type	TEOM	PM2.5
Manufacturer/Model	R&P 1400A	R&P 2000
Serial Number	20007424	102574
POC	2	1
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	UNKNOWN	POPULATION EXPOSURE
Scale		Neighborhood
Height Above Ground	7.0	7.0
Height Above Platform	2.0	2.0
Sampler Spacing	N/A	1.5
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	N/A
Cal. Gas Cert. Date	Not Available	N/A
Calibration Current?	Yes	Yes
Calibration Date	2012-01-09	2012-01-09
Cal. Equipment Cert. Date	2011-10-27	2011-10-27
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)		N/A

(Riverside County)

Blythe-445 W Murphy Street

Siting Information

Site Name: Blythe-Murphy Street	Audit Date: 2012-02-07	ARB Number: 33201	AIRS Number: 060659003
Address: 445 W Murphy St Blythe, CA 92225	Latitude: N 33.61235	Longitude: W -114.60209	Elevation (m): 84
	Auditors: Harnek Nijjar LaMar Mitchell	Site Technician: Tony Royer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Traffic	Topography	Predominant Wind Direction: South
Controlled: Yes	Description: Residential	Site: level	Arc Air Flow (Deg): 360 Degrees
Recorded: Yes	Distance: 100 meters	Region: level	Probe Clean: No
Inside Temp: 24.5 Degrees Celsius	Count (Veh/Day): 10	QA Manual	Manifold Clean: Yes
Meteorology	Non-vehicular Local Sources		Approved: Yes
		Agency: CARB	Autocalibrator Type: API 400 IZS
		Urbanization: Suburban	Site Survey Complete: Yes
		Ground Cover: Asphalt	Logbook Up To Date: Yes
Located With Instruments: Yes	Description: None		
Shadowing: No	Distance: N/A		
Boom Orientation (Deg): 345	Direction: N/A		
Temp(Motor/Natural): Motor			

Blythe-445 W Murphy Street Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060138
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	Other
Scale	
Height Above Ground	5.7
Height Above Platform	2.2
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	2012-02-07
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	2011-07-07
Cal. Equipment Cert. Date	2011-03-24
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	9.4

(San Bernardino County)

Barstow-200 E Buena Vista Road

Siting Information

Site Name: Barstow	Audit Date: 2012-02-09	ARB Number: 36155	AIRS Number: 060710001
Address: 1301 W. Mountain View St. Barstow, CA 92311	Latitude: N 34.89405	Longitude: W -117.02471	Elevation (m): 697
	Auditors: Harnek Nijjar LaMar Mitchell	Site Technician: Alexi Astakhov	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25.3 Degrees Celsius	Traffic Description: City Distance: 21 meters Count (Veh/Day): 20000	Topography Site: Level Region: Valley	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 347 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: Yes		
Agency: Mojave Desert AQMD	Cleaning Schedule: Semi Annually		
Urbanization: City Center	Autocalibrator Type: Environics 9100		
		Ground Cover: Asphalt	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Barstow-200 E Buena Vista Road Monitor Information

Monitor Type	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10-SSI
Manufacturer/Model	API 300	API 200E	API/Teledyne 400	Anderson SA 1200
Serial Number	450	3638	568	3203
POC	1	1	1	2
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Scale	Null	Null		
Height Above Ground	4.5	4.5	4.8	4.8
Height Above Platform	1.0	1.0	1.0	1.0
Sampler Spacing	N/A	N/A	N/A	N/A
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2012-02-07	2012-02-07	2012-02-07	Not Available
Cal. Gas Cert. Date	2010-08-30	2010-08-30	N/A	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2012-01-05	2012-01-05	2011-12-14	2011-11-30
Cal. Equipment Cert. Date	2011-10-21	2011-10-21	2011-10-26	2011-10-27
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Commercial
Residence Time (sec)	11.8	12.4	11.9	

Hesperia-Olive Street

Siting Information

Site Name: Hesperia-Olive Street	Audit Date: 2012-02-22	ARB Number: 36201	AIRS Number: 060714001
Address: 17288 Olive St Hesperia, CA 92340	Latitude: N 34.41650	Longitude: W -117.28559	Elevation (m): 969
	Auditors: Ron Barros Alvin Danque	Site Technician: Orlando Salinas	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 23.04 Degrees Celsius	Traffic	Description: Rural Distance: 100 meters Count (Veh/Day): 25	Topography	Predominant Wind Direction: West	
					Site: Valley	Arc Air Flow (Deg): 360 Degrees
					Region: Level	Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 348 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: Railroad Distance: 500 meters Direction: West	QA Manual	Manifold Clean: N/A	
				Approved: Yes	Cleaning Schedule: Semi Annually	
				Agency: Mojave Desert AQMD	Autocalibrator Type: Environics 9100	
				Urbanization: Rural	Site Survey Complete: Yes	
				Ground Cover: Dirt	Logbook Up To Date: No	

Hesperia-Olive Street Monitor Information

Monitor Type	Ozone	PM10-SSI
Manufacturer/Model	API/Teledyne 400	Sierra Anderson 1200
Serial Number	567	3202
POC	1	1
Data For Record?	Yes	Yes
Purpose	SLAMS	Other
Objective	UNKNOWN	UNKNOWN
Scale		
Height Above Ground	4.0	4.5
Height Above Platform	1.0	1.5
Sampler Spacing	N/A	N/A
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	2012-02-21	Not Available
Cal. Gas Cert. Date	N/A	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2012-01-11	2011-09-16
Cal. Equipment Cert. Date	2011-10-26	2010-10-12
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)	4.4	

Joshua Tree National Monument

Siting Information

Site Name: Joshua Tree National Monument	Audit Date: 2012-02-08	ARB Number: 36152	AIRS Number: 060719002
Address: Black Rock Joshua Tree NP, CA 92252	Latitude: N 34.06959	Longitude: W -116.38893	Elevation (m): 1244
	Auditors: Harnek Nijjar LaMar Mitchell	Site Technician: Stacy Mason	Site Phone:
Operating Agency: National Park Service (NPS)		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic	Description: HWY Distance: 6400 meters Count (Veh/Day): 10000	Topography	Predominant Wind Direction: North
					Arc Air Flow (Deg): 360 Degrees
					Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/S Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: Campground Distance: 400 meters Direction: NW	QA Manual	Manifold Clean: N/A
					Cleaning Schedule: Semi Annually
					Autocalibrator Type: TECO 49i
					Site Survey Complete: Yes
					Logbook Up To Date: Yes

Joshua Tree National Monument Monitor Information

Monitor Type	Ozone
Manufacturer/Model	TECO 49, 49C, 49i
Serial Number	8460006
POC	1
Data For Record?	Yes
Purpose	Non-EPA Federal
Objective	Highest Concentration
Scale	Regional scale
Height Above Ground	10.3
Height Above Platform	10.3
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	2012-02-07
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	2012-01-10
Cal. Equipment Cert. Date	2011-04-07
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Recreational Area
Residence Time (sec)	2.5

Lucerne Valley-Middle School

Siting Information

Site Name: Lucerne Valley - Middle School	Audit Date: 2012-02-22	ARB Number: 36208	AIRS Number: 060710013
Address: 8532 Aliento Rd Lucerne Valley, CA 92356	Latitude: N 34.41008	Longitude: W -116.90687	Elevation (m): 986
	Auditors: Ron Barros Alvin Danque	Site Technician: Orlando Salinas	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic	Description: Hwy Distance: 100 meters Count (Veh/Day): 3600	Topography	Site: Hilly Region: Valley	Predominant Wind Direction: North
						Arc Air Flow (Deg): 270 Degrees
						Probe Clean: N/A
Meteorology	Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: Mojave-AQMD Urbanization: Remote Ground Cover: Sand	Manifold Clean: N/A
						Cleaning Schedule: N/A
						Autocalibrator Type: N/A
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Lucerne Valley-Middle School Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Sierra Anderson 1200
Serial Number	2705
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	Neighborhood
Height Above Ground	3.6
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	2011-07-15
Cal. Equipment Cert. Date	2010-10-12
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Agriculture
Residence Time (sec)	

Phelan-Beekley and Phelan Roads

Siting Information

Site Name: Phelan-Beekley Road & Phelan R	Audit Date: 2012-02-14	ARB Number: 36207	AIRS Number: 060710012
Address: Beekley and Phelan Rd Phelan, CA 92371	Latitude: N 34.42505	Longitude: W -117.58982	Elevation (m): 1278
	Auditors: Leena Janda LaMar Mitchell	Site Technician: Aleksey Astakhov	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic	Description: Country Distance: 10 meters Count (Veh/Day): 50	Topography	Site: Level Region: Mountainous	Predominant Wind Direction: West
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: No
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 347 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: Mojave Desert AQMD Urbanization: Rural Ground Cover: Dirt	Manifold Clean: Yes
						Cleaning Schedule: N/A
						Autocalibrator Type: Environics 9100
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Phelan-Beekley and Phelan Roads Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	565
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	3.8
Height Above Platform	1.0
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	2012-02-10
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	2011-12-06
Cal. Equipment Cert. Date	2011-10-26
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	7.9

Trona-Athol and Telescope

Siting Information

Site Name: Trona - Athol/Telescope #2	Audit Date: 2011-09-15	ARB Number: 36220	AIRS Number: 060711234
Address: Telescope & Athol Trona, CA 93562	Latitude: N 35.77444	Longitude: W -117.37222	Elevation (m): 498
	Auditors: Laura Niles Chris Deidrick	Site Technician: Orlando Salinas	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 24 Degrees Celsius	Traffic	Description: Residential Distance: 300 meters Count (Veh/Day): 2400	Topography	Predominant Wind Direction: South	
					Site: Level	Arc Air Flow (Deg): 360 Degrees
					Region: Valley	Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 344 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: Chemical Plant Distance: 1000 meters Direction: South	QA Manual	Manifold Clean: Yes	
				Approved: Yes	Cleaning Schedule: Annually	
				Agency: Mojave Desert AQMD	Autocalibrator Type: Environics 9100	
				Urbanization: Rural	Site Survey Complete: Yes	
				Ground Cover: Roof	Logbook Up To Date: Yes	

Trona-Athol and Telescope Monitor Information

Monitor Type	Sulfur Dioxide	Nitrogen Dioxide	Hydrogen Sulfide	Ozone
Manufacturer/Model	API 100A	API 200E	API 101E	API/Teledyne 400
Serial Number	1547	3637	1375	566
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS
Objective	Other	Other	Other	UNKNOWN
Scale	Null	Null	Null	
Height Above Ground	4.0	4.0	4.0	4.0
Height Above Platform	1.2	1.2	1.2	1.2
Sampler Spacing	N/A	N/A	N/A	N/A
Current Manual Available?	Yes	Yes	Yes	No
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2011-09-06	2011-09-06	2011-09-06	2011-09-06
Cal. Gas Cert. Date	2010-11-11	2010-11-11	2010-11-11	N/A
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2011-04-26	2011-04-26	2011-04-27	2011-04-08
Cal. Equipment Cert. Date	2010-10-12	2010-10-12	2010-10-12	2010-10-12
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Industrial	Industrial	Industrial	Industrial
Residence Time (sec)	7.9	9.3	8.5	7.3

Monitor Type	PM10-SSI	TEOM
Manufacturer/Model	Sierra Andersen 1200	R&P 1400A
Serial Number	07358	9411
POC	2	2
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	Other	Other
Scale		
Height Above Ground	3.6	3.8
Height Above Platform	1.0	1.0
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	2011-06-22	2011-04-27
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	-	-
Residence Time (sec)	Industrial	Industrial
	N/A	N/A

Victorville-14036 Park Avenue

Siting Information

Site Name: Victorville - Park Avenue	Audit Date: 2012-02-23	ARB Number: 36306	AIRS Number: 060710306
Address: 14306 Park Av Victorville, CA 92392	Latitude: N 34.51096	Longitude: W -117.32555	Elevation (m): 913
	Auditors: Ron Barros Alvin Danque	Site Technician: Aleksey Astakhov	Site Phone:
Operating Agency: Mojave Desert AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature		Traffic		Topography		Predominant Wind Direction: North
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Controlled: Yes		Description: Arterial		Site: Level		
Recorded: Yes		Distance: 100 meters		Region: Valley		
Inside Temp: 22.47 Degrees Celsius		Count (Veh/Day): 1000		QA Manual		Manifold Clean: Yes
Meteorology		Non-vehicular Local Sources		Approved: Yes		Cleaning Schedule: Semi Annually
				Agency: Mojave Desert AQMD		Autocalibrator Type: Environics 9100
				Urbanization: City Center		Site Survey Complete: Yes
				Ground Cover: Asphalt		Logbook Up To Date: No
Located With Instruments: Yes		Description: None				
Shadowing: No		Distance: N/A				
Boom Orientation (Deg): 346		Direction: N/A				
Temp(Motor/Natural): Motor						

Victorville-14036 Park Avenue Monitor Information

Monitor Type	Carbon Monoxide	Sulfur Dioxide	Nitrogen Dioxide	Ozone
Manufacturer/Model	API 300	API 100A	API 200E	API/Teledyne 400
Serial Number	451	200	4171	563
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Scale	Null	Null	Null	
Height Above Ground	6.9	7.3	7.3	7.3
Height Above Platform	1.7	1.9	1.9	1.9
Sampler Spacing	N/A	N/A	N/A	N/A
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2012-02-02	2012-02-20	2012-02-20	2012-02-20
Cal. Gas Cert. Date	2010-08-30	2010-08-30	2010-08-30	N/A
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2012-01-04	2012-01-04	2012-02-01	2011-12-05
Cal. Equipment Cert. Date	2011-11-02	2011-11-02	2011-11-02	2011-10-26
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)	12.3	13.5	13.5	15.8

Monitor Type	PM10-SSI	TEOM	PM2.5	PM2.5
Manufacturer/Model	Sierra Anderson 1200	R&P 1400A	R&P 2000	R&P 2000 FRM
Serial Number	3211	140A-2572	0696	0697
POC	1	2	1	2
Data For Record?	Yes	Yes	Yes	Yes
Purpose	Other	Other	SLAMS	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE	REGIONAL TRANSPORT	REGIONAL TRANSPORT
Scale			Neighborhood	Neighborhood
Height Above Ground	5.4	5.4	5.4	5.4
Height Above Platform	1.6	1.9	2.1	2.1
Sampler Spacing	N/A	N/A	2.0	2.0
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	N/A	N/A
Cal. Gas Cert. Date	Not Available	Not Available	N/A	N/A
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2011-09-16	2012-01-10	2012-01-03	2012-01-03
Cal. Equipment Cert. Date	2010-10-12	2011-10-27	2011-10-27	2011-10-27
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)			N/A	N/A

MOUNTAIN COUNTIES AIR BASIN

(Amador County)

Jackson-Clinton Road

Siting Information

Site Name: Jackson-Clinton Road	Audit Date: 2010-09-07	ARB Number: 03614	AIRS Number: 060050002
Address: 201 Clinton Rd Jackson, CA 95642	Latitude: N 38° 20' 34"	Longitude: W 120° 45' 52"	Elevation (m): 398
	Auditors: Harnek Nijjar Laura Niles	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 26 Degrees Celsius	Traffic Description: Hwy. Distance: 300 meters Count (Veh/Day): 6000	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: Southwest
		QA Manual Approved: Yes Agency: CARB Urbanization: Suburban Ground Cover: Asphalt	Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 343 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A		Manifold Clean: Yes
			Cleaning Schedule: Annually
			Autocalibrator Type: Teledyne 400E
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Jackson-Clinton Road Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060143
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	6.8
Height Above Platform	2.6
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	8/26/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/12/2010
Cal. Equipment Cert. Date	3/2/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	5

(Calaveras County)

San Andreas-Gold Strike Road

Siting Information

Site Name: San Andreas-Gold Strike Road	Audit Date: 2010-09-08	ARB Number: 05633	AIRS Number: 060090001
Address: 501 Gold Strike Rd San Andreas, CA 95249	Latitude: N 38° 12' 7"	Longitude: W 120° 40' 49"	Elevation (m): 322
	Auditors: Harnek Nijjar Laura Niles	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 110 meters Count (Veh/Day): 500	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: Southwest
		QA Manual Approved: Yes Agency: CARB Urbanization: Rural Ground Cover: Dirt	Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 342 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A		Manifold Clean: N/A
			Cleaning Schedule: Annually
			Autocalibrator Type: Teledyne 400E
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

San Andreas-Gold Strike Road Monitor Information

Monitor Type	Ozone	PM10-SSI	BAM-PM2.5
Manufacturer/Model	API/Teledyne 400	Anderson GMW 1200	Met One BAM 1020
Serial Number	20060136	2007525	20092616
POC	1	1	1
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	5.5	3.8	3
Height Above Platform	3.6	1.9	
Sampler Spacing	N/A	2	
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	9/2/2010	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	5/18/2010	5/13/2010	5/27/2010
Cal. Equipment Cert. Date	3/2/2010	5/6/2009	5/12/2010
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Recreational Area
Residence Time (sec)	9.1	N/A	N/A

(El Dorado County)

Cool

Siting Information

Site Name: Cool (seasonal)	Audit Date: 2010-08-16	ARB Number: 09693	AIRS Number: 060170020
Address: 1400 American River Trail Cool, CA 95614	Latitude: N 38° 53' 26"	Longitude: W 121° 0' 0"	Elevation (m): 515
	Auditors: Eric Burton Chris Deidrick	Site Technician: John Latham	Site Phone:
Operating Agency: California Air Resources Board	Site Report: Yes		Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Hwy Distance: 125 meters Count (Veh/Day): 4000	Topography Site: Hilly Region: Hilly	Predominant Wind Direction: North
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: California Air Resources Board	Manifold Clean: Yes
			Cleaning Schedule: Annually
		Urbanization: Rural	Autocalibrator Type: API 400 - IZS
		Ground Cover: Dirt	Site Survey Complete: Yes
			Logbook Up To Date: No

Cool Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20004741
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	10.7
Height Above Platform	
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	8/12/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/28/2010
Cal. Equipment Cert. Date	5/12/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	5.5

Echo Summit

Siting Information

Site Name: Echo Summit (seasonal)	Audit Date: 2010-09-02	ARB Number: 09695	AIRS Number: 060170012
Address: 21200 US Hwy 50 Little Norway, CA 95721	Latitude: N 38° 48' 42"	Longitude: W 120° 1' 59"	Elevation (m): 2250
	Auditors: Leena Janda Hien Tran	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic	Description: Industrial Distance: 250 meters Count (Veh/Day): 25000	Topography	Site: Mountainous Region: Mountainous	Predominant Wind Direction: North
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Natural	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: CARB Urbanization: Rural Ground Cover: Grass	Manifold Clean: Yes
						Cleaning Schedule: Semi Annually
						Autocalibrator Type: API 400 AMX-IZS
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Echo Summit Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20005489
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	4.8
Height Above Platform	1
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	8/30/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/24/2010
Cal. Equipment Cert. Date	3/2/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	

Placerville-Gold Nugget Way

Siting Information

Site Name: Placerville-Gold Nugget Way	Audit Date: 2010-08-19	ARB Number: 09690	AIRS Number: 060170010
Address: 3111 Gold Nugget Way Placerville, CA 95667	Latitude: N 38° 43' 29"	Longitude: W 120° 49' 19"	Elevation (m): 585
	Auditors: Eric Burton Chris Deidrick	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic	Description: US Distance: 500 meters Count (Veh/Day): 15000	Topography	Site: Hilly Region: Hilly	Predominant Wind Direction: West
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: ARB Urbanization: Rural Ground Cover: Dirt	Manifold Clean: N/A
						Cleaning Schedule: Semi Annually
						Autocalibrator Type: API 400 - IZS
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Placerville-Gold Nugget Way Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060145
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	3.7
Height Above Platform	1.5
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	8/11/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	7/8/2010
Cal. Equipment Cert. Date	11/23/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	5.8

(Mariposa County)

Jerseydale

Siting Information

Site Name: Jerseydale	Audit Date: 2010-09-21	ARB Number: 22744	AIRS Number: 060430006
Address: 6440 Jerseydale Mariposa, CA 95338	Latitude: N 37° 32' 48"	Longitude: W 119° 50' 30"	Elevation (m): 1135
	Auditors: Chris Deidrick Eric Burton	Site Technician: George Jung	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic Description: Local Distance: 1500 meters Count (Veh/Day): 1000	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: North
		QA Manual Approved: Yes Agency: CARB Urbanization: Remote Ground Cover: Dirt	Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Manifold Clean: N/A			
Cleaning Schedule: Annual			
Meteorology Located With Instruments: Yes Shadowing: Yes Boom Orientation (Deg): N-S Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Agency: CARB	Autocalibrator Type: AMX-IZS
		Urbanization: Remote	Site Survey Complete: Yes
		Ground Cover: Dirt	Logbook Up To Date: Yes

Jerseydale Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20020731
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	4
Height Above Platform	1.5
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	9/13/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	6/1/2010
Cal. Equipment Cert. Date	5/11/2010
Obstacle Description	Trees
Distance to Obstacle	15
Obs. Height Above Inlet	30
Distance to Walls, etc.	-
Distance to Dripline	13
Dominant Influence	Recreational Area
Residence Time (sec)	9.6

Yosemite National Park-Turtleback Dome

Siting Information

Site Name: Yosemite Natl Park-Turtleback	Audit Date: 2010-09-22	ARB Number: 22746	AIRS Number: 060430003
Address: Turtleback Dome Yosemite National Park, CA 95389	Latitude: N 37° 42' 48"	Longitude: W 119° 42' 21"	Elevation (m): 1746
	Auditors: Eric Burton Chris Deidrick	Site Technician: Katy Warner	Site Phone:
Operating Agency: National Park Service (NPS)		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 21 Degrees Celsius	Traffic	Description: Highway Distance: 1000 meters Count (Veh/Day): 5000	Topography	Predominant Wind Direction: West	
					Site: Hilly	Arc Air Flow (Deg): 360 Degrees
					Region: Mountainous	Probe Clean: Yes
					QA Manual	Manifold Clean: N/A
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	Approved: Yes	Cleaning Schedule: Annually	
				Agency: National Park Service	Autocalibrator Type: TECO 49C	
				Urbanization: Remote	Site Survey Complete: Yes	
				Ground Cover: Gravel	Logbook Up To Date: Yes	

Yosemite National Park-Turtleback Dome Monitor Information

Monitor Type	Ozone
Manufacturer/Model	TECO 49, 49C, 49i
Serial Number	61985-333
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	7
Height Above Platform	2
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	9/21/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	4/27/2010
Cal. Equipment Cert. Date	4/27/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Recreational Area
Residence Time (sec)	11.4

Yosemite Village-Visitor Center

Siting Information

Site Name: Yosemite Village - Visitor Center	Audit Date: 2010-09-22	ARB Number: 22742	AIRS Number: 060431001
Address: Visitors Center, Yosemite Village Yosemite National Park, CA 95389	Latitude: N 37° 44' 55"	Longitude: W 119° 35' 13"	Elevation (m): 1213
	Auditors: Chris Deidrick Eric Burton	Site Technician: Katy Warner	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 21 Degrees Celsius	Traffic Description: Local Distance: 100 meters Count (Veh/Day): 1000	Topography Site: Valley Region: Valley	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: National Park Service	Cleaning Schedule: N/A		
Urbanization: Remote	Autocalibrator Type: Flow Standard		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Yosemite Village-Visitor Center Monitor Information

Monitor Type	PM10-SSI	BAM-PM2.5
Manufacturer/Model	SA 1200	Met One BAM 1020
Serial Number	2810	20020744
POC	2	3
Data For Record?	Yes	Yes
Purpose	Unknown	SLAMS
Objective	UNKNOWN	POPULATION EXPOSURE
Scale		
Height Above Ground	7.5	7.5
Height Above Platform	1.5	1.5
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	3/17/2010	3/17/2010
Cal. Equipment Cert. Date	10/9/2008	3/31/2009
Obstacle Description	Sampler box	None
Distance to Obstacle	1	-
Obs. Height Above Inlet	0	-
Distance to Walls, etc.	-	-
Distance to Dripline	8	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A

(Nevada County)

Grass Valley-Litton Building

Siting Information

Site Name: Grass Valley-Litton Building	Audit Date: 2011-04-14	ARB Number: 29800	AIRS Number: 060570005
Address: 200 Litton Dr., Suite 230 Grass Valley, CA 95945	Latitude: N 39° 14' 1"	Longitude: W 121° 3' 20"	Elevation (m): 757
	Auditors: Harnek Nijjar LaMar Mitchell	Site Technician: Joe Fish	Site Phone:
Operating Agency: Northern Sierra AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 100 meters Count (Veh/Day): 1000	Topography Site: Hilly Region: Hilly	Predominant Wind Direction: East
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: CARB	Manifold Clean: N/A
			Cleaning Schedule: Semi Annually
		Urbanization: Suburban	Autocalibrator Type: API 700E
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Grass Valley-Litton Building Monitor Information

Monitor Type	Nitrogen Dioxide	Ozone	BAM-PM2.5	PM2.5
Manufacturer/Model	API 200E	API/Teledyne 400	Met One BAM 1020	R&P 2000
Serial Number	1984	257	D5362	20004985
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	Unknown	SLAMS	SLAMS	SLAMS
Objective	REGIONAL TRANSPORT	UNKNOWN	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Null		Neighborhood	Neighborhood
Height Above Ground	16	13	12	12
Height Above Platform		4	1.6	1.6
Sampler Spacing	N/A	N/A		
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2/28/2011	2/28/2011	N/A	N/A
Cal. Gas Cert. Date	1/24/2008	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	4/8/2011	4/8/2011	4/12/2011	Not Available
Cal. Equipment Cert. Date	5/17/2010	5/17/2010	8/3/2009	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Commercial	Commercial
Residence Time (sec)	17.4	15.2	N/A	N/A

Truckee-Fire Station

Siting Information

Site Name: Truckee - Fire Station	Audit Date: 2011-06-08	ARB Number: 29794	AIRS Number: 060571001
Address: 10046 Donner Pass Rd Truckee, CA 96161	Latitude: N 39° 19' 39"	Longitude: W 120° 11' 05"	Elevation (m): 1774
	Auditors: Laura Niles Hien Tran	Site Technician: Ryan Murano	Site Phone:
Operating Agency: Northern Sierra AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic Description: Arterial Distance: 20 meters Count (Veh/Day): 15000	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: West
		QA Manual Approved: Yes Agency: CARB	Arc Air Flow (Deg): 360 Degrees
			Probe Clean: N/A
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: Trains Distance: 30 meters Direction: S	Urbanization: City Center	Manifold Clean: N/A
		Ground Cover: Roof	Cleaning Schedule: N/A
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Truckee-Fire Station Monitor Information

Monitor Type	BAM-PM2.5	PM2.5	PM2.5
Manufacturer/Model	Met One BAM 1020	R&P 2025	R&P 2025
Serial Number	29	20021400	20020960
POC	2	2	2
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Neighborhood	Neighborhood	Neighborhood
Height Above Ground	7.5	9	9
Height Above Platform	2.4	2	2
Sampler Spacing		2.5	2.5
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	N/A	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	6/7/2011	6/7/2011	6/7/2011
Cal. Equipment Cert. Date	8/3/2009	8/3/2009	8/3/2009
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A	N/A

White Cloud Mountain

Siting Information

Site Name: White Cloud (seasonal)	Audit Date: 2011-06-08	ARB Number: 29802	AIRS Number: 060570007
Address: 26533 CA State Hwy 20 Nevada City, CA 95959	Latitude: N 39° 19' 5"	Longitude: W 120° 50' 44"	Elevation (m): 1316
	Auditors: Laura Niles Hien Tran	Site Technician: John Latham	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature		Traffic		Topography		Predominant Wind Direction: South
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Controlled: Yes		Description: Arterial		Site: Mountainous		
Recorded: Yes		Distance: 150 meters		Region: Mountainous		
Inside Temp: 22 Degrees Celsius		Count (Veh/Day): 2000		QA Manual		Manifold Clean: Yes
Meteorology		Non-vehicular Local Sources		Approved: Yes		Cleaning Schedule: Annually
				Agency: ARB		Autocalibrator Type: API 400A - IZS
				Urbanization: Rural		Site Survey Complete: Yes
				Ground Cover: Dirt		Logbook Up To Date: Yes
Located With Instruments: Yes		Description: None				
Shadowing: No		Distance: N/A				
Boom Orientation (Deg): 345		Direction: N/A				
Temp(Motor/Natural): Motor						

White Cloud Mountain Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20021111
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	3.5
Height Above Platform	1
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	6/1/2011
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/5/2011
Cal. Equipment Cert. Date	10/11/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	10
Dominant Influence	Vehicular
Residence Time (sec)	10.4

(Placer County)

Colfax-City Hall

Siting Information

Site Name: Colfax-City Hall	Audit Date: 2010-08-17	ARB Number: 31818	AIRS Number: 060610004
Address: 33 S. Main St Colfax, CA 95713	Latitude: N 39° 5' 59"	Longitude: W 120° 57' 14"	Elevation (m): 737
	Auditors: Chris Deidrick Hien Tran	Site Technician: Kurt Schreiber	Site Phone:
Operating Agency: Placer County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: I-80 Distance: 500 meters Count (Veh/Day): 31500	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources Description: Paint shop Distance: 100 meters Direction: NW
Approved: Yes	Manifold Clean: Yes		
Agency: CARB	Cleaning Schedule: As Needed		
Urbanization: Suburban	Autocalibrator Type: DASIBI 1008-DC		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Colfax-City Hall Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	1029
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	
Height Above Ground	9.5
Height Above Platform	2
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	8/3/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	7/16/2010
Cal. Equipment Cert. Date	6/14/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	6.4

(Plumas County)

Chester

Siting Information

Site Name: Chester	Audit Date: 2011-06-07	ARB Number: 32823	AIRS Number: 060631007
Address: 222 1st Av Chester, CA 96020	Latitude: N 40° 18' 35"	Longitude: W 121° 13' 40"	Elevation (m): 1520
	Auditors: Hien Tran Laura Niles	Site Technician: George Ozanich	Site Phone:
Operating Agency: Northern Sierra AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 22 Degrees Celsius	Traffic Description: Arterial Distance: 200 meters Count (Veh/Day): 1500	Topography Site: Level Region: Mountainous	Predominant Wind Direction: Southeast
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources Description: Cogen plant Distance: 1400 meters Direction: SW
Approved: Yes	Manifold Clean: No		
Agency: CARB	Cleaning Schedule: As Needed		
Urbanization: Suburban	Autocalibrator Type: N/A		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Chester Monitor Information

Monitor Type	BAM-PM2.5
Manufacturer/Model	Met One 1020
Serial Number	A4439
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	Other
Scale	
Height Above Ground	5
Height Above Platform	2
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/6/2010
Cal. Equipment Cert. Date	8/3/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

Portola-Nevada Street

Siting Information

Site Name: Portola - Nevada Street	Audit Date: 2011-06-07	ARB Number: 32825	AIRS Number: 060631009
Address: 161 Nevada St Portola, CA 96122	Latitude: N 39° 48' 30"	Longitude: W 120° 28' 18"	Elevation (m): 1492
	Auditors: Hien Tran Laura Niles	Site Technician: George Ozanich	Site Phone:
Operating Agency: Northern Sierra AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic Description: Arterial Distance: 20 meters Count (Veh/Day): 1000	Topography Site: Valley Region: Hilly	Predominant Wind Direction: Southwest
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: ARB	Cleaning Schedule: N/A		
Urbanization: Suburban	Autocalibrator Type: N/A		
Ground Cover: Asphalt	Site Survey Complete: Yes		
			Logbook Up To Date: Yes

Portola-Nevada Street Monitor Information

Monitor Type	BAM-PM2.5	PM2.5
Manufacturer/Model	Met One BAM 1020	R & P 2025
Serial Number	B2843	20024864
POC	1	1
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Neighborhood	Neighborhood
Height Above Ground	5.6	6.5
Height Above Platform	2	2
Sampler Spacing	2	2
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	6/3/2011	6/3/2011
Cal. Equipment Cert. Date	3/1/2009	3/1/2009
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A

Quincy-N Church Street

Siting Information

Site Name: Quincy-N Church Street	Audit Date: 2011-06-07	ARB Number: 32821	AIRS Number: 060631006
Address: 267 N Church Street Quincy, CA 95971	Latitude: N 39° 56' 23"	Longitude: W 120° 56' 39"	Elevation (m): 1043
	Auditors: Hien Tran Laura Niles	Site Technician: George Ozanich	Site Phone:
Operating Agency: Northern Sierra AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic Description: Arterial Distance: 100 meters Count (Veh/Day): 5000	Topography Site: Valley	Predominant Wind Direction: North
		Region: Hilly	Arc Air Flow (Deg): 360 Degrees
		QA Manual	Probe Clean: No
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Approved: Yes	Manifold Clean: No
		Agency: ARB	Cleaning Schedule: Semi annually
		Urbanization: Suburban	Autocalibrator Type: N/A
		Ground Cover: Grass	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Quincy-N Church Street Monitor Information

Monitor Type	BAM-PM2.5	PM2.5
Manufacturer/Model	Met One BAM 1020	R & P 2025
Serial Number	20021218	20021077
POC	1	1
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Neighborhood	Neighborhood
Height Above Ground	2.3	3.5
Height Above Platform	0.8	2
Sampler Spacing	2	2
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	6/3/2011	6/3/2011
Cal. Equipment Cert. Date	3/15/2009	3/15/2009
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A

(Tuolumne County)

Sonora-Barretta Street

Siting Information

Site Name: Sonora - Barretta Street	Audit Date: 2010-09-08	ARB Number: 55930	AIRS Number: 061090005
Address: 251 S. Barretta St Sonora, CA 95370	Latitude: N 37° 58' 55"	Longitude: W 120° 22' 43"	Elevation (m): 579
	Auditors: Harnek Nijjar Laura Niles	Site Technician: Jerry Troyer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Residential Distance: 65 meters Count (Veh/Day): 500	Topography Site: Hilly Region: Hilly	Predominant Wind Direction: Southwest
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: California Air Resources Board	Manifold Clean: N/A
			Cleaning Schedule: Annually
			Autocalibrator Type: API 400E IZS
			Site Survey Complete: Yes
		Urbanization: Suburban	Logbook Up To Date: Yes
		Ground Cover: Asphalt	

Sonora-Barretta Street Monitoring Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060144
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	5.5
Height Above Platform	1.8
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	9/3/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	7/8/2010
Cal. Equipment Cert. Date	3/2/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	9.4

NORTH COAST AIR BASIN

(Mendocino County)

Fort Bragg-North Franklin Street

Siting Information

Site Name: Fort Bragg-N Franklin Street	Audit Date: 2011-05-23	ARB Number: 23756	AIRS Number: 060450002
Address: 416 N Franklin Street Fort Bragg, CA 95347	Latitude: N 39° 26' 45"	Longitude: W 123° 48' 16"	Elevation (m): 30
	Auditors: Hien Tran Leena Janda	Site Technician: Bob Scaglione	Site Phone:
Operating Agency: Mendocino County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Commercial Distance: 15 meters Count (Veh/Day): 5000	Topography Site: Level	Predominant Wind Direction: Northwest
		Region: Hilly	Arc Air Flow (Deg): 360 Degrees
		QA Manual	Probe Clean: N/A
			Manifold Clean: N/A
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: Rock Plant Distance: 110 meters Direction: W	Approved: Yes	Cleaning Schedule: N/A
		Agency: California Air Resources Board	Autocalibrator Type: N/A
		Urbanization: Suburban	Site Survey Complete: Yes
		Ground Cover: Roof	Logbook Up To Date: Yes

Fort Bragg-North Franklin Street Monitor Information

Monitor Type	BAM
Manufacturer/Model	Met One BAM 1020
Serial Number	29820
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	8
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/22/2011
Cal. Equipment Cert. Date	4/30/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

Ukiah-County Library

Siting Information

Site Name: Ukiah - Library	Audit Date: 2011-05-23	ARB Number: 23764	AIRS Number: 060450006
Address: 105 N. Main St Ukiah, CA 95482	Latitude: N 39° 9' 4"	Longitude: W 123° 12' 24"	Elevation (m): 186
	Auditors: Hien Tran Leena Janda	Site Technician: Bob Scaglione	Site Phone:
Operating Agency: Mendocino County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Arterial Distance: 10 meters Count (Veh/Day): 5000	Topography Site: Level Region: Hilly	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: California Air Resources Board	Cleaning Schedule: N/A		
Urbanization: City Center	Autocalibrator Type: N/A		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Ukiah-County Library Monitor Information

Monitor Type	BAM-PM2.5
Manufacturer/Model	Met One BAM 1020
Serial Number	H9180
POC	3
Data For Record?	Yes
Purpose	Unknown
Objective	POPULATION EXPOSURE
Scale	
Height Above Ground	12
Height Above Platform	2
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	8/16/2010
Cal. Equipment Cert. Date	3/18/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

Ukiah-East Gobbi Street

Siting Information

Site Name: Ukiah - Gobbi Street	Audit Date: 2011-05-23	ARB Number: 23769	AIRS Number: 060450008
Address: 306 E. Gobbi St Ukiah, CA 95482	Latitude: N 39° 8' 44"	Longitude: W 123° 12' 11"	Elevation (m): 194
	Auditors: Hien Tran Leena Janda	Site Technician: Bob Scaglione	Site Phone:
Operating Agency: Mendocino County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 23.3 Degrees Celsius	Traffic Description: Arterial Distance: 40 meters Count (Veh/Day): 30000	Topography Site: Level	Predominant Wind Direction: Northwest
		Region: Hilly	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes	Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Agency: California Air Resources Board	Manifold Clean: Yes
		Urbanization: Suburban	Cleaning Schedule: Annually
		Ground Cover: Grass	Autocalibrator Type: Environics 6100
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Ukiah-East Gobbi Street Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	27286
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	6
Height Above Platform	2
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	5/23/2011
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/22/2011
Cal. Equipment Cert. Date	12/8/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	5.4

Willits-Justice Center

Siting Information

Site Name: Willits - Justice Center	Audit Date: 2011-05-23	ARB Number: 23754	AIRS Number: 060452002
Address: 125 E. Commercial St. Willits, CA 95490	Latitude: N 39° 24' 42"	Longitude: W 123° 21' 10"	Elevation (m): 424m
	Auditors: Hien Tran Leena Janda	Site Technician: Bob Scaglione	Site Phone:
Operating Agency: Mendocino County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Residential Distance: 45 meters Count (Veh/Day): 120	Topography Site: Level Region: Hilly	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: N/A
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: California Air Resources Board Urbanization: Suburban Ground Cover: Roof	Manifold Clean: N/A
			Cleaning Schedule: N/A
			Autocalibrator Type: N/A
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Willits-Justice Center Monitor Information

Monitor Type	BAM-PM2.5
Manufacturer/Model	Met One BAM 1020
Serial Number	29819
POC	3
Data For Record?	Yes
Purpose	Unknown
Objective	GENERAL/BACKGROUND
Scale	Urban scale
Height Above Ground	10
Height Above Platform	2
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/22/2011
Cal. Equipment Cert. Date	4/30/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

(Sonoma County)

Cloverdale

Siting Information

Site Name: Cloverdale	Audit Date: 2011-05-24	ARB Number: 49886	AIRS Number: 060970001
Address: 100 S. Washington St Cloverdale, CA 95425	Latitude: N 38° 48' 17"	Longitude: W 123° 1' 4"	Elevation (m): 93
	Auditors: Leena Janda Hien Tran	Site Technician: Jessica DePrimo	Site Phone:
Operating Agency: Northern Sonoma County APCD	Site Report: Yes		Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Arterial Distance: 40 meters Count (Veh/Day): 40000	Topography Site: Level Region: Hilly	Predominant Wind Direction: Southwest
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: N/A
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: California Air Resources Board	Manifold Clean: N/A
			Cleaning Schedule: N/A
		Urbanization: Suburban	Autocalibrator Type: N/A
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Cloverdale Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Sierra Anderson 1200
Serial Number	3212
POC	2
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	4.5
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	3/17/2011
Cal. Equipment Cert. Date	1/22/2007
Obstacle Description	Wall
Distance to Obstacle	6
Obs. Height Above Inlet	2.5
Distance to Walls, etc.	-
Distance to Dripline	20
Dominant Influence	Vehicular
Residence Time (sec)	

Guerneville-Church and 1st

Siting Information

Site Name: Guerneville-Church and 1st	Audit Date: 2011-05-25	ARB Number: 49895	AIRS Number: 060973002
Address: Church & First Guerneville, CA 95446	Latitude: N 38° 30' 6"	Longitude: W 122° 59' 52"	Elevation (m): 17
	Auditors: Hien Tran Leena Janda	Site Technician: Jessica DePrimo	Site Phone:
Operating Agency: Northern Sonoma County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Arterial Distance: 20 meters Count (Veh/Day): 10000	Topography Site: Valley Region: Hilly	Predominant Wind Direction: West
		QA Manual Approved: Yes Agency: California Air Resources Board	Arc Air Flow (Deg): 360 Degrees
			Probe Clean: No
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Urbanization: City Center	Manifold Clean: No
		Ground Cover: Roof	Cleaning Schedule: N/A
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Guerneville-Church and 1st Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	GMW 1200
Serial Number	82681
POC	1
Data For Record?	No
Purpose	
Objective	UNKNOWN
Scale	
Height Above Ground	4.2
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	3/17/2011
Cal. Equipment Cert. Date	1/22/2007
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	
Residence Time (sec)	

Healdsburg-Matheson Street

Siting Information

Site Name: Healdsburg - Matheson	Audit Date: 2011-05-24	ARB Number: 49898	AIRS Number: 060970002
Address: 133 Matheson St Healdsburg, CA 95448	Latitude: N 38° 36' 39"	Longitude: W 122° 52' 8"	Elevation (m): 31
	Auditors: Leena Janda Hien Tran	Site Technician: Jessica DePrimo	Site Phone:
Operating Agency: Northern Sonoma County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic	Description: City Distance: 20 meters Count (Veh/Day): 20000	Topography	Site: Level Region: Hilly	Predominant Wind Direction: West
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology	Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: California Air Resources Board Urbanization: Rural Ground Cover: Asphalt	Manifold Clean: N/A
						Cleaning Schedule: Semi Annually
						Autocalibrator Type: N/A
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Healdsburg-Matheson Street Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Sierra Anderson 1200
Serial Number	1295
POC	2
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	4.5
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	3/17/2011
Cal. Equipment Cert. Date	1/22/2007
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	

Healdsburg-Municipal Airport

Siting Information

Site Name: Healdsburg-Municipal Airport	Audit Date: 2011-05-24	ARB Number: 49899	AIRS Number: 060971003
Address: 200 Heidelberg Way Healdsburg, CA 95448	Latitude: N 38° 39' 13"	Longitude: W 122° 54' 2"	Elevation (m): 82
	Auditors: Leena Janda Hien Tran	Site Technician: George Erdman	Site Phone:
Operating Agency: Northern Sonoma County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 23.9 Degrees Celsius	Traffic Description: Airport Distance: 50 meters Count (Veh/Day): 400	Topography Site: Level Region: Hilly	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: California Air Resources Board	Probe Clean: Yes
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Urbanization: Rural	Manifold Clean: N/A
		Ground Cover: Asphalt	Cleaning Schedule: Quarterly
			Autocalibrator Type: 400E IZS
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Healdsburg-Municipal Airport Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	105860
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	6.6
Height Above Platform	3
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	4/25/2011
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/21/2011
Cal. Equipment Cert. Date	12/8/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	

NORTHEAST PLATEAU AIR BASIN

(Siskiyou County)

Note: There was no survey report for the site Weed at the time this report was drafted.

Yreka-Foothill Drive

Siting Information

Site Name: Yreka	Audit Date: 2011-05-18	ARB Number: 47861	AIRS Number: 060932001
Address: 525 S. Foothill Dr. Yreka, CA 96097	Latitude: N 41° 43' 36"	Longitude: W 122° 38' 1"	Elevation (m): 802
	Auditors: Laura Niles Ron Barros	Site Technician: Eric Olson	Site Phone:
Operating Agency: Siskiyou County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic Description: HWY5 Distance: 100 meters Count (Veh/Day): 50000	Topography Site: Valley Region: Valley	Predominant Wind Direction: North Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: Siskiyou County APCD	Probe Clean: Yes
			Manifold Clean: N/A Cleaning Schedule: Semi Annually
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): NA Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Urbanization: Suburban	Autocalibrator Type: CSI 1790
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Yreka-Foothill Drive Monitor Information

Monitor Type	Ozone	PM10-SSI	PM2.5
Manufacturer/Model	API/Teledyne 400	Sierra Anderson 1200	R & P 2000
Serial Number	14189	20005077	20004989
POC	1	2	1
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Unknown
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	7	4	2
Height Above Platform		1.5	
Sampler Spacing	N/A		
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	5/17/2011	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	4/19/2011	4/19/2011	4/19/2011
Cal. Equipment Cert. Date	12/8/2010	8/12/2010	4/14/2011
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	7.9	N/A	N/A

SACRAMENTO VALLEY AIR BASIN

(Butte County)

Note: There was no survey report available for the Paradise-Clark Road site at the time this report was drafted.

Chico-Manzanita Avenue

Siting Information

Site Name: Chico-Manzanita	Audit Date: 2010-06-08	ARB Number: 04628	AIRS Number: 060070002
Address: 468 Manzanita Av Chico, CA 95926	Latitude: N 39° 45' 27"	Longitude: W 121° 50' 32"	Elevation (m): 62
	Auditors: Eric Burton Chris Deidrick	Site Technician: Bob Land	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Arterial Distance: 100 meters Count (Veh/Day): 10000	Topography Site: Level	Predominant Wind Direction: South
		Region: Valley	Arc Air Flow (Deg): 360 Degrees
		QA Manual	Probe Clean: Yes
Approved: Yes	Manifold Clean: Yes		
Agency: California Air Resources Board	Cleaning Schedule: Monthly		
Urbanization: Suburban	Autocalibrator Type: Environcs 9100		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Chico-Manzanita Avenue Monitor Information

Monitor Type	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10-SSI
Manufacturer/Model	Dasibi 3008	TECO 42, 42C, 42i	API/Teledyne 400	Anderson 1200
Serial Number	20003693	20003372	20021223	20007696
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Scale				
Height Above Ground	7.5	7.5	7.5	5
Height Above Platform	2.5	2.5	2.5	1.5
Sampler Spacing	N/A	N/A	N/A	
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	6/7/2010	6/7/2010	6/7/2010	N/A
Cal. Gas Cert. Date	9/29/2009	9/29/2009	N/A	N/A
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	11/23/2009	11/23/2009	11/23/2009	5/18/2010
Cal. Equipment Cert. Date	10/5/2009	10/5/2009	10/5/2009	12/2/2009
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Obs. Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)		9.3	14.6	N/A

Chico-Manzanita Avenue Monitor Information (Cont.)

Monitor Type	BAM-PM2.5	BAM-PM2.5	PM2.5
Manufacturer/Model	BAM 1020	BAM 1020	R&P 2000-H
Serial Number	20021153	20021147	20004984
POC	4	3	1
Data For Record?	Yes	Yes	Yes
Purpose	Other	Other	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	5	5	5
Height Above Platform	1.5	1.5	1.5
Sampler Spacing	3	3	
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	N/A	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	11/23/2009	11/23/2009	11/23/2009
Cal. Equipment Cert. Date	4/13/2009	4/13/2009	4/13/2009
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	N/A	N/A	N/A

Gridley-Cowee Avenue

Siting Information

Site Name: Gridley	Audit Date: 2010-09-29	ARB Number: 04636	AIRS Number: 060074001
Address: 608 Cowee Av Gridley, CA 95948	Latitude: N 39° 19' 40"	Longitude: W 121° 40' 8"	Elevation (m): 32
	Auditors: Leena Janda Eric Burton	Site Technician: Rick Rigsby	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 28 Degrees Celsius	Traffic	Description: County Distance: 100 meters Count (Veh/Day): 100	Topography	Site: Level Region: level	Predominant Wind Direction: North
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: N/A
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 347 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: Farm Distance: 15 meters Direction: East	QA Manual	Approved: Yes Agency: California Air Resources Board Urbanization: Rural Ground Cover: Grass	Manifold Clean: N/A
						Cleaning Schedule: N/A
						Autocalibrator Type: N/A
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Gridley-Cowee Avenue Monitor Information

Monitor Type	BAM-PM2.5
Manufacturer/Model	MetOne BAM 1020
Serial Number	20005429
POC	3
Data For Record?	Yes
Purpose	Other
Objective	Other
Scale	
Height Above Ground	6
Height Above Platform	1
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/26/2010
Cal. Equipment Cert. Date	7/23/2008
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Agriculture
Residence Time (sec)	N/A

Paradise-Airport Road

Siting Information

Site Name: Paradise - Airport	Audit Date: 2010-06-09	ARB Number: 04638	AIRS Number: 060070007
Address: 4405 Airport Rd Paradise, CA 95969	Latitude: N 39° 42' 31"	Longitude: W 121° 37' 02"	Elevation (m): 393
	Auditors: Eric Burton Chris Deidrick	Site Technician: Bob Land	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic	Description: Commercial Distance: 10 meters Count (Veh/Day): 100	Topography	Site: Level Region: Hilly	Predominant Wind Direction: North
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources	Description: Airport Distance: 52 meters Direction: ENE	QA Manual	Approved: Yes Agency: California Air Resources Board	Manifold Clean: Yes
						Cleaning Schedule: Semi-annual
						Autocalibrator Type: Environics 6103
						Site Survey Complete: Yes
					Ground Cover: Asphalt	Logbook Up To Date: Yes

Paradise-Airport Road Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060140
POC	1
Data For Record?	Yes
Purpose	Unknown
Objective	UNKNOWN
Scale	
Height Above Ground	4.3
Height Above Platform	1
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	6/7/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	9/30/2009
Cal. Equipment Cert. Date	9/14/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	16.1

(Colusa County)

Colusa-Sunrise Blvd

Siting Information

Site Name: Colusa-Sunrise Blvd	Audit Date: 2010-11-17	ARB Number: 06646	AIRS Number: 060111002
Address: 100 Sunrise Blvd Colusa, CA 95932	Latitude: N 39° 11' 20"	Longitude: W 121° 59' 53"	Elevation (m): 17
	Auditors: Laura Niles Hien Tran	Site Technician: Rick Rigsby	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 20 Degrees Celsius	Traffic Description: Arterial Distance: 100 meters Count (Veh/Day): 12000	Topography Site: Level Region: Level	Predominant Wind Direction: South
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 331 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: Agriculture Distance: 50 meters Direction: 360	QA Manual Approved: Yes Agency: California Air Resources Board	Manifold Clean: Yes
			Cleaning Schedule: As Needed
		Urbanization: Suburban	Autocalibrator Type: API 400E IZS/AMX
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Colusa-Sunrise Blvd Monitor Information

Monitor Type	Ozone	PM10-SSI	PM2.5
Manufacturer/Model	API/Teledyne 400	S A 1200	R & P 2025
Serial Number	20060149	20020870	20020964
POC	1	2	1
Data For Record?	Yes	Yes	Yes
Purpose	Other	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	6.2	7.6	7.6
Height Above Platform	2.9	1.5	1.5
Sampler Spacing	N/A		
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	11/15/2010	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	2/23/2010	8/25/2010	6/3/2010
Cal. Equipment Cert. Date	2/9/2010	6/2/2010	4/30/2010
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Agriculture	Vehicular
Residence Time (sec)	7	N/A	N/A

(Glenn County)

Willows-E Laurel Street

Siting Information

Site Name: Willows-Colusa	Audit Date: 2010-03-01	ARB Number: 11676	AIRS Number: 060210003
Address: 720 N. Colusa St. Willows, CA	Latitude: N 39° 32' 02"	Longitude: W 122° 11' 27"	Elevation (m): 38
	Auditors: Eric Burton Patrick Rainey	Site Technician: Bob Land	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 24 Degrees Celsius	Traffic Description: Arterial Distance: 500 meters Count (Veh/Day): 400	Topography Site: Valley Region: Valley	Predominant Wind Direction: Southwest
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: CARB	Manifold Clean: Yes
			Cleaning Schedule: As needed
		Urbanization: Suburban	Autocalibrator Type: API 400 IZS
		Ground Cover: Gravel	Site Survey Complete: Yes Logbook Up To Date: Yes

Willows-E Laurel Street Monitor Information

Monitor Type	Ozone	PM10-SSI	BAM-PM2.5
Manufacturer/Model	API/Teledyne 400	GMW 1200	Met One BAM 1020
Serial Number	20060141	20003896	20021150
POC	1	1	1
Data For Record?	Yes	Yes	Yes
Purpose	Unknown	Unknown	SLAMS
Objective	POPULATION EXPOSURE	Other	Other
Scale			
Height Above Ground	5.4	3.5	9.1
Height Above Platform	2.6	1.5	2
Sampler Spacing	N/A		
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	2/22/2010	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	10/6/2009	11/17/2009	2/18/2010
Cal. Equipment Cert. Date	9/14/2009	10/23/2009	Not Available
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	9	N/A	N/A

(Placer County)

Auburn-Dewitt-C Avenue

Siting Information

Site Name: Auburn	Audit Date: 2010-08-17	ARB Number: 31813	AIRS Number: 060610002
Address: 3091 County Center Dr. Auburn, CA 95603	Latitude: N 38° 56' 28"	Longitude: W 121° 6' 25"	Elevation (m): 400
	Auditors: Chris Deidrick Hien Tran	Site Technician: Kurt Schreiber	Site Phone:
Operating Agency: Placer County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Arterial Distance: 5 meters Count (Veh/Day): 10	Topography Site: Hilly Region: Hilly	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: CARB	Cleaning Schedule: As Needed		
Urbanization: Suburban	Autocalibrator Type: Environics 6103		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Auburn-Dewitt-C Avenue Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	1028
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	18
Height Above Platform	2
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	6/22/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	7/27/2010
Cal. Equipment Cert. Date	6/14/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	11.4

Roseville-N Sunrise Blvd

Siting Information

Site Name: Roseville-N Sunrise Blvd	Audit Date: 2010-06-03	ARB Number: 31822	AIRS Number: 060610006
Address: 151 N Sunrise Bl Roseville, CA 95661	Latitude: N 38° 44' 46"	Longitude: W 121° 15' 53"	Elevation (m): 49
	Auditors: Leena Janda Hien Tran	Site Technician: John Latham	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Arterial Distance: 50 meters Count (Veh/Day): 56000	Topography Site: Level	Predominant Wind Direction: Northwest
		Region: Hilly	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: California Air Resources Board	Probe Clean: Yes
Urbanization: City Center	Manifold Clean: Yes		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 344 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Agency: California Air Resources Board	Cleaning Schedule: Annually
		Ground Cover: Roof	Autocalibrator Type: Environics 9100
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Roseville-N Sunrise Blvd Monitor Information

Monitor Type	Nitrogen Dioxide	Ozone	PM10-SSI	BAM-PM2.5	PM2.5
Manufacturer/Model	API 200E	API/Teledyne 400	Sierra Andersen 1200	Met One 1020	R&P 2000
Serial Number	20072340	20060139	20003787	20005404	20005250
POC	1	1	1	1	3
Data For Record?	Yes	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS	Other
Objective	UNKNOWN	UNKNOWN	UNKNOWN	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Null			Neighborhood	
Height Above Ground	9	9	9	7.5	6.1
Height Above Platform	2.5	2.5	1.5	3	1.5
Sampler Spacing	N/A	N/A			
Current Manual Available?	Yes	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes	Yes
In-line Filter Change Date	5/25/2010	5/25/2010	N/A	N/A	N/A
Cal. Gas Cert. Date	5/1/2008	N/A	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes	Yes	Yes
Calibration Date	11/9/2009	6/11/2009	3/29/2010	6/10/2009	9/25/2009
Cal. Equipment Cert. Date	6/11/2009	6/10/2009	12/3/2009	5/29/2009	5/29/2009
Obstacle Description	None	None	None	None	None
Distance to Obstacle	-	-	-	-	-
Obs. Height Above Inlet	-	-	-	-	-
Distance to Walls, etc.	-	-	-	-	-
Distance to Dripline	-	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)	12.6	11.1	N/A	N/A	N/A

(Shasta County)

Anderson-North Street

Siting Information

Site Name: Anderson-North Street	Audit Date: 2011-05-17	ARB Number: 45567	AIRS Number: 060890007
Address: 2220 North St Anderson, CA 96007	Latitude: N 40° 27' 11"	Longitude: W 122° 17' 55"	Elevation (m): 131
	Auditors: Laura Niles Ron Barros	Site Technician: Donal Jonio	Site Phone:
Operating Agency: Shasta County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 21 Degrees Celsius	Traffic Description: City Distance: 20 meters Count (Veh/Day): 5000	Topography Site: Level Region: Level	Predominant Wind Direction: North
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: Shasta County AQMD	Cleaning Schedule: Semi Annually		
Urbanization: City Center	Autocalibrator Type: API 401		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Anderson-North Street Monitor Information

Monitor Type	Ozone	PM10-SSI
Manufacturer/Model	API/Teledyne 400	SA 1200
Serial Number	10425	27105
POC	1	1
Data For Record?	Yes	Yes
Purpose	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN
Scale		
Height Above Ground	7.8	6
Height Above Platform	3	2
Sampler Spacing	N/A	
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	5/4/2011	N/A
Cal. Gas Cert. Date	N/A	N/A
Calibration Current?	Yes	Yes
Calibration Date	5/6/2011	4/19/2011
Cal. Equipment Cert. Date	Not Available	11/3/2003
Obstacle Description	None	None
Distance to Obstacle	-	-
Obs. Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence	Vehicular	Vehicular
Residence Time (sec)		N/

Lassen Volcanic National Park-Manzanita Lake

Siting Information

Site Name: Lassen Volcanic National Park	Audit Date: 2011-05-17	ARB Number: 45566	AIRS Number: 060893003
Address: West Entrance Lassen Volcanic National Park, CA 96071	Latitude: N 40° 32' 14"	Longitude: W 121° 34' 35"	Elevation (m): 1788
	Auditors: Laura Niles Ron Barros	Site Technician: Jonathan Arnold	Site Phone:
Operating Agency: National Park Service (NPS)		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 22 Degrees Celsius	Traffic	Description: Rural Distance: 95 meters Count (Veh/Day): 1000	Topography	Site: Mountainous Region: Mountainous	Predominant Wind Direction: West
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology	Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N-S Temp(Motor/Natural):	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: National Park Service Urbanization: Remote Ground Cover: Roof	Manifold Clean: N/A
						Cleaning Schedule: Semi Annually
						Autocalibrator Type: Teco 49C
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Lassen Volcanic National Park-Manzanita Lake Monitor Information

Monitor Type	Ozone
Manufacturer/Model	TECO 49, 49C, 49i
Serial Number	90834
POC	1
Data For Record?	Yes
Purpose	Non-EPA Federal
Objective	UNKNOWN
Scale	Neighborhood
Height Above Ground	10
Height Above Platform	
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	5/17/2011
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	2/28/2011
Cal. Equipment Cert. Date	1/12/2011
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Recreational Area
Residence Time (sec)	4.8

Redding-Health Department

Siting Information

Site Name: Redding - Health Department	Audit Date: 2011-05-16	ARB Number: 45555	AIRS Number: 060890004
Address: 2630 Breslauer Way Redding, CA 96001	Latitude: N 40° 33' 5"	Longitude: W 122° 22' 51"	Elevation (m): 149
	Auditors: Ron Barros Laura Niles	Site Technician: Rob Stahl	Site Phone:
Operating Agency: Shasta County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 22.3 Degrees Celsius	Traffic Description: Arterial Distance: 10 meters Count (Veh/Day): 300	Topography Site: Level	Predominant Wind Direction: North
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: Shasta County AQMD	Probe Clean: Yes
Urbanization: Suburban	Manifold Clean: Yes		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Ground Cover: Roof	Cleaning Schedule: Semi Annually
			Autocalibrator Type: Environics 9100
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Redding-Health Department Monitor Information

Monitor Type	Ozone	PM10-SSI	PM2.5
Manufacturer/Model	API/Teledyne 400	SA 1200	R & P 2000
Serial Number	35268	7176	20004995
POC	1	2	1
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	9.9	8.4	8.7
Height Above Platform	3	1.4	1.5
Sampler Spacing	N/A		2
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	5/10/2011	N/A	N/A
Cal. Gas Cert. Date	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	1/24/2011	1/24/2011	1/26/2011
Cal. Equipment Cert. Date	12/15/2010	12/9/2009	4/30/2010
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	7.8	N/A	N/A

Shasta Lake-Lake Blvd

Siting Information

Site Name: Shasta Lake - Lake Blvd	Audit Date: 2011-05-18	ARB Number: 47875	AIRS Number: 060890009
Address: 13791 Lake Blvd. Shasta Lake, CA 96019	Latitude: N 40° 41' 21"	Longitude: W 122° 24' 8"	Elevation (m): 246
	Auditors: Laura Niles Ron Barros	Site Technician: John Waldrop	Site Phone:
Operating Agency: Shasta County AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: No Inside Temp: 22.3 Degrees Celsius	Traffic Description: Distance: 20 meters Count (Veh/Day): 0	Topography Site: Level	Predominant Wind Direction: North
		Region: Hilly	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: Shasta AQMD	Probe Clean: Yes
Non-vehicular Local Sources Description: Distance: 0 meters Direction:	Manifold Clean: Yes		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):		Urbanization: Rural	Cleaning Schedule: Annually
		Ground Cover: Roof	Autocalibrator Type: API 400
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Shasta Lake-Lake Blvd Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	819
POC	1
Data For Record?	Yes
Purpose	Unknown
Objective	Other
Scale	
Height Above Ground	4.7
Height Above Platform	0.9
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	5/2/2011
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	1/26/2011
Cal. Equipment Cert. Date	12/8/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	23.5

Shasta Lake-La Mesa

Siting Information

Site Name: Shasta Lake-La Mesa	Audit Date: 2011-05-18	ARB Number: 47873	AIRS Number: 060890008
Address: 4066 La Mesa Ave Shasta Lake, CA 96019	Latitude: N 40° 40' 37"	Longitude: W 122° 22' 21"	Elevation (m): 246
	Auditors: Laura Niles Ron Barros	Site Technician: John Waldrop	Site Phone:
Operating Agency: Shasta County AQMD		Site Report: Yes	Site Photos: No

General Siting Conditions

Station Temperature	Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic	Description: Residential Distance: 30 meters Count (Veh/Day): 500	Topography	Site: hilly Region: hilly	Predominant Wind Direction: South
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: N/A
Meteorology	Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Approved: Yes Agency: CARB Urbanization: Suburban Ground Cover: Roof	Manifold Clean: N/A
						Cleaning Schedule: N/A
						Autocalibrator Type: N/A
						Site Survey Complete: Yes
						Logbook Up To Date: Yes

Shasta Lake-La Mesa Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	SA 1200
Serial Number	47873
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	
Height Above Ground	5.5
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	No
Calibration Date	6/16/2010
Cal. Equipment Cert. Date	Not Available
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

(Solano County)

Vacaville-Merchant Street

Siting Information

Site Name: Vacaville-Merchant Street	Audit Date: 2010-04-07	ARB Number: 48881	AIRS Number: 060953001
Address: 650 Merchant St Vacaville, CA 95688	Latitude: N 38° 21' 5"	Longitude: W 121° 59' 38"	Elevation (m): 57
	Auditors: Leena Janda Hien Tran	Site Technician: Mike Breuning	Site Phone:
Operating Agency: Yolo-Solano AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Residential Distance: 30 meters Count (Veh/Day): 1000	Topography Site: Level Region: Level	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: Yolo-Solano AQMD	Cleaning Schedule: N/A		
Urbanization: City Center	Autocalibrator Type: N/A		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Vacaville-Merchant Street Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Sierra Andersen 1200
Serial Number	L-0087
POC	2
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	9.5
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	2/10/2010
Cal. Equipment Cert. Date	1/20/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	

Vacaville-Ulatis Drive

Siting Information

Site Name: Vacaville-Ulatis Drive	Audit Date: 2010-04-07	ARB Number: 48884	AIRS Number: 060953003
Address: 2012 Ulatis Drive Vacaville, CA 95687	Latitude: N 38° 21' 24"	Longitude: W 121° 57' 0"	Elevation (m): 33
	Auditors: Leena Janda Hien Tran	Site Technician: Mike Breuning	Site Phone:
Operating Agency: Yolo-Solano AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Residential Distance: 20 meters Count (Veh/Day): 100	Topography Site: Level	Predominant Wind Direction: West
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: YSCAPCD	Probe Clean: Yes
Urbanization: Suburban	Manifold Clean: N/A		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Natural	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Ground Cover: Grass	Cleaning Schedule: Quarterly
			Autocalibrator Type: API 401
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Vacaville-Ulatis Drive Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	L-1061
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	Urban scale
Height Above Ground	6
Height Above Platform	3
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	4/5/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	3/26/2010
Cal. Equipment Cert. Date	7/30/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Residential
Residence Time (sec)	3.3

(Sutter County)

Sutter Buttes-S Buttes

Siting Information

Site Name: Sutter Buttes (seasonal)	Audit Date: 2010-09-29	ARB Number: 51899	AIRS Number: 061010004
Address: Top of South Butte Sutter Buttes, CA	Latitude: N 39° 12' 20"	Longitude: W 121° 49' 14"	Elevation (m): 640
	Auditors: Leena Janda Eric Burton	Site Technician: Rick Rigsby	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 200 meters Count (Veh/Day): 2	Topography Site: Hilly Region: Mountainous	Predominant Wind Direction: North
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: Ag burn Distance: 300 meters Direction: 360	QA Manual Approved: Yes Agency: CARB Urbanization: Remote Ground Cover: Grass	Manifold Clean: Yes
			Cleaning Schedule: Annually
			Autocalibrator Type: API 400 AMX-IZS
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Sutter Buttes-S Buttes Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20004810
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	4.6
Height Above Platform	0.5
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	9/27/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	6/22/2010
Cal. Equipment Cert. Date	5/12/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Agriculture
Residence Time (sec)	5.6

Yuba City-Almond Street

Siting Information

Site Name: Yuba City	Audit Date: 2010-06-10	ARB Number: 51898	AIRS Number: 061010003
Address: 773 Almond St Yuba City, CA 95991	Latitude: N 39° 8' 20"	Longitude: W 121° 37' 9"	Elevation (m): 18
	Auditors: Chris Deidrick Eric Burton	Site Technician: Rick Rigsby	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Commercial Distance: 75 meters Count (Veh/Day): 10000	Topography Site: Level	Predominant Wind Direction: Southwest
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: CARB	Probe Clean: Yes
Urbanization: Suburban	Manifold Clean: Yes		
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345.5 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Ground Cover: Roof	Cleaning Schedule: Semi-annually
			Autocalibrator Type: Environics 9100
			Site Survey Complete: Yes
			Logbook Up To Date: No

Yuba City-Almond Street Monitor Information

Monitor Type	Nitrogen Dioxide	Ozone	PM10-SSI	BAM-PM2.5	PM2.5
Manufacturer/Model	API 200E	API/Teledyne 400	Anderson 1200	BAM 1020	R&P 2025
Serial Number	20072331	20020997	20015117	20021148	20020970
POC	1	1	1	3	1
Data For Record?	Yes	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Other	SLAMS	SLAMS
Objective	UNKNOWN	UNKNOWN	UNKNOWN	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Null				Neighborhood
Height Above Ground	8	8	6	6	6
Height Above Platform	2	2	1.5	1.5	1.5
Sampler Spacing	N/A	N/A		2	2
Current Manual Available?	Yes	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes	Yes
In-line Filter Change Date	6/28/2010	6/28/2010	N/A	N/A	N/A
Cal. Gas Cert. Date	2/11/2010	N/A	N/A	N/A	N/A
Calibration Current?	Yes	Yes	Yes	Yes	Yes
Calibration Date	6/16/2010	6/16/2010	8/6/2009	12/14/2009	12/14/2009
Cal. Equipment Cert. Date	3/2/2010	3/2/2010	4/15/2009	4/13/2009	4/13/2009
Obstacle Description	None	None	None	None	None
Distance to Obstacle	-	-	-	-	-
Obs. Height Above Inlet	-	-	-	-	-
Distance to Walls, etc.	-	-	-	-	-
Distance to Dripline	-	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)	18.8	16.1	N/A	N/A	N/A

(Tehama County)

Red Bluff-Main Street

Siting Information

Site Name: Red Bluff - Main Street	Audit Date: 2010-06-07	ARB Number: 52902	AIRS Number: 061030006
Address: 310 N. Main Street Red Bluff, CA 96080	Latitude: N 40° 10' 04"	Longitude: W 122° 13' 35"	Elevation (m): 81m
	Auditors: Chris Deidrick Eric Burton	Site Technician: Joe Sunday	Site Phone:
Operating Agency: Tehama County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Freeway Distance: 250 meters Count (Veh/Day): 28000	Topography Site: Level	Predominant Wind Direction: North
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: CARB	Probe Clean: N/A
Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural):	Non-vehicular Local Sources Description: Distance: 0 meters Direction:		Manifold Clean: N/A
			Cleaning Schedule: N/A
			Autocalibrator Type: N/A
		Urbanization: Suburban	Site Survey Complete: Yes
		Ground Cover: Roof	Logbook Up To Date: Yes

Red Bluff-Main Street Monitor Information

Monitor Type	BAM-PM2.5
Manufacturer/Model	BAM 1020
Serial Number	22692
POC	1
Data For Record?	Yes
Purpose	Unknown
Objective	UNKNOWN
Scale	
Height Above Ground	
Height Above Platform	
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/4/2010
Cal. Equipment Cert. Date	4/2/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Residential
Residence Time (sec)	N/A

Red Bluff-Oak Street

Siting Information

Site Name: Red Bluff-Oak Street	Audit Date: 2010-06-07	ARB Number: 52911	AIRS Number: 061030005
Address: 502 Oak St Red Bluff, CA 96080	Latitude: N 40° 10' 33"	Longitude: W 122° 14' 13"	Elevation (m): 98
	Auditors: Eric Burton Chris Deidrick	Site Technician: Joe Sunday	Site Phone:
Operating Agency: Tehama County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature	Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic	Description: Arterial Distance: 30 meters Count (Veh/Day): 7900	Topography	Predominant Wind Direction: North	
					Site: level	Arc Air Flow (Deg): 360 Degrees
					Region: level	Probe Clean: Yes
Meteorology	Located With Instruments: No Shadowing: No Boom Orientation (Deg): n/a Temp(Motor/Natural):	Non-vehicular Local Sources	Description: None Distance: N/A Direction: N/A	QA Manual	Manifold Clean: Yes	
				Approved: Yes	Cleaning Schedule: Semi Annually	
				Agency: CARB	Autocalibrator Type: Teledyne 400e	
				Urbanization: City Center	Site Survey Complete: Yes	
				Ground Cover: Roof	Logbook Up To Date: Yes	

Red Bluff-Oak Street Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	23688
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	POPULATION EXPOSURE
Scale	Neighborhood
Height Above Ground	13
Height Above Platform	3
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	5/11/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/4/2010
Cal. Equipment Cert. Date	3/2/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	12.6

Red Bluff-Messer Drive

Siting Information

Site Name: Red Bluff-Messer Drive	Audit Date: 2010-06-07	ARB Number: 52901	AIRS Number: 061030002
Address: Messer Dr Red Bluff, CA	Latitude: N 40° 9' 44"	Longitude: W 122° 13' 17"	Elevation (m): 88
	Auditors: Chris Deidrick Eric Burton	Site Technician: Joe Sunday	Site Phone:
Operating Agency: Tehama County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Freeway Distance: 250 meters Count (Veh/Day): 28000	Topography Site: Level Region: Level	Predominant Wind Direction: North
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): n/a Temp(Motor/Natural):	Non-vehicular Local Sources Description: Sewage Plant Distance: 0 meters Direction: N-E-S-W
Approved: Yes	Manifold Clean: N/A		
Agency: CARB	Cleaning Schedule: N/A		
Urbanization: Suburban	Autocalibrator Type: N/A		
Ground Cover: Roof	Site Survey Complete: Yes		
			Logbook Up To Date: Yes

Red Bluff-Messer Drive Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Sierra Anderson 1200
Serial Number	20005078
POC	2
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	6
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	N/A
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	5/19/2010
Cal. Equipment Cert. Date	10/23/2009
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	N/A

Tuscan Butte

Siting Information

Site Name: Tuscan Butte (seasonal)	Audit Date: 2010-09-29	ARB Number: 52910	AIRS Number: 061030004
Address: Fire Lookout Atop Tuscan Butte Tuscan Butte, CA	Latitude: N 40° 15' 44"	Longitude: W 122° 5' 34"	Elevation (m): 572
	Auditors: Hien Tran Patrick Rainey	Site Technician: Bob Land	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 24.6 Degrees Celsius	Traffic Description: Rural Distance: 5 meters Count (Veh/Day): 2	Topography Site: Mountainous Region: Hilly	Predominant Wind Direction: Southeast
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 345 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: Yes		
Agency: ARB	Cleaning Schedule: Annually		
Urbanization: Remote	Autocalibrator Type: API 400-IZS		
		Ground Cover: Dirt	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Tuscan Butte Monitor Information

Monitor Type	Ozone
Manufacturer/Model	API/Teledyne 400
Serial Number	20060135
POC	1
Data For Record?	Yes
Purpose	Other
Objective	UNKNOWN
Scale	
Height Above Ground	5
Height Above Platform	1
Sampler Spacing	N/A
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	9/22/2010
Cal. Gas Cert. Date	N/A
Calibration Current?	Yes
Calibration Date	4/22/2010
Cal. Equipment Cert. Date	3/2/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Agriculture
Residence Time (sec)	5.2

(Yolo County)

Davis-UCD Campus

Siting Information

Site Name: Davis-UCD Campus	Audit Date: 2010-06-02	ARB Number: 57577	AIRS Number: 061130004
Address: Campbell Rd Davis, CA 95616	Latitude: N 38° 32' 5"	Longitude: W 121° 46' 25"	Elevation (m): 25
	Auditors: Patrick Rainey Hien Tran	Site Technician: John Latham	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 24.5 Degrees Celsius	Traffic Description: Freeway Distance: 400 meters Count (Veh/Day): 450000	Topography Site: Level Region: Level	Predominant Wind Direction: Southwest
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: agriculture Distance: 10 meters Direction: S
Approved: Yes	Manifold Clean: Yes		
Agency: CARB	Cleaning Schedule: Annually		
Urbanization: Rural	Autocalibrator Type: Environics 9100		
		Ground Cover: Dirt	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Davis-UCD Campus Monitor Information

Monitor Type	Nitrogen Dioxide	Ozone	BAM-PM2.5
Manufacturer/Model	API 200E	API/Teledyne 400	Met One BAM 1020
Serial Number	20072329	20060147	20021414
POC	1	1	3
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Unknown
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE	POPULATION EXPOSURE
Scale	Null		
Height Above Ground	5	5	5.7
Height Above Platform	1.5	1.5	1.7
Sampler Spacing	N/A	N/A	
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	5/25/2010	5/25/2010	N/A
Cal. Gas Cert. Date	10/3/2008	N/A	N/A
Calibration Current?	No	Yes	Yes
Calibration Date	4/12/2010	4/12/2010	6/10/2009
Cal. Equipment Cert. Date	1/21/2010	1/21/2010	5/29/2009
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Agriculture	Agriculture	Agriculture
Residence Time (sec)	15.1	14.3	N/A

West Sacramento-15th Street

Siting Information

Site Name: West Sacramento-15th Street	Audit Date: 2010-04-06	ARB Number: 57570	AIRS Number: 061132001
Address: 132 W. 15th St West Sacramento, CA 95691	Latitude: N 38° 34' 17"	Longitude: W 121° 31' 33"	Elevation (m): 7
	Auditors: Patrick Rainey Hien Tran	Site Technician: Mike Breuning	Site Phone:
Operating Agency: Yolo-Solano AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: No Recorded: No Inside Temp: 0 Degrees Celsius	Traffic Description: Arterial Distance: 3500 meters Count (Veh/Day): 26500	Topography Site: Level Region: Level	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: No Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural):	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Approved: Yes	Manifold Clean: N/A		
Agency: Yolo-Solano AQMD	Cleaning Schedule: N/A		
Urbanization: Suburban	Autocalibrator Type: N/A		
		Ground Cover: Roof	Site Survey Complete: Yes
			Logbook Up To Date: No

West Sacramento-15th Street Monitor Information

Monitor Type	PM10-SSI
Manufacturer/Model	Anderson 1200
Serial Number	L-0088
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	UNKNOWN
Scale	
Height Above Ground	4.5
Height Above Platform	1.5
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	No
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	3/25/2010
Cal. Equipment Cert. Date	1/20/2010
Obstacle Description	None
Distance to Obstacle	-
Obs. Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	Vehicular
Residence Time (sec)	

Woodland-Gibson Road

Siting Information

Site Name: Woodland-Gibson Road	Audit Date: 2010-04-06	ARB Number: 57582	AIRS Number: 061131003
Address: 41929 E Gibson Rd Woodland, CA 95776	Latitude: N 38° 39' 41"	Longitude: W 121° 43' 58"	Elevation (m): 11
	Auditors: Patrick Rainey Merrin Wright	Site Technician: Mike Breuning	Site Phone:
Operating Agency: Yolo-Solano AQMD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature		Traffic		Topography		Predominant Wind Direction: West
						Arc Air Flow (Deg): 360 Degrees
						Probe Clean: Yes
Meteorology		Non-vehicular Local Sources		QA Manual		Manifold Clean: N/A
						Cleaning Schedule: Semi Annually
						Autocalibrator Type: API 401
						Site Survey Complete: Yes
						Logbook Up To Date: Yes
Controlled: Yes	Description: Arterial	Site: Level	Region: Level	Approved: Yes	Agency: Yolo-Solano APCD	
Recorded: Yes	Distance: 150 meters			Urbanization: Suburban		
Inside Temp: 18 Degrees Celsius	Count (Veh/Day): 17000			Ground Cover: Grass		
Located With Instruments: Yes	Description: None					
Shadowing: No	Distance: N/A					
Boom Orientation (Deg): N/A	Direction: N/A					
Temp(Motor/Natural): Natural						

Woodland-Gibson Road Monitor Information

Monitor Type	Ozone	PM10-SSI	PM2.5
Manufacturer/Model	API/Teledyne 400	Andersen 1200	Partisol Plus 2025
Serial Number	L-1062	L-0077	20020955
POC	1	1	1
Data For Record?	Yes	Yes	Yes
Purpose	SLAMS	Other	SLAMS
Objective	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale			Neighborhood
Height Above Ground	3.6	2.8	2.2
Height Above Platform	1.1	1.4	1.5
Sampler Spacing	N/A	N/A	
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	3/30/2010	Not Available	N/A
Cal. Gas Cert. Date	N/A	Not Available	N/A
Calibration Current?	Yes	Yes	Yes
Calibration Date	3/31/2010	3/24/2010	12/31/2009
Cal. Equipment Cert. Date	5/11/2009	1/20/2010	2/2/2009
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Obs. Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular
Residence Time (sec)	5.9		N/A

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APPENDIX E

Additional Monitor Information

Parameter Name = Parameter Measured

PM2.5 = 88101

PM10 = 81102

O3 = 44201

CO = 42101

NO2 = 42602

SO2 = 42401

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AIR QUALITY SYSTEM

MONITOR DESCRIPTION REPORT

Monitor ID: 06-057-0007-44201-1 Parameter Measured: 44201
Street Address: 26533 STATE HWY 20, WHITE CLOUD MTN
Site Name: LOCATED ON EDGE OF U.S. FOREST SERVICE CAMPGROUND. CBSA: Truckee-Grass Valley, CA
Monitor Type Begin Date End Date Action Type Action Reason
OTHER 19950601

Monitor ID: 06-063-1009-88101-1 Parameter Measured: 88101
Street Address: 161 NEVADA ST, PORTOLA, CA 96122
Site Name: LOCATED ON ROOF OF SMALL COUNTY COURT ROOM. CBSA:
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 20000321

Monitor ID: 06-113-1003-81102-1 Parameter Measured: 81102
Street Address: 41929 E. GIBSON ROAD, WOODLAND
Site Name: 41929 E. GIBSON ROAD, WOODLAND CBSA: Sacramento--Arden-Arcade--Roseville, CA
Monitor Type Begin Date End Date Action Type Action Reason
OTHER 19981026

Monitor ID: 06-093-2001-88101-1 Parameter Measured: 88101
Street Address: 528 FOOTHILL DR., YREKA
Site Name: CBSA:
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 20050501 20061231
SLAMS 20080821

Monitor ID:	06-045-2002-88101-3	Parameter Measured:	88101	
Street Address:	125 EAST COMMERCIAL STREET, WILLITS, CA 95490			
Site Name:	WILLITS-125 E. COMMERCIAL STREET	CBSA:	Ukiah, CA	
Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20090915			

Monitor ID:	06-005-0002-44201-1	Parameter Measured:	44201	
Street Address:	201 CLINTON ROAD, JACKSON, CA 95642			
Site Name:		CBSA:		
Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19920501			

Monitor ID:	06-007-0002-42101-1	Parameter Measured:	42101	
Street Address:	468 MANZANITA AVE, CHICO			
Site Name:		CBSA:	Chico, CA	
Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19810101			
UNKNOWN	19790101	19801231		

Monitor ID:	06-029-0015-88101-1	Parameter Measured:	88101	
Street Address:	100 WEST CALIFORNIA AVE, RIDGECREST, CA			
Site Name:	LOCATED AT CITY HALL EMPLOYEES PARKING LOT	CBSA:	Bakersfield, CA	
Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19990601			

Monitor ID:	06-101-0004-44201-1	Parameter Measured:	44201	
Street Address:	TOP OF SOUTH BUTTE,SUTTER BUTTES, CA			
Site Name:	LOCATED AT TELECOMMUNICATION BUILDING #1, TOP OF SOUTH BUTTE.	CBSA:	Yuba City, CA	
Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	19930501			

Monitor ID:	06-017-0011-81102-4	Parameter Measured:	81102	
Street Address:	3337 SANDY WAY, SOUTH LAKE TAHOE, CA			
Site Name:	LOCATED APPROX 2 TO 3 BLOCKS SOUTH OF THE LAKE'S SHORELINE.	CBSA:	Sacramento--Arden-Arcade--Roseville, CA	
Monitor Type	Begin Date	End Date	Action Type	Action Reason

Monitor ID:	06-103-0002-81102-2	Parameter Measured:	81102
Street Address:	MESSER DRIVE, RED BLUFF		
Site Name:	CBSA: Red Bluff, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19880101		Action Reason

Monitor ID:	06-061-0006-81102-1	Parameter Measured:	81102
Street Address:	151 NO SUNRISE BLVD, ROSEVILLE, CA		
Site Name:	LOCATED IN 1-STORY BUILDING IN PLACER TOWN & COUNTRY SHOPPING CTR		CBSA: Sacramento--Arden-Arcade--Roseville, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19930113		Action Reason

Monitor ID:	06-113-0004-42602-1	Parameter Measured:	42602
Street Address:	UC DAVIS-CAMPUS, DAVIS		
Site Name:	CBSA: Sacramento--Arden-Arcade--Roseville, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19960521		Action Reason

Monitor ID:	06-045-0006-88101-3	Parameter Measured:	88101
Street Address:	LIBRARY-105 N MAIN ST, UKIAH		
Site Name:	CBSA: Ukiah, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	20081231		Action Reason

Monitor ID:	06-045-0008-42101-1	Parameter Measured:	42101
Street Address:	306 E. GOBBI STREET, UKIAH, CA		
Site Name:	CBSA: Ukiah, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19920801		Action Reason

Monitor ID:	06-017-0013-44201-1	Parameter Measured:	44201
Street Address:	1901 AIRPORT ROAD		
Site Name:	CBSA: Sacramento--Arden-Arcade--Roseville, CA		
Monitor Type	Begin Date	End Date	Action Type
SPECIAL PURPOSE	20050601	20051031	Action Reason
SPECIAL PURPOSE	20060523		

Monitor ID: 06-011-1002-88101-1 Parameter Measured: 88101
 Street Address: 100 SUNRISE BLVD., COLUSA
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19981216

Monitor ID: 06-063-1006-88101-1 Parameter Measured: 88101
 Street Address: 267 N. CHURCH ST., QUINCY, CA. 95971
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19990326

Monitor ID: 06-097-3002-81102-1 Parameter Measured: 81102
 Street Address: CHURCH AND FIRST STREETS, GUERNEVILLE CA
 Site Name: CBSA: Santa Rosa-Petaluma, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19900401

Monitor ID: 06-057-1001-88101-1 Parameter Measured: 88101
 Street Address: FS-10049 DONNER PASS RD, TRUCKEE
 Site Name: CBSA: Truckee-Grass Valley, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19990331

Monitor ID: 06-061-0002-44201-1 Parameter Measured: 44201
 Street Address: DEWITT-108 'C' AVE, AUBURN
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19810101
 UNKNOWN 19800101 19801231

Monitor ID: 06-061-0006-42602-1 Parameter Measured: 42602
 Street Address: 151 NO SUNRISE BLVD, ROSEVILLE, CA
 Site Name: LOCATED IN 1-STORY BUILDING IN PLACER TOWN & COUNTRY SHOPPING CTR CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19930113

Monitor ID:	06-043-1001-81102-2	Parameter Measured:	81102
Street Address:	VISITOR CTR-YOSEMITE VILLAGE,YOSEMITE NP		
Site Name:	CBSA:		
Monitor Type	Begin Date	End Date	Action Type
UNKNOWN	19890128		
Monitor ID:	06-045-0002-81102-2	Parameter Measured:	81102
Street Address:	416 N. FRANKLIN ST., FORT BRAGG		
Site Name:	CBSA: Ukiah, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	20090101		
Monitor ID:	06-045-0006-88101-1	Parameter Measured:	88101
Street Address:	LIBRARY-105 N MAIN ST, UKIAH		
Site Name:	CBSA: Ukiah, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19990101		
Monitor ID:	06-029-0008-44201-1	Parameter Measured:	44201
Street Address:	SCHOOL-755 STANISLAUS ST, MARICOPA		
Site Name:	CBSA: Bakersfield, CA		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19880101		
Monitor ID:	06-089-0007-81102-1	Parameter Measured:	81102
Street Address:	2220 NORTH STREET, ANDERSON, CA 96007		
Site Name:	LOCATED AT CITY POLICE DEPARTMENT.	CBSA:	Redding, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19930501		
Monitor ID:	06-093-2001-44201-1	Parameter Measured:	44201
Street Address:	528 FOOTHILL DR., YREKA		
Site Name:	CBSA:		
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19810101		
Monitor ID:	06-029-0017-81102-1	Parameter Measured:	81102
Street Address:	3147 Highway 178, Canebrake		
Site Name:	CBSA: Bakersfield, CA		
Monitor Type	Begin Date	End Date	Action Type
NON-REGULATORY	20090101		

Monitor ID: 06-011-1002-81102-2 Parameter Measured: 81102
 Street Address: 100 SUNRISE BLVD., COLUSA
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19880501

Monitor ID: 06-017-0012-44201-1 Parameter Measured: 44201
 Street Address: 21200 HWY 50 -LITTLE NORWAY/ECHO SUMMIT
 Site Name: LITTLE NORWAY / ECHO SUMMIT CBSA: Sacramento--Arden-Arcade--Roseville, CA
 County: El Dorado UAR: Not in an urban area
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 20000101 20051031
 SPECIAL PURPOSE 20060507

Monitor ID: 06-101-0003-81102-1 Parameter Measured: 81102
 Street Address: 773 ALMOND ST, YUBA CITY
 Site Name: CBSA: Yuba City, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 19891201

Monitor ID: 06-007-0002-42602-1 Parameter Measured: 42602
 Street Address: 468 MANZANITA AVE, CHICO
 Site Name: CBSA: Chico, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19810101
 UNKNOWN 19790101 19801231

Monitor ID: 06-097-0001-81102-2 Parameter Measured: 81102
 Street Address: 100 WASHINGTON ST., CLOVERDALE
 Site Name: CBSA: Santa Rosa-Petaluma, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19900101

Monitor ID: 06-017-0020-44201-1 Parameter Measured: 44201
 Street Address: 1400 AMERICAN RIVER TRAIL, COOL
 Site Name: 3/4 MILES EAST OF COOL ON HWY 196 CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 19960601

Monitor ID: 06-061-0002-81102-2 Parameter Measured: 81102
 Street Address: DEWITT-108 'C' AVE, AUBURN
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19950101

Monitor ID: 06-089-0004-81102-2 Parameter Measured: 81102
 Street Address: HLTH CTR-2630 HOSPITAL LN, REDDING
 Site Name: CBSA: Redding, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19880101

Monitor ID: 06-043-0003-42401-1 Parameter Measured: 42401
 Street Address: TURTLEBACK DOME, YOSEMITE NATL' PK 95389
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 IMPROVE 19880309

Monitor ID: 06-089-3003-42401-1 Parameter Measured: 42401
 Street Address: MANZANITA LAKE RS, LASSEN VOLCANIC NP
 Site Name: CBSA: Redding, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 IMPROVE 19880302

Monitor ID: 06-095-3003-44201-1 Parameter Measured: 44201
 Street Address: 2012 ULATIS DRIVE, VACAVILLE
 Site Name: GROUND IN SHELTER CBSA: Vallejo-Fairfield, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20030721

Monitor ID: 06-021-0003-44201-1 Parameter Measured: 44201
 Street Address: 720 N COLUSA STREET, WILLOWS
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20060913

Monitor ID: 06-089-0009-44201-1 Parameter Measured: 44201
 Street Address: 13791 Lake Blvd, Shasta Lake, CA
 Site Name: CBSA: Redding, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20090401

Monitor ID: 06-007-0007-44201-1 Parameter Measured: 44201
 Street Address: 4405 AIRPORT RD-PARADISE CA
 Site Name: TEMPORARY STATION FOR SPECIAL STUDY OF O3 TRANSPORT CBSA: Chico, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
UNKNOWN	20000501			

Monitor ID: 06-089-0008-81102-1 Parameter Measured: 81102
 Street Address: 4066 LA MESA AVE., SHASTA LAKE
 Site Name: CBSA: Redding, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20040101			

Monitor ID: 06-029-0011-44201-1 Parameter Measured: 44201
 Street Address: 923 POOLE STREET, MOJAVE, CA 93501
 Site Name: LOCATED 0.33 MILE NORTH OF HWY 58 & 1.7 MILES EAST OF SIERRA HWY. CBSA: Bakersfield, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	19930801			
SLAMS	19930701	19930731		

Monitor ID: 06-009-0001-81102-1 Parameter Measured: 81102
 Street Address: 501 GOLD STRIKE ROAD, SAN ANDREAS
 Site Name: LOCATED 3/4 MILE NORTHEAST OF HIGHWAY 49 CBSA:

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19940401			

Monitor ID: 06-017-0010-44201-1 Parameter Measured: 44201
 Street Address: 3111 GOLD NUGGET WAY, PLACERVILLE, CA
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19920201			

Monitor ID: 06-057-0005-42602-1 Parameter Measured: 42602
 Street Address: 200 LITTON DR., GRASS VALLEY, CA
 Site Name: LOCATED ON TOP OF HILL ADJACENT TO NEVADA UNION HI SCHOOL. CBSA: Truckee-Grass Valley, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SPECIAL PURPOSE	20080122			

Monitor ID: 06-057-0005-88101-1 Parameter Measured: 88101
 Street Address: 200 LITTON DR., GRASS VALLEY, CA
 Site Name: LOCATED ON TOP OF HILL ADJACENT TO NEVADA UNION HI SCHOOL. CBSA: Truckee-Grass Valley, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19981230			

Monitor ID: 06-057-1001-88101-2 Parameter Measured: 88101
 Street Address: FS-10049 DONNER PASS RD, TRUCKEE
 Site Name: CBSA: Truckee-Grass Valley, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19990512			

Monitor ID: 06-109-0005-44201-1 Parameter Measured: 44201
 Street Address: 251 S BARRETTA, SONORA, CA 95370
 Site Name: CBSA: Phoenix Lake-Cedar Ridge, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19920701			

Monitor ID: 06-113-0004-44201-1 Parameter Measured: 44201
 Street Address: UC DAVIS-CAMPUS, DAVIS
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19870901			

Monitor ID: 06-113-1003-88101-1 Parameter Measured: 88101
 Street Address: 41929 E. GIBSON ROAD, WOODLAND
 Site Name: 41929 E. GIBSON ROAD, WOODLAND CBSA: Sacramento--Arden-Arcade--Roseville, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19990109			

Monitor ID: 06-043-0003-44201-1 Parameter Measured: 44201
 Street Address: TURTLEBACK DOME, YOSEMITE NATL' PK 95389
 Site Name: CBSA:

Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	19881101			

Monitor ID: 06-045-0008-42602-1 Parameter Measured: 42602
 Street Address: 306 E. GOBBI STREET, UKIAH, CA
 Site Name: CBSA: Ukiah, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19920801

Monitor ID: 06-101-0003-88101-1 Parameter Measured: 88101
 Street Address: 773 ALMOND ST, YUBA CITY
 Site Name: CBSA: Yuba City, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19981219

Monitor ID: 06-101-0003-44201-1 Parameter Measured: 44201
 Street Address: 773 ALMOND ST, YUBA CITY
 Site Name: CBSA: Yuba City, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19891001

Monitor ID: 06-101-0003-42602-1 Parameter Measured: 42602
 Street Address: 773 ALMOND ST, YUBA CITY
 Site Name: CBSA: Yuba City, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19891001

Monitor ID: 06-029-0011-81102-1 Parameter Measured: 81102
 Street Address: 923 POOLE STREET, MOJAVE, CA 93501
 Site Name: LOCATED 0.33 MILE NORTH OF HWY 58 & 1.7 MILES EAST OF SIERRA HWY. CBSA: Bakersfield, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 19940201

Monitor ID: 06-007-0002-44201-1 Parameter Measured: 44201
 Street Address: 468 MANZANITA AVE, CHICO
 Site Name: CBSA: Chico, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19810101
 UNKNOWN 19790101 19801231

Monitor ID:	06-009-0001-88101-3	Parameter Measured:	88101
Street Address:	501 GOLD STRIKE ROAD, SAN ANDREAS		
Site Name:	LOCATED 3/4 MILE NORTHEAST OF HIGHWAY 49	CBSA:	
Monitor Type	Begin Date	End Date	Action Type
SLAMS	20100615		Action Reason
Monitor ID:	06-097-1003-44201-1	Parameter Measured:	44201
Street Address:	AIRPORT-200A HEIDELBERG WAY, HEALDSBURG		
Site Name:		CBSA:	Santa Rosa-Petaluma, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19910601		Action Reason
Monitor ID:	06-103-0005-44201-1	Parameter Measured:	44201
Street Address:	502 OAK STREET, RED BLUFF		
Site Name:	TEHAMA COUNTY SHERIFF'S OFFICE, BUSINESS DISTRICT IN TOWN	CBSA:	Red Bluff, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19960201		Action Reason
Monitor ID:	06-061-0006-12128-7	Parameter Measured:	12128
Street Address:	151 NO SUNRISE BLVD, ROSEVILLE, CA		
Site Name:	LOCATED IN 1-STORY BUILDING IN PLACER TOWN & COUNTRY SHOPPING CTR	CBSA:	Sacramento--Arden-Arcade--Roseville, CA
Monitor Type	Begin Date	End Date	Action Type
NON-REGULATORY	20070101		Action Reason
OTHER	19930320	20030228	
Monitor ID:	06-089-0004-88101-1	Parameter Measured:	88101
Street Address:	HLTH CTR-2630 HOSPITAL LN, REDDING		
Site Name:		CBSA:	Redding, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19981219		Action Reason
Monitor ID:	06-089-0004-44201-1	Parameter Measured:	44201
Street Address:	HLTH CTR-2630 HOSPITAL LN, REDDING		
Site Name:		CBSA:	Redding, CA
Monitor Type	Begin Date	End Date	Action Type
SLAMS	19900501		Action Reason
Monitor ID:	06-043-0006-44201-1	Parameter Measured:	44201
Street Address:	6440 JERSEYDALE ROAD, JERSEYDALE		
Site Name:	JERSEYDALE SUMMER OZONE SITE	CBSA:	
Monitor Type	Begin Date	End Date	Action Type
			Action Reason

OTHER 19950701

Monitor ID: 06-045-0008-44201-1 Parameter Measured: 44201
Street Address: 306 E. GOBBI STREET, UKIAH, CA
Site Name: CBSA: Ukiah, CA
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 19920801

Monitor ID: 06-089-0007-44201-1 Parameter Measured: 44201
Street Address: 2220 NORTH STREET, ANDERSON, CA 96007
Site Name: LOCATED AT CITY POLICE DEPARTMENT. CBSA: Redding, CA
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 19930501

Monitor ID: 06-095-3001-81102-2 Parameter Measured: 81102
Street Address: 650 MERCHANT ST., VACAVILLE
Site Name: CBSA: Vallejo-Fairfield, CA
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 19880101

Monitor ID: 06-021-0003-81102-1 Parameter Measured: 81102
Street Address: 720 N COLUSA STREET, WILLOWS
Site Name: CBSA:
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 20060914

Monitor ID: 06-007-0002-88101-1 Parameter Measured: 88101
Street Address: 468 MANZANITA AVE, CHICO
Site Name: CBSA: Chico, CA
Monitor Type Begin Date End Date Action Type Action Reason
SLAMS 19981219

Monitor ID: 06-007-0002-12128-7 Parameter Measured: 12128
Street Address: 468 MANZANITA AVE, CHICO
Site Name: CBSA: Chico, CA
Monitor Type Begin Date End Date Action Type Action Reason
NON-REGULATORY 20070101
OTHER 19920629 20030228

Monitor ID: 06-029-0015-81102-1 Parameter Measured: 81102
 Street Address: 100 WEST CALIFORNIA AVE, RIDGECREST, CA
 Site Name: LOCATED AT CITY HALL EMPLOYEES PARKING LOT CBSA: Bakersfield, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20000101

Monitor ID: 06-097-0002-81102-2 Parameter Measured: 81102
 Street Address: 133 MATHESON ST., HEALDSBURG
 Site Name: CBSA: Santa Rosa-Petaluma, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19880521

Monitor ID: 06-057-1001-44201-1 Parameter Measured: 44201
 Street Address: FS-10049 DONNER PASS RD, TRUCKEE
 Site Name: CBSA: Truckee-Grass Valley, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19911101

Monitor ID: 06-061-0004-44201-1 Parameter Measured: 44201
 Street Address: CITY HALL-33 S MAIN ST, COLFAX
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19920101

Monitor ID: 06-061-0006-88101-1 Parameter Measured: 88101
 Street Address: 151 NO SUNRISE BLVD, ROSEVILLE, CA
 Site Name: LOCATED IN 1-STORY BUILDING IN PLACER TOWN & COUNTRY SHOPPING CTR CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19981231

Monitor ID: 06-061-0006-44201-1 Parameter Measured: 44201
 Street Address: 151 NO SUNRISE BLVD, ROSEVILLE, CA
 Site Name: LOCATED IN 1-STORY BUILDING IN PLACER TOWN & COUNTRY SHOPPING CTR CBSA: Sacramento--Arden-Arcade--Roseville, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19930113

Monitor ID: 06-089-3003-44201-1 Parameter Measured: 44201
 Street Address: MANZANITA LAKE RS, LASSEN VOLCANIC NP
 Site Name: CBSA: Redding, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 NON-EPA FEDERAL 19871101

Monitor ID: 06-011-1002-44201-1 Parameter Measured: 44201
 Street Address: 100 SUNRISE BLVD., COLUSA
 Site Name: CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 19960701

Monitor ID: 06-103-0006-88101-3 Parameter Measured: 88101
 Street Address: 310 S. MAIN STREET, RED BLUFF
 Site Name: RED BLUFF-310 S. MAIN STREET CBSA: Red Bluff, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20090101

Monitor ID: 06-029-0011-88101-1 Parameter Measured: 88101
 Street Address: 923 POOLE STREET, MOJAVE, CA 93501
 Site Name: LOCATED 0.33 MILE NORTH OF HWY 58 & 1.7 MILES EAST OF SIERRA HWY. CBSA: Bakersfield, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19990101

Monitor ID: 06-009-0001-44201-1 Parameter Measured: 44201
 Street Address: 501 GOLD STRIKE ROAD, SAN ANDREAS
 Site Name: LOCATED 3/4 MILE NORTHEAST OF HIGHWAY 49 CBSA:
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19940501

Monitor ID: 06-057-0005-44201-1 Parameter Measured: 44201
 Street Address: 200 LITTON DR., GRASS VALLEY, CA
 Site Name: LOCATED ON TOP OF HILL ADJACENT TO NEVADA UNION HI SCHOOL. CBSA: Truckee-Grass Valley, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19930601

Monitor ID: 06-103-0004-44201-1 Parameter Measured: 44201
 Street Address: OLD FIRE LOOKOUT ATOP TUSCAN BUTTE
 Site Name: OLD FIRE LOOKOUT ON TOP OF TUSCAN BUTTE. NO PUBLIC ACCESS. CBSA: Red Bluff, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	19950601			

Monitor ID: 06-113-1003-44201-1 Parameter Measured: 44201
 Street Address: 41929 E. GIBSON ROAD, WOODLAND
 Site Name: 41929 E. GIBSON ROAD, WOODLAND CBSA: Sacramento--Arden-Arcade--Roseville, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19980527			

Monitor ID: 06-113-2001-81102-1 Parameter Measured: 81102
 Street Address: 132 15TH ST., WEST SACRAMENTO
 Site Name: CBSA: Sacramento--Arden-Arcade--Roseville, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19900901			

Monitor ID: 06-089-3003-42401-2 Parameter Measured: 42401
 Street Address: MANZANITA LAKE RS, LASSEN VOLCANIC NP
 Site Name: CBSA: Redding, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
IMPROVE	20030301			

Monitor ID: 06-093-2001-81102-2 Parameter Measured: 81102
 Street Address: 528 FOOTHILL DR., YREKA
 Site Name: CBSA:

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19880101			

Monitor ID: 06-037-9033-42101-1 Parameter Measured: 42101
 Street Address: 43301 DIVISION ST., LANCASTER
 Site Name: CBSA: Los Angeles--Long Beach--Santa Ana, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20011101			

Monitor ID: 06-037-9033-42602-1 Parameter Measured: 42602
 Street Address: 43301 DIVISION ST., LANCASTER
 Site Name: CBSA: Los Angeles--Long Beach--Santa Ana, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20011101			

Monitor ID: 06-037-9033-44201-1 Parameter Measured: 44201
 Street Address: 43301 DIVISION ST., LANCASTER
 Site Name: CBSA: Los Angeles--Long Beach--Santa Ana, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20011101			

Monitor ID: 06-037-9033-81102-1 Parameter Measured: 81102
 Street Address: 43301 DIVISION ST., LANCASTER
 Site Name: CBSA: Los Angeles--Long Beach--Santa Ana, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20011101			

Monitor ID: 06-037-9033-88101-1 Parameter Measured: 88101
 Street Address: 43301 DIVISION ST., LANCASTER
 Site Name: CBSA: Los Angeles--Long Beach--Santa Ana, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20011101			

Monitor ID: 06-065-9003-44201-1 Parameter Measured: 44201
 Street Address: 495 W MURPHY STREET, BLYTHE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20010701			

Monitor ID: 06-071-0001-42101-1 Parameter Measured: 42101
 Street Address: 200 E. BUENA VISTA, BARSTOW
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19810101			

Monitor ID: 06-071-0001-42602-1 Parameter Measured: 42602
 Street Address: 200 E. BUENA VISTA, BARSTOW
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19810101			

Monitor ID: 06-071-0001-44201-1 Parameter Measured: 44201
 Street Address: 200 E. BUENA VISTA, BARSTOW
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19810101			

Monitor ID: 06-071-0001-81102-2 Parameter Measured: 81102
 Street Address: 200 E. BUENA VISTA, BARSTOW
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19880420			

Monitor ID: 06-071-0012-44201-1 Parameter Measured: 44201
 Street Address: BEEKLEY & PHELAN RDS, PHELAN
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19870701			

Monitor ID: 06-071-0013-81102-1 Parameter Measured: 81102
 Street Address: MIDDLE SCH-8560 ALIENTO, LUCERNE VALLEY
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	19890601			

Monitor ID: 06-071-0306-42101-1 Parameter Measured: 42101
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20000101			

Monitor ID: 06-071-0306-42401-1 Parameter Measured: 42401
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20000101			

Monitor ID: 06-071-0306-42602-1 Parameter Measured: 42602
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20000101			

Monitor ID: 06-071-0306-44201-1 Parameter Measured: 44201
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20000101			

Monitor ID: 06-071-0306-81102-1 Parameter Measured: 81102
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	20000401			

Monitor ID: 06-071-0306-81102-2 Parameter Measured: 81102
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
OTHER	20000401			

Monitor ID: 06-071-0306-88101-1 Parameter Measured: 88101
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20000101			

Monitor ID: 06-071-0306-88101-2 Parameter Measured: 88101
 Street Address: 14306 PARK AVE., VICTORVILLE, CA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 20000101

Monitor ID: 06-071-1234-42101-1 Parameter Measured: 42101
 Street Address: CORNER OF ATHOL AND TELESCOPE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19970401

Monitor ID: 06-071-1234-42602-1 Parameter Measured: 42602
 Street Address: CORNER OF ATHOL AND TELESCOPE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19970401

Monitor ID: 06-071-1234-44201-1 Parameter Measured: 44201
 Street Address: CORNER OF ATHOL AND TELESCOPE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19970401

Monitor ID: 06-071-1234-81102-1 Parameter Measured: 81102
 Street Address: CORNER OF ATHOL AND TELESCOPE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19970401

Monitor ID: 06-071-1234-81102-2 Parameter Measured: 81102
 Street Address: CORNER OF ATHOL AND TELESCOPE
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19970601

Monitor ID: 06-071-4001-44201-1 Parameter Measured: 44201
 Street Address: 17288 OLIVE ST., HESPERIA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 SLAMS 19800101

Monitor ID: 06-071-4001-81102-1 Parameter Measured: 81102
 Street Address: 17288 OLIVE ST., HESPERIA
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 OTHER 19890101

Monitor ID: 06-071-9002-42401-2 Parameter Measured: 42401
 Street Address: JOSHUA TREE NATIONAL MONUMENT
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 IMPROVE 20030602

Monitor ID: 06-071-9002-44201-1 Parameter Measured: 44201
 Street Address: JOSHUA TREE NATIONAL MONUMENT
 Site Name: CBSA: Riverside—San Bernardino--Ontario, CA
 Monitor Type Begin Date End Date Action Type Action Reason
 NON-EPA FEDERAL 19931001

APPENDIX F

Acronyms

APCD	Air Pollution Control District
AQMD	Air Quality Management District
AQS	Air Quality System
ARB	Air Resources Board
CFR	Code of Federal Regulations
CBSA	Core-Based Statistical Area
FEM	federal equivalent method
FRM	federal reference method
MSA	Metropolitan Statistical Area
NAAQS	National Ambient Air Quality Standard
NO₂	nitrogen dioxide
Pb	lead
PM ₁₀	particulate matter (0 to 10 microns aerodynamic diameter)
PM _{2.5}	particulate matter (0 to 2.5 microns aerodynamic diameter)
PQAO	primary quality assurance organization
SIP	State Implementation Plan
SLAMS	State and Local Air Monitoring Stations
SO₂	sulfur dioxide
U.S. EPA	United States Environmental Protection Agency