

Appendices to the 2022 Annual Network Plan

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Detailed Site Reports

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Amador County APCD

Local Site Name	Jackson-Clinton Road				
AQS ID	06-005-0002				
GPS Coordinates	38.34261, -120.76443				
Street Address	201 Clinton Rd, Jackson, 95642				
County	Amador				
Distance to roadways (meters)	270 to CA-49				
Traffic Count (AADT, year)	7,300 (2,500)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	None				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	5/1/1992				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5.9				
Distance from supporting structure (meters)	2.6				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.1				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/16/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Antelope Valley AQMD

Local Site Name	Lancaster-Division Street				
AQS ID	06-037-9033				
GPS Coordinates	34.66959, -118.13068				
Street Address	43301 Division St, Lancaster, 93535				
County	Los Angeles				
Distance to roadways (meters)	118 to Sierra Hwy; 47 to Division Street				
Traffic Count (AADT, year)	Not available				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Los Angeles-Long Beach-Anaheim Metropolitan Statistical Area				
Pollutant, POC	CO, 1	NO2, 1	Ozone, 1	PM10, 2	PM2.5, 1
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	Primary
Parameter Code	42101	42602	44201	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS, Public Info.	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 300	Teledyne API 200	Teledyne API 400	Met One BAM 1020	Met One BAM 1020
Method code	93	99	87	122	170
FRM/FEM/ARM/Other	FRM	FRM	FEM	FEM	FEM
Collecting Agency	Antelope Valley	Antelope Valley	Antelope Valley	Antelope Valley	Antelope Valley
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	Antelope Valley
Reporting Agency	Antelope Valley	Antelope Valley	Antelope Valley	Antelope Valley	Antelope Valley
Spatial scale	Middle	Middle	Middle	Neighborhood	Neighborhood
Monitoring start date	11/01/2001	11/01/2001	11/01/2001	11/1/2001	11/01/2001
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	6.4	6.4	6.4	6.4	6.5
Distance from supporting structure (meters)	1.9	1.9	1.9	>2	2
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	>10
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	16.0	16.3	15.8	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No	Yes
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	Yes
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly	Monthly
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	Every 2 weeks	Every 2 weeks	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/14/2021	9/14/2021	9/14/2021	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	03/25/2021 09/14/2021	03/25/2021 09/14/2021

Butte County AQMD

Local Site Name	Chico - East Avenue				
AQS ID	06-007-0008				
GPS Coordinates	39.76168, -121.84047				
Street Address	984 East Ave, Ste 4, Chico, 95926				
County	Butte				
Distance to roadways (meters)	920 to CA-99				
Traffic Count (AADT, year)	45,200 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Chico Metropolitan Statistical Area				
Pollutant, POC	CO, 3	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	Primary
Parameter Code	42101	42602	44201	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	Public Information
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 300	Thermo 42iQ	Teledyne API 400	Met One BAM 1020	Met One BAM 1020
Method code	593	74	87	122	170
FRM/FEM/ARM/Other	FRM	FRM	FEM	FEM	FEM
Collecting Agency	ARB	ARB	ARB	ARB	ARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	ARB	ARB	ARB	ARB	ARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	06/01/2012	06/08/2012	06/01/2012	5/27/2012	6/1/2012
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	6.3	6.3	6.3	6.5	6.5
Distance from supporting structure (meters)	2.0	2.0	2.0	2.5	2.5
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	>10
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	2
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	17.7	12.6	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	No
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly	Monthly
Frequency of one-point QC check for gaseous instruments	Daily	Daily	Daily	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	non-operational; not audited	8/12/2021	8/12/2021	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	02/23/2021 08/12/2021	02/23/2021 08/12/2021

Local Site Name	Gridley				
AQS ID	06-007-4001				
GPS Coordinates	39.32756, -121.66881				
Street Address	608 Cowee Ave, Gridley, 95948				
County	Butte				
Distance to roadways (meters)	1,053 to CA-99				
Traffic Count (AADT, year)	19,200 (2015)				
Ground Cover	Gravel				
Representative statistical area name (i.e. MSA, CBSA, other)	Chico Metropolitan Statistical Area				
Pollutant, POC	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	88502				
Basic monitoring objective(s)	Public Information				
Site type(s)	Population Exposure				
Monitor type(s)	Other				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	731				
FRM/FEM/ARM/Other	Other				
Collecting Agency	California ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	California ARB				
Spatial scale	Neighborhood				
Monitoring start date	1/1/2001				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.8				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	No				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	02/24/2021 08/12/2021				

Local Site Name	Paradise - Airport				
AQS ID	06-007-0007				
GPS Coordinates	39.70845, -121.61731				
Street Address	4405 Airport Rd, Paradise, 95969				
County	Butte				
Distance to roadways (meters)	852 to CA-191				
Traffic Count (AADT, year)	6,100 (2015)				
Ground Cover	Gravel				
Representative statistical area name (i.e. MSA, CBSA, other)	Chico Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	California ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	California ARB				
Spatial scale	Regional				
Monitoring start date	05/01/2000				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.6				
Distance from supporting structure (meters)	1.6				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	10.1				
Will there be changes within the next 18 months?	Yes				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	7/21/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Paradise - Theater				
AQS ID	06-007-2002				
GPS Coordinates	39.77919, -121.59135				
Street Address	6701 Clark Road, Paradise CA 95966				
County	Butte				
Distance to roadways (meters)	126 to CA-191				
Traffic Count (AADT, year)	9,300 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Chico Metropolitan Statistical Area				
Pollutant, POC	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	88502				
Basic monitoring objective(s)	Public Information				
Site type(s)	General Background				
Monitor type(s)	OTHER				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1022				
Method code	171				
FRM/FEM/ARM/Other	Other				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	9/9/2010				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	10.2				
Distance from supporting structure (meters)	2.2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	Yes				
Is it suitable for comparison against the annual PM2.5 NAAQS?	No				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Semi-Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	02/23/2021 07/21/2021				

Calaveras County APCD

Local Site Name	San Andreas-Gold Strike Road			
AQS ID	06-009-0001			
GPS Coordinates	38.20185, -120.68028			
Street Address	501 Gold Strike Rd, San Andreas, 95249			
County	Calaveras			
Distance to roadways (meters)	620 to CA-49			
Traffic Count (AADT, year)	10,900 (2015)			
Ground Cover	Dirt			
Representative statistical area name (i.e. MSA, CBSA, other)	None			
Pollutant, POC	Ozone, 1	PM10, 3	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	
Parameter Code	44201	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS, Public Information	
Site type(s)	Highest Concentration	General Background	General Background	
Monitor type(s)	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	
Method code	87	122	170	
FRM/FEM/ARM/Other	FEM	FEM	FEM	
Collecting Agency	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	05/01/1994	10/6/2014	06/15/2010	
Current sampling frequency	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.4	5	4.8	
Distance from supporting structure (meters)	1.2	2.1	2	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	13.4	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly	Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/17/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/24/2021 08/17/2021	02/24/2021 08/17/2021	

Colusa County APCD

Local Site Name	Colusa-Sunrise Blvd			
AQS ID	06-011-1002			
GPS Coordinates	39.18919, -121.99887			
Street Address	100 Sunrise Blvd, Colusa, 95932			
County	Colusa			
Distance to roadways (meters)	642 to CA-20			
Traffic Count (AADT, year)	9,500 (2015)			
Ground Cover	Grass			
Representative statistical area name (i.e. MSA, CBSA, other)	None			
Pollutant, POC	Ozone, 1	PM10, 6	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Supplementary	
Parameter Code	44201	81102	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	Public Information	
Site type(s)	General Background	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	Other	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020	Met One BAM 1022	
Method code	87	122	171	
FRM/FEM/ARM/Other	FEM	FEM	Other	
Collecting Agency	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Regional	Neighborhood	Neighborhood	
Monitoring start date	07/01/1996	2/1/2016	10/12/2004	
Current sampling frequency	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	5.3	5.9	9.8	
Distance from supporting structure (meters)	2	2.2	2.8	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.4	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly	Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/10/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/24/2021 08/10/2021	02/24/2021 08/10/2021	

Eastern Kern APCD

Local Site Name	Canebrake				
AQS ID	06-029-0017				
GPS Coordinates	35.72775, -118.13770				
Street Address	3147 Highway 178, Canebrake, 93255				
County	Kern				
Distance to roadways (meters)	88 to CA-178				
Traffic Count (AADT, year)	2,250 (2015)				
Ground Cover	Sand				
Representative statistical area name (i.e. MSA, CBSA, other)	Bakersfield Metropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure; General Background				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	MetOne Ebam Plus				
Method code	226				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Eastern Kern APCD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	Eastern Kern APCD				
Spatial scale	Regional				
Monitoring start date	1/1/2009				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	2.8				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	2 weeks				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/22/2021 08/25/2021				

Local Site Name	Mojave				
AQS ID	06-029-0011				
GPS Coordinates	35.04649, -118.16295				
Street Address	1773 CA-58 Business, Mojave CA 93501				
County	Kern				
Distance to roadways (meters)	60m to CA-58				
Traffic Count (AADT,year)	17,000 (2015)				
Ground Cover	Dirt/Soil				
Representative statistical area name (i.e. MSA, CBSA, other)	Bakersfield Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1	PM10, 2	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Primary		
Parameter Code	44201	81102	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Highest Concentration	Population Exposure	Highest Concentration		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020	Met One BAM 1020		
Method code	87	122	170		
FRM/FEM/ARM/Other	FEM	FEM	FEM		
Collecting Agency	ARB	ARB	ARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A		
Reporting Agency	ARB	ARB	ARB		
Spatial scale	Regional	Neighborhood	Neighborhood		
Monitoring start date	9/22/2020	10/1/2020	10/1/2020		
Current sampling frequency	Continuous	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	4.1	4.4	4.5		
Distance from supporting structure (meters)	1.5	1.8	1.9		
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.4	N/A	N/A		
Will there be changes within the next 18 months?	Yes	Yes	Yes		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Semi-Monthly	Semi-Monthly		
Frequency of one-point QC check for gaseous instruments	Daily	N/A	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/25/2021	N/A	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/23/2021 08/25/2021	03/23/2021 08/25/2021		

Local Site Name	Ridgecrest - Ward Ave				
AQS ID	06-029-0018				
GPS Coordinates	35.64296, -117.71414				
Street Address	2051 Ward Av , Ridgecrest, 93555				
County	Kern				
Distance to roadways (meters)	N. Primavera Street (32m), Sydnor Ave (235m), West Ward Ave. (162m), Jacks Ranch Road (800m)				
Traffic Count	Primavera 5 (staff estimate), Sydnor 15 (staff estimate), Ward 15 (staff estimate), Jacks Ranch Rd 2,087 (July 25, 2018)				
Ground Cover	Sand				
Representative statistical area name (i.e. MSA, CBSA, other)	Bakersfield Metropolitan Statistical Area				
Pollutant, POC	PM10, 1	PM2.5, 1			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary			
Parameter Code	81102, 85101	88101			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Highest Concentration	Population Exposure			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	MET ONE BAM 1020	MET ONE BAM 1020			
Method code	122	170			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	Eastern Kern APCD	Eastern Kern APCD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	Eastern Kern APCD	Eastern Kern APCD			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	11/1/2017	11/1/2017			
Current sampling frequency	continuous	continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	5.5	5.5			
Distance from supporting structure (meters)	2.0	2.0			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	100	100			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	2 weeks	2 weeks			
Frequency of one-point QC check for gaseous instruments	N/A	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/22/2021 08/25/2021	03/22/2021 08/25/2021			

El Dorado County AQMD

Local Site Name	Cool (seasonal)				
AQS ID	06-017-0020				
GPS Coordinates	38.89094, -121.00337				
Street Address	1400 American River Trail, Cool, 95614				
County	El Dorado				
Distance to roadways (meters)	183 to CA-193				
Traffic Count (AADT, year)	6,300 (2015)				
Ground Cover	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other)	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	06/01/1996				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	Apr-Oct				
Probe height (meters)	11.9				
Distance from supporting structure (meters)	N/A				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	13.7				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	7/20/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Echo Summit (seasonal)				
AQS ID	06-017-0012				
GPS Coordinates	38.81161, -120.03308				
Street Address	21200 US Hwy 50, Little Norway, 95721				
County	El Dorado				
Distance to roadways (meters)	207 to US-50				
Traffic Count (AADT,year)	10,000 (2015)				
Ground Cover	Paved				
Representative statistical area name (i.e. MSA, CBSA, other)	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Regional Transport				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	01/01/2000				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	Apr-Oct				
Probe height (meters)	3.9				
Distance from supporting structure (meters)	1.4				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	None				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	17.6				
Will there be changes within the next 18 months?	Back online for 2016 season				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/9/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Placerville				
AQS ID	06-017-0010				
GPS Coordinates	38.72528, -120.82192				
Street Address	3111 Gold Nugget Way, Placerville, 95667				
County	El Dorado				
Distance to roadways (meters)	721 to US-50				
Traffic Count (AADT,year)	49,500				
Ground Cover	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other)	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	2/1/1992				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.1				
Distance from supporting structure (meters)	1.1				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	None				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	18.2				
Will there be changes within the next 18 months?	Yes				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	7/15/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	South Lake Tahoe-Sandy Way				
AQS ID	06-017-0011				
GPS Coordinates	38.94498, -119.97061				
Street Address	3337 Sandy Way, South Lake Tahoe, 96150				
County	El Dorado				
Distance to roadways (meters)	196 to US-50				
Traffic Count (AADT,year)	29,200				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	PM10, 5				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Middle				
Monitoring start date	6/1/2001				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6.0				
Distance from supporting structure (meters)	3.0				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	None				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	02/25/2021 08/09/2021				

Feather River AQMD

Local Site Name	Sutter Buttes (seasonal)				
AQS ID	06-101-0004				
GPS Coordinates	39.20556, -121.82046				
Street Address	Top of South Butte, Sutter Buttes, 95982				
County	Sutter				
Distance to roadways (meters)	6,100 to CA-20				
Traffic Count (AADT, year)	7,400 (2015)				
Ground Cover	Gravel				
Representative statistical area name (i.e. MSA, CBSA, other)	Yuba City Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration; Regional Transport				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	05/01/1993				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	Apr-Oct				
Probe height (meters)	6.7				
Distance from supporting structure (meters)	1.2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	N/A (No trees)				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.0				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/13/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Yuba City				
AQS ID	06-101-0003				
GPS Coordinates	39.13876, -121.61872				
Street Address	773 Almond St, Yuba City, 95991				
County	Sutter				
Distance to roadways (meters)	275 to CA-20				
Traffic Count (AADT,year)	38,500 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Yuba City Metropolitan Statistical Area				
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3	PM2.5, 4
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	Collocate
Parameter Code	42602	44201	81102	88502	88502
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Highest Concentration	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Thermo 42iQ	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	Met One BAM 1020
Method code	74	87	122	170	170
FRM/FEM/ARM/Other	FRM	FEM	FEM	FEM	FEM
Collecting Agency	ARB	ARB	ARB	ARB	ARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	ARB	ARB	ARB	ARB	ARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	1/1/1989	10/01/1989	6/11/2014	12/7/2020	3/24/2021
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	8.4	8.4	9.6	9.7	9.7
Distance from supporting structure (meters)	1.1	1.1	2.3	2.4	2.4
Distance from obstructions on roof (meters)	1.8 (Wall)	1.8 (Wall)	1.8 (Wall)	1.8 (Wall)	1.8 (Wall)
Height above probe for obstructions on roof (meters)	0.9	0.9	0.9	0.9	0.9
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	>10 meters	>10 meters
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	1.1	1.1
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	15.2	12.2	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	No	No
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	Monthly	Monthly
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/24/2021	8/24/2021	N/A	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	02/22/2021 08/24/2021	02/22/2021 08/24/2021	8/24/2021

Glenn County APCD

Local Site Name	Willows-Colusa			
AQS ID	06-021-0003			
GPS Coordinates	39.53387, -122.19083			
Street Address	720 N. Colusa St., Willows, 95988			
County	Glenn			
Distance to roadways (meters)	1,092 to CA-162			
Traffic Count (AADT, year)	5,000 (2015)			
Ground Cover	Gravel			
Representative statistical area name (i.e. MSA, CBSA, other)	None			
Pollutant, POC	Ozone, 1	PM10, 3	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Primary	
Parameter Code	44201	81102	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	Public Information	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	Other	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	
Method code	87	122	731	
FRM/FEM/ARM/Other	FEM	FEM	Other	
Collecting Agency	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	09/13/2006	10/1/2013	09/13/2006	
Current sampling frequency	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.7	4.8	4.9	
Distance from supporting structure (meters)	1.9	2.0	2.1	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	3.8	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly	Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/11/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/23/2021 08/11/2021	02/23/2021 08/11/2021	

Imperial County APCD

Local Site Name	Brawley-Main Street #2				
AQS ID	06-025-0007				
GPS Coordinates	32.97831, -115.53904				
Street Address	220 Main St., Brawley, 92227				
County	Imperial				
Distance to roadways (meters)	270 to CA-86				
Traffic Count (AADT, year)	16,400 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	El Centro Metropolitan Statistical Area				
Pollutant, POC	PM10, 3	PM2.5, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary		
Parameter Code	81102	88101	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Met One BAM 1020	R & P 2025	Met One BAM 1022		
Method code	122	118	209		
FRM/FEM/ARM/Other	FEM	FRM	FEM		
Collecting Agency	Imperial County	Imperial County	Imperial County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	San Diego County	N/A		
Reporting Agency	ARB	San Diego County	ARB		
Spatial scale	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	8/11/2009	12/15/2003	6/23/2021		
Current sampling frequency	Continuous	1:3	Continuous		
Required sampling frequency including exceptional events	N/A	1:3	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	12.4	12	10		
Distance from supporting structure (meters)	2.4	2	1.5		
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A		
Distance to nearest tree drip line (meters)	N/A (No trees)	N/A (No trees)	N/A (No trees)		
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A	N/A		
Will there be changes within the next 18 months?	No	Closed 5/27/2021	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	N/A		
Frequency of flow rate verification for automated PM analyzers	Every 2 weeks	N/A	Every 2 weeks		
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	3/18/2021	3/18/2021	3/18/2021 9/2/2021		

Local Site Name	El Centro-9th Street				
AQS ID	06-025-1003				
GPS Coordinates	32.79215, -115.56299				
Street Address	150 9th St, El Centro, 92243				
County	Imperial				
Distance to roadways (meters)	528 to CA-86				
Traffic Count (AADT,year)	17,000 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	El Centro Metropolitan Statistical Area				
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 4	PM2.5, 1	PM2.5, 3
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	Primary
Parameter Code	42602	44201	81102	88101	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Highest Concentration	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 200	Teledyne API 400	Met One BAM 1020	R & P 2025	Met One BAM 1022
Method code	99	87	122	118	209
FRM/FEM/ARM/Other	FRM	FEM	FEM	FRM	FEM
Collecting Agency	Imperial County	Imperial County	Imperial County	Imperial County	Imperial County
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	San Diego County	N/A
Reporting Agency	ARB	ARB	ARB	San Diego County	ARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	1/1/1980	02/01/1988	7/1/2015	1/1/1999	11/13/2021
Current sampling frequency	Continuous	Continuous	Continuous	1:3	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	1:3	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	11	11	11	11.6	10
Distance from supporting structure (meters)	2	2	2	2.1	1.5
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	N/A (No trees)
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	11.76	10.94	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	Yes	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	Closed 1/15/2022	Yes
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	Monthly	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Every 2 weeks	N/A	Every 2 weeks
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/31/2021	8/31/2021	N/A	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	03/18/2021 08/31/2021	03/18/2021 08/31/2021	

Local Site Name:	Niland-English Road				
AQS ID:	06-025-4004				
GPS Coordinates:	33.21349, -115.54514				
Street Address:	7711 English Road, Niland, 92257				
County:	Imperial				
Distance to roadways (meters):	2,460 to CA-111				
Traffic Count (AADT,year)	2,950 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	El Centro Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1	PM10, 3			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary			
Parameter Code	44201	81102			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Population Exposure	Population Exposure			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020			
Method code	87	122			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	Imperial County	Imperial County			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	ARB	ARB			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	10/1/1997	8/10/2009			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	4.6	5.2			
Distance from supporting structure (meters)	1.6	2.2			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.59	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Every 2 weeks			
Frequency of one-point QC check for gaseous instruments	Daily	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/2/2021	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/17/2021 09/02/2021			

Local Site Name:	Westmorland			
AQS ID:	06-025-4003			
GPS Coordinates:	33.03239, -115.62362			
Street Address:	570 Cook St., Westmorland, 92281			
County:	Imperial			
Distance to roadways (meters):	646 to CA-86			
Traffic Count (AADT, year)	13,300 (2015)			
Ground Cover:	Gravel			
Representative statistical area name (i.e. MSA, CBSA, other):	El Centro Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM10, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary following POC 1 shutdown		
Parameter Code	44201	81102		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020		
Method code	87	122		
FRM/FEM/ARM/Other	FEM	FEM		
Collecting Agency	Imperial County	Imperial County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	ARB	ARB		
Spatial scale	Regional	Middle		
Monitoring start date	04/01/1993	7/1/2015		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	4.3	5.5		
Distance from supporting structure (meters)	1.2	2.5		
Distance from obstructions on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.27	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Every 2 weeks		
Frequency of one-point QC check for gaseous instruments	Daily	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/2/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/17/2021 09/02/2021		

Local Site Name:	Calexico-Ethel Street				
AQS ID:	06-025-0005				
GPS Coordinates:	32.67887, -115.48292				
Street Address:	1085 Andrade Ave, Calexico, 92231				
County:	Imperial				
Distance to roadways (meters):	26 to CA-98				
Traffic Count (AADT,year)	18,100 (2016)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	El Centro Metropolitan Statistical Area				
Pollutant, POC	CO, 3	SO2, 3	NO2, 1	Ozone, 1	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	N/A	
Parameter Code	42101	42401	42602	44201	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Highest Concentration	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 300	Thermo 43i-TLE	Thermo 42iQ	Teledyne API 400	
Method code	593	560	74	87	
FRM/FEM/ARM/Other	FRM	FEM	FRM	FEM	
Collecting Agency	ARB	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	3/1/2013	3/1/2013	3/1/1994	4/1/1994	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.4	4.4	4.4	4.4	
Distance from supporting structure (meters)	1.9	1.9	1.9	1.9	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	N/A	N/A	N/A	N/A	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	Teflon	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	4.3	5.9	5.2	4.5	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	Precision S-Th*	Precision S-Th*	Precision S-Th*	Precision S-Th*	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/7/2021	9/7/2021	9/1/2021	9/1/2021	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	N/A	

*one-point. QC checks at the precision level (20% of scale) Sunday through Thursday; Span levels (80% of scale) are conducted Fridays and Saturdays.

(continued)

Local Site Name:	Calexico-Ethel Street			
AQS ID:	06-025-0005			
GPS Coordinates:	32.67887, -115.48292			
Street Address:	1085 Andrade Ave, Calexico, 92231			
County:	Imperial			
Distance to roadways (meters):	26 to CA-98			
Traffic Count (AADT,year)	18,100 (2016)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	El Centro Metropolitan Statistical Area			
Pollutant, POC	PM10, 3	PM2.5, 2	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	
Parameter Code	81102	88101	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	CSN supplemental	N/A	
Instrument manufacturer and model	Met One BAM 1020	Thermo 2000I	Met One BAM 1020 W VSCC	
Method code	122	143	731	
FRM/FEM/ARM/Other	FEM	FRM	FEM	
Collecting Agency	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	01/15/2016	(1/1/1999,2025) 4/2021	1/1/2016	
Current sampling frequency	Continuous	1:12	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.7	4.9	5.9	
Distance from supporting structure (meters)	2.1	2.1	2.3	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	6 (tree)	N/A	
Height above probe for obstructions not on roof (meters)	3	3	3	
Distance to nearest tree drip line (meters)	7	7	7	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	1.4	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months?	Yes	Yes	Yes	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	N/A	
Frequency of flow rate verification for automated PM analyzers	Semi-Monthly	Every 2 weeks	Semi-Monthly	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/16/2021 09/07/2021	03/16/2021 09/01/2021	03/16/2021 09/01/2021	

Lake County AQMD

Local Site Name	Middletown-Anderson Springs Road				
AQS ID	06-033-3010				
GPS Coordinates	38.77453, -122.69950				
Street Address	11210 Anderson Springs Road, Middletown, CA 95461				
County	Lake				
Distance to roadways (meters)	1,400 to CA-175				
Traffic Count (AADT, year)	3,200 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Clearlake Micropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102 and 85101				
Basic monitoring objective(s)	Public Information				
Site type(s)	Population Exposure				
Monitor type(s)	Other-GAMP				
Network affiliation(s)	N/A				
Instrument manufacturer and model	R & P 2000				
Method code	126				
FRM/FEM/ARM/Other	FRM				
Collecting Agency	Lake County AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	Lake County AQMD				
Reporting Agency	ARB				
Spatial scale	Urban				
Monitoring start date	4/1/2001, 7/1/2016				
Current sampling frequency	1:6				
Required sampling frequency including exceptional events	1:6				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5.1				
Distance from supporting structure (meters)	2.1				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	N/A				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	closed 1/1/2022				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	05/20/2021 12/01/2021				

Local Site Name	Glenbrook			
AQS ID	06-033-3011			
GPS Coordinates	38.84846, -122.75797			
Street Address	8276 High Valley Road, Cobb, CA 95426			
County	Lake			
Distance to roadways (meters)	6,437 to Bottle Rock Rd. and CA-175			
Traffic Count Notes	1700 (2005)			
Ground Cover	Dirt			
Representative statistical area name (i.e. MSA, CBSA, other)	Clearlake Micropolitan Statistical Area			
Pollutant, POC	PM10, 1			
Primary, QA-Audit, Supplementary, or N/A	Primary			
Parameter Code	81102 and 85101			
Basic monitoring objective(s)	Public Information			
Site type(s)	Population Exposure			
Monitor type(s)	Other-GAMP			
Network affiliation(s)	N/A			
Instrument manufacturer and model	R & P 2000			
Method code	126			
FRM/FEM/ARM/Other	FRM			
Collecting Agency	Lake County AQMD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	Lake County AQMD			
Reporting Agency	ARB			
Spatial scale	Urban			
Monitoring start date	04/01/2001			
Current sampling frequency	1:6			
Required sampling frequency including exceptional events	1:6			
Sampling season	1-Jan - 31-Dec			
Probe height (meters)	5.1			
Distance from supporting structure (meters)	2.1			
Distance from obstructions on roof (meters)	No obstructions			
Height above probe for obstructions on roof (meters)	N/A			
Distance from obstructions not on roof (meters)	5 (Tree)			
Height above probe for obstructions not on roof (meters)	2			
Distance to nearest tree drip line (meters)	10			
Distance to furnace or incinerator flue (meters)	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A			
Will there be changes within the next 18 months?	closed 1/1/2022			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly			
Frequency of flow rate verification for automated PM analyzers	N/A			
Frequency of one-point QC check for gaseous instruments	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	05/20/2021 12/01/2021			

Local Site Name	Lakeport-S. Main Street				
AQS ID	06-033-3002				
GPS Coordinates	39.018900, -122.913350				
Street Address	2617 South Main Street, Lakeport, CA 95453				
County	Lake				
Distance to roadways (meters)	30				
Traffic Count Notes	15,300 (2015)				
Ground Cover	Clearlake Micropolitan Statistical Area				
Representative statistical area name (i.e. MSA, CBSA, other)					
Pollutant, POC	Ozone, 1	PM10, 1	PM2.5, 1		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Primary		
Parameter Code	44201	81102 and 85101	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure	General Background	Population Exposure		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	R & P 2000	R & P 2000		
Method code	87	126	143		
FRM/FEM/ARM/Other	FEM	FRM	FRM		
Collecting Agency	Lake County AQMD	Lake County AQMD	Lake County AQMD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	Lake County AQMD	Lake County AQMD		
Reporting Agency	ARB	ARB	ARB		
Spatial scale	Urban	Neighborhood	Neighborhood		
Monitoring start date	7/1/2017	7/1/2017	7/1/2017		
Current sampling frequency	Continuous	1:6	1:6		
Required sampling frequency including exceptional events	N/A	1:6	1:6		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	4.8	4.5	4.5		
Distance from supporting structure (meters)	2.2	2	2		
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A		
Distance to nearest tree drip line (meters)	>10m	>10m	>10m		
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.2	N/A	N/A		
Will there be changes within the next 18 months?	Yes	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	1/mo	1/mo		
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A		
Frequency of one-point QC check for gaseous instruments	Daily	N/A	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	12/1/2021	N/A	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	05/20/2021 12/01/2021	05/20/2021 12/01/2021		

Mariposa County APCD

Local Site Name:	Jerseydale (seasonal)				
AQS ID:	06-043-0006				
GPS Coordinates:	37.54377, -119.83957				
Street Address:	6440 Jerseydale, Mariposa, 95338				
County:	Mariposa				
Distance to roadways (meters):	184 to Jerseydale Road				
Traffic Count (AADT, year)	Not available				
Ground Cover:	Grass				
Representative statistical area name (i.e. MSA, CBSA, other):	None				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	07/01/1995				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Apr - 31-Oct				
Probe height (meters)	4				
Distance from supporting structure (meters)	1.4				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	11.9				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/5/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	Yosemite Village - Visitor Center				
AQS ID:	06-043-1001				
GPS Coordinates:	37.74871, -119.58709				
Street Address:	Visitors Center, Yosemite Village, Yosemite National Park, 95389				
County:	Mariposa				
Distance to roadways (meters):	220 to Northside Drive				
Traffic Count (AADT,year)	Not available				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	None				
Pollutant, POC	PM10, 3	PM2.5, 3			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary			
Parameter Code	81102	88502			
Basic monitoring objective(s)	NAAQS	Public Information			
Site type(s)	Population Exposure	Population Exposure			
Monitor type(s)	SLAMS	Other			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Met One BAM 1020	Met One BAM 1020			
Method code	122	731			
FRM/FEM/ARM/Other	FEM	Other			
Collecting Agency	ARB	ARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	ARB	ARB			
Spatial scale	Middle	Middle			
Monitoring start date	8/9/2014	2/1/2002			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	8.6	8.4			
Distance from supporting structure (meters)	2.2	2			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10*			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	No			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly			
Frequency of one-point QC check for gaseous instruments	N/A	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	04/22/2021 10/06/2021	04/22/2021 10/06/2021			
			Notes: * ARB and EPA concluded that the PM2.5 sampler is not FEM and is not subject to federal siting criteria of CFR Title 40, Part 58, Appendix E; see AQDA issued on 5-15-12.		

Local Site Name:	Yosemite NP - Turtleback Dome				
AQS ID:	06-043-0003				
GPS Coordinates:	37.713251, -119.706196				
Street Address:	Turtleback Dome, Yosemite National Park				
County:	Mariposa				
Distance to roadways (meters):	> 100				
Traffic Count (AADT,year)	Not available				
Ground Cover:					
Representative statistical area name (i.e. MSA, CBSA, other):	None				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	General Background				
Monitor type(s)	Non-EPA Federal				
Network affiliation(s)	CASTNET				
Instrument manufacturer and model	Thermo 49C				
Method code	47				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	National Park Service				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	National Park Service				
Spatial scale	Regional				
Monitoring start date	9/1/1990				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	10				
Distance from supporting structure (meters)					
Distance from obstructions on roof (meters)					
Height above probe for obstructions on roof (meters)					
Distance from obstructions not on roof (meters)	>50				
Height above probe for obstructions not on roof (meters)	10				
Distance to nearest tree drip line (meters)					
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)					
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.1				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/6/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Mendocino County AQMD

Local Site Name	Fort Bragg - 300 Dana Street				
AQS ID	06-045-0010				
GPS Coordinates	39.43734, -123.78766				
Street Address	300 Dana Street, Fort Bragg, 95437				
County	Mendocino				
Distance to roadways (meters)	1,564 to CA-1				
Traffic Count (AADT, year)	19,300 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Ukiah Micropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	General Background				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mendocino County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	08/17/2011				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6.9				
Distance from supporting structure (meters)	2.6				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	06/15/2021 12/02/2021				

Local Site Name	Ukiah - Gobbi Street				
AQS ID	06-045-0008				
GPS Coordinates	39.14566, -123.20298				
Street Address	306 E. Gobbi St, Ukiah, 95482				
County	Mendocino				
Distance to roadways (meters)	570 to US-101				
Traffic Count (AADT,year)	22,800 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Ukiah Micropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API T265				
Method code	199				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mendocino County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	08/01/1992				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	7				
Distance from supporting structure (meters)	3				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.7				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Weekly				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	12/1/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Ukiah - Library				
AQS ID	06-045-0006				
GPS Coordinates	39.15047, -123.20655				
Street Address	105 N. Main St, Ukiah, 95482				
County	Mendocino				
Distance to roadways (meters)	847 to US-101				
Traffic Count (AADT,year)	29,200 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Ukiah Micropolitan Statistical Area				
Pollutant, POC	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	88101				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	170				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mendocino County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	12/31/2008				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	9.5				
Distance from supporting structure (meters)	2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	06/15/2021 12/01/2021				

Local Site Name	Willits - Blosser Lane				
AQS ID	06-045-2003				
GPS Coordinates	39.39861, -123.35872				
Street Address	1277 Blosser Lane, Willits, 95490				
County	Mendocino				
Distance to roadways (meters)	595 to State Hwy 20				
Traffic Count (AADT,year)	23,600 (2015)				
Ground Cover	Gravel				
Representative statistical area name (i.e. MSA, CBSA, other)	Ukiah Micropolitan Statistical Area				
Pollutant, POC	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	88101				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	170				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mendocino County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	2/4/2021				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5.3				
Distance from supporting structure (meters)	2.5				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	6/15/2021,12/2/2021				

Mojave Desert AQMD

Local Site Name	Barstow				
AQS ID	06-071-0001				
GPS Coordinates	34.89405, -117.02471				
Street Address	1301 W. Mountain View St., Barstow, 92311				
County	San Bernardino				
Distance to roadways (meters)	890 to I-15; 890 to CA-247				
Traffic Count (AADT, year)	66,000 (I-15); 18,400 (CA-247) (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	CO, 1	NO2, 1	Ozone, 1	PM10, 1	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	
Parameter Code	42101	42602	44201	81102	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 300E	Teledyne API 200E	Teledyne API 400T	Met One BAM 1020	
Method code	93	99	87	122	
FRM/FEM/ARM/Other	FRM	FRM	FEM	FEM	
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Spatial scale	Middle	Middle	Middle	Neighborhood	
Monitoring start date	01/01/1973	01/01/1973	01/01/1974	01/01/2014	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.5	4.5	4.5	6	
Distance from supporting structure (meters)	1	1	1	2.5	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.1	15.1	14.3	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	Every 2 weeks	Every 2 weeks	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/9/2021	9/9/2021	9/9/2021	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	03/23/2021 09/09/2021	

Local Site Name	Blythe-Murphy Street				
AQS ID	06-065-9003				
GPS Coordinates	33.61235, -114.60209				
Street Address	445 W Murphy St, Blythe, 92225				
County	Riverside				
Distance to roadways (meters)	674 to I-10				
Traffic Count (AADT,year)	27,200 (2015)				
Ground Cover	Unpaved				
Representative statistical area name (i.e. MSA, CBSA, other)	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Supplementary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS, Public Information				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne T400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	05/01/2003				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6.5				
Distance from supporting structure (meters)	2				
Distance from obstructions on roof (meters)	N/A				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	N/A				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	N/A (No trees)				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.8				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/21/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name	Hesperia-Olive Street				
AQS ID	06-071-4001				
GPS Coordinates	34.41650, -117.28559				
Street Address	17288 Olive St, Hesperia, 92340				
County	San Bernardino				
Distance to roadways (meters)	105 to Olive Street; 36 to H Avenue				
Traffic Count (AADT, year)	Not available				
Ground Cover	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other)	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1	PM10, 2			
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary			
Parameter Code	44201	81102			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Population Exposure	Population Exposure; General Background			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Teledyne API 400T	Met One BAM 1020			
Method code	87	122			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	01/01/1980	01/01/2014			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	3.9	4.4			
Distance from supporting structure (meters)	1	>2			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	1.8	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly			
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/16/2021	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/24/2021 09/16/2021			

Local Site Name:	Joshua Tree National Monument - Black Rock				
AQS ID:	06-071-9002				
GPS Coordinates:	34.06957, -116.38893				
Street Address:	Joshua Tree National Monument, CA 92239				
County:	San Bernardino				
Distance to roadways (meters):	13 (Campground Rd)				
Traffic Count (AADT,year)	Not available				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	non-EPA Federal				
Network affiliation(s)	CASTNET				
Instrument manufacturer and model	Thermo 491				
Method code	47				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	National Park Service				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	National Park Service				
Spatial scale	Regional				
Monitoring start date	10/1/1993				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	10.3				
Distance from supporting structure (meters)	N/A				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	7.5				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	4/8/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	Joshua Tree National Park - Pinto Wells				
AQS ID:	06-065-1004				
GPS Coordinates:	33.93983, -115.41085				
Street Address:	Joshua Tree National Monument, CA 92239				
County:	Riverside				
Distance to roadways (meters):	16,600 to CA-62				
Traffic Count (AADT, year)	860 (2015)				
Ground Cover:	Sand				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	Public Information				
Site type(s)	General Background				
Monitor type(s)	non-EPA Federal				
Network affiliation(s)	N/A				
Instrument manufacturer and model	2B Technologies M202				
Method code	190				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	National Park Service				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	National Park Service				
Spatial scale	Regional				
Monitoring start date	5/11/2006				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6				
Distance from supporting structure (meters)	N/A				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	N/A (no trees)				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	2.5				
Will there be changes within the next 18 months?	Discontinued, Aug 1				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Unknown				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	4/7/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	Lucerne Valley - Middle School				
AQS ID:	06-071-0013				
GPS Coordinates:	34.41008, -116.90687				
Street Address:	8560 Aliento Rd, Lucerne Valley, 92356				
County:	San Bernardino				
Distance to roadways (meters):	345 to CA-18				
Traffic Count (AADT,year)	8,100 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mojave Desert AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	Mojave Desert AQMD				
Spatial scale	Neighborhood				
Monitoring start date	1/14/2015				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.7				
Distance from supporting structure (meters)	2.2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	N/A (No trees)				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	270				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/24/2021 09/16/2021				

Local Site Name:	Mojave National Preserve				
AQS ID:	06-071-1001				
GPS Coordinates:	35.10190, -115.77670				
Street Address:	47411 Canyon Back Rd, Kelso, 92309				
County:	San Bernardino				
Distance to roadways (meters):	30,800 to I-15				
Traffic Count (AADT,year)	42,000 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	Public Information				
Site type(s)	General Background				
Monitor type(s)	non-EPA Federal				
Network affiliation(s)	N/A				
Instrument manufacturer and model	2B Technologies M202				
Method code	190				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	National Park Service				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	National Park Service				
Spatial scale	Regional				
Monitoring start date	5/9/2007				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6				
Distance from supporting structure (meters)	N/A				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	never audited				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Unknown				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	never audited				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	Unknown				

Local Site Name:	Phelan - Beekley Road & Phelan Road				
AQS ID:	06-071-0012				
GPS Coordinates:	34.42505, -117.58982				
Street Address:	Beekley and Phelan Rd, Phelan, 92371				
County:	San Bernardino				
Distance to roadways (meters):	1291 to CA-138				
Traffic Count (AADT,year)	19,400 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400T				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Mojave Desert AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	Mojave Desert AQMD				
Spatial scale	Neighborhood				
Monitoring start date	07/01/1987				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	3.9				
Distance from supporting structure (meters)	1.1				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	N/A (No trees)				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	1.8				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Every 2 weeks				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/15/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	Trona - Athol/Telescope #2				
AQS ID:	06-071-1234				
GPS Coordinates:	35.77446, -117.37210				
Street Address:	Telescope & Athol, Trona, 93562				
County:	San Bernardino				
Distance to roadways (meters):	375 to CA-178				
Traffic Count (AADT,year)	2,300 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	SO2, 1	NO2, 1	Ozone, 1	PM10, 2	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	
Parameter Code	42401	42602	44201	81102	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Source Impact	Population Exposure	Highest Concentration; Source Impact	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 100E	Teledyne API 200E	Teledyne API 400T	Met One BAM 1020	
Method code	77	99	87	122	
FRM/FEM/ARM/Other	FRM	FRM	FEM	FEM	
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	04/01/1997	04/01/1997	04/01/1997	6/1/1997	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4	4	4	4.6	
Distance from supporting structure (meters)	1.2	1.2	1.2	>10	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.9	10.8	9.6	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	Every 2 weeks	Every 2 weeks	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/12/2021	10/12/2021	10/12/2021	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	04/20/2021 10/12/2021	

Local Site Name:	Victorville - Park Avenue				
AQS ID:	06-071-0306				
GPS Coordinates:	34.51096, -117.32555				
Street Address:	14306 Park Av, Victorville, 92392				
County:	San Bernardino				
Distance to roadways (meters):	416 to CA-18; 416 to I-15				
Traffic Count (AADT, year)	40,000 (CA-18); 87,000 (I-15) (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	CO, 1	SO2, 1	NO2, 1	Ozone, 1	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	N/A	
Parameter Code	42101	42401	42602	44201	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 300E	Teledyne API 100E	Teledyne API 200E	Teledyne API 400T	
Method code	93	77	99	87	
FRM/FEM/ARM/Other	FRM	FEM	FRM	FEM	
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	01/01/2000	01/01/2000	01/01/2000	01/01/2000	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	7.3	7.3	7.3	7.3	
Distance from supporting structure (meters)	1.9	1.9	1.9	1.9	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	N/A (no trees)	N/A (no trees)	N/A (no trees)	N/A (no trees)	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	Teflon	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	11.2	11.9	10.6	11.3	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	Every 2 weeks	Every 2 weeks	Every 2 weeks	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/8/2021	9/8/2021	9/8/2021	9/8/2021	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	N/A	N/A	

(continued)

Local Site Name:	Victorville - Park Avenue				
AQS ID:	06-071-0306				
GPS Coordinates:	34.51096, -117.32555				
Street Address:	14306 Park Av, Victorville, 92392				
County:	San Bernardino				
Distance to roadways (meters):	416 to CA-18; 416 to I-15				
Traffic Count (AADT,year)	40,000 (CA-18); 87,000 (I-15)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Riverside-San Bernardino-Ontario Metropolitan Statistical Area				
Pollutant, POC	PM10, 1	PM2.5, 1	PM2.5, 2		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	QA-Audit		
Parameter Code	81102	88101	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure	Regional Transport; Population Exposure	Regional Transport; Population Exposure		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Met One BAM 1020	Met One BAM 1020	R & P CO 2000		
Method code	122	170	117		
FRM/FEM/ARM/Other	FEM	FEM	FRM		
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	Mojave Desert AQMD		
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Spatial scale	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	1/1/2014	1/1/2016	1/1/2000		
Current sampling frequency	Continuous	Continuous	1:6		
Required sampling frequency including exceptional events	N/A	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	7.4	7.5	7.5		
Distance from supporting structure (meters)	2	2.1	2.1		
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A		
Distance to nearest tree drip line (meters)	N/A (no trees)	N/A (no trees)	N/A (no trees)		
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	2	2		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A	N/A		
Will there be changes within the next 18 months?	No	Yes	Yes		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	Monthly		
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly	N/A		
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/24/2021 09/08/2021	03/24/2021 09/08/2021	03/24/2021 09/08/2021		

Northern Sierra AQMD

Local Site Name:	Chester				
AQS ID:	06-063-1007				
GPS Coordinates:	40.30965, -121.22785				
Street Address:	222 1st Ave, Chester 96020				
County:	Plumas				
Distance to roadways (meters):	133 to CA-36				
Traffic Count (AADT, year)	4,800 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	None				
Pollutant, POC	PM2.5, 4				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	88502				
Basic monitoring objective(s)	Public Information				
Site type(s)	Population Exposure				
Monitor type(s)	Other				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	731				
FRM/FEM/ARM/Other	Other				
Collecting Agency	Northern Sierra AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	Northern Sierra AQMD				
Spatial scale	Neighborhood				
Monitoring start date	1/1/2007				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	7.2				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	No				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/04/2021 09/30/2021				

Local Site Name:	Grass Valley-Litton Building			
AQS ID:	06-057-0005			
GPS Coordinates:	39.23352, -121.05567			
Street Address:	200 Litton Dr., Suite 320, Grass Valley, 95945			
County:	Nevada			
Distance to roadways (meters):	1,256 to CA-20			
Traffic Count (AADT, year)	37,000 (2015)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	Truckee-Grass Valley Micropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 1	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	Supplementary	Primary	
Parameter Code	44201	88101	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Thermo Scientific Partisol 2000i	Met One BAM 1020	
Method code	87	117	170	
FRM/FEM/ARM/Other	FEM	FRM	FEM	
Collecting Agency	Northern Sierra	Northern Sierra	Northern Sierra	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	N/A	
Reporting Agency	Northern Sierra	ARB	Northern Sierra	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	06/01/1993	12/30/1998	12/6/2017	
Current sampling frequency	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	1:6	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	11.9	10.2	12.1	
Distance from supporting structure (meters)	3.8	2.1	4	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	270	270	270	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	15.4	N/A	N/A	
Will there be changes within the next 18 months?	No	Closed August 2021	Yes	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Weekly	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/30/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	3/3/2021	03/03/2021 08/30/2021	

Local Site Name:	Portola			
AQS ID:	06-063-1010			
GPS Coordinates:	39.81336, -120.47069			
Street Address:	420 N Gulling St, Portola, 96122			
County:	Plumas			
Distance to roadways (meters):	317 to CA-70			
Traffic Count (AADT, year)	6,600 (2015)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	None			
Pollutant, POC	PM2.5, 1	PM2.5, 2	PM2.5, 4	
Primary, QA-Audit, Supplementary, or N/A	Primary	QA-Audit	Supplementary	
Parameter Code	88101	88101	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	Public Information	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	Other	
Network affiliation(s)	CSN supplemental	CSN supplemental	CSN supplemental	
Instrument manufacturer and model	Thermo Scientific Partisol 2025i	Thermo Scientific Partisol 2025i	Met One BAM 1020	
Method code	145	145	731	
FRM/FEM/ARM/Other	FRM	FRM	Other	
Collecting Agency	Northern Sierra AQMD	Northern Sierra AQMD	Northern Sierra AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB	ARB	N/A	
Reporting Agency	ARB	ARB	Northern Sierra AQMD	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	7/1/2013	10/30/2015	7/1/2013	
Current sampling frequency	1:3	1:12	Continuous	
Required sampling frequency including exceptional events	1:3	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	7.4	7.4	8.3	
Distance from supporting structure (meters)	2.2	2.2	3	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	2.67	2.67	3	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes	Yes	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly	Monthly	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/04/2021 08/31/2021	03/04/2021 08/31/2021	03/04/2021 08/31/2021	

Local Site Name:	Quincy-N Church Street				
AQS ID:	06-063-1006				
GPS Coordinates:	39.93957, -120.94438				
Street Address:	267 N Church Street, Quincy, 95971				
County:	Plumas				
Distance to roadways (meters):	270 to CA-70; 492 to CA-70				
Traffic Count (AADT, year)	4,800 (CA-70); 9,800 (CA-70) (2015)				
Ground Cover:	Grass				
Representative statistical area name (i.e. MSA, CBSA, other):	None				
Pollutant, POC	PM2.5, 1	PM2.5, 4			
Primary, QA-Audit, Supplementary, or N/A	Primary	Supplementary			
Parameter Code	88101	88502			
Basic monitoring objective(s)	NAAQS	Public Information			
Site type(s)	Population Exposure	Population Exposure			
Monitor type(s)	SLAMS	Other			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Thermo Scientific Partisol 2025i	Met One BAM 1020			
Method code	118	731			
FRM/FEM/ARM/Other	FRM	Other			
Collecting Agency	Northern Sierra AQMD	Northern Sierra AQMD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB	N/A			
Reporting Agency	ARB	Northern Sierra AQMD			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	03/26/1999	1/1/2007			
Current sampling frequency	1:1	Continuous			
Required sampling frequency including exceptional events	1:1	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	3.5	4.2			
Distance from supporting structure (meters)	2	1.8			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes	No			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly			
Frequency of one-point QC check for gaseous instruments	N/A	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	08/31/2021	03/04/2021 08/31/2021			

Local Site Name:	Truckee - Fire Station				
AQS ID:	06-057-1001				
GPS Coordinates:	39.32782, -120.18459				
Street Address:	10049 Donner Pass Rd, Truckee, 96161				
County:	Nevada				
Distance to roadways (meters):	825 to I-80				
Traffic Count (AADT, year)	33,000 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Truckee-Grass Valley Metropolitan Statistical Area				
Pollutant, POC	PM2.5, 1	PM2.5, 4			
Primary, QA-Audit, Supplementary, or N/A	Primary	Supplementary			
Parameter Code	88101	88502			
Basic monitoring objective(s)	NAAQS	Public Information			
Site type(s)	Population Exposure	Population Exposure			
Monitor type(s)	SLAMS	Other			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Thermo Scientific Partisol 2025i	Met One BAM 1020			
Method code	145	731			
FRM/FEM/ARM/Other	FRM	Other			
Collecting Agency	Northern Sierra AQMD	Northern Sierra AQMD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB	N/A			
Reporting Agency	ARB	Northern Sierra AQMD			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	03/31/1999	1/1/2007			
Current sampling frequency	1:3	Continuous			
Required sampling frequency including exceptional events	1:3	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	8.3	10.2			
Distance from supporting structure (meters)	2.2	2.2			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	4	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes	No			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly			
Frequency of one-point QC check for gaseous instruments	N/A	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	03/03/2021 08/30/2021	03/03/2021 08/30/2021			

Local Site Name:	White Cloud (seasonal)				
AQS ID:	06-057-0007				
GPS Coordinates:	39.31779, -120.84527				
Street Address:	26533 CA State Hwy 20, Nevada City, 95959				
County:	Nevada				
Distance to roadways (meters):	240				
Traffic Count (AADT, year)	3,500 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Truckee-Grass Valley Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	General Background				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Regional				
Monitoring start date	06/01/1995				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1 Apr - 31 Oct				
Probe height (meters)	3.9				
Distance from supporting structure (meters)	1.5				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	not operated in 2021				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	not operated in 2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Northern Sonoma County APCD

Local Site Name	Cloverdale				
AQS ID	06-097-0001				
GPS Coordinates	38.80423, -123.01820				
Street Address	100 S. Washington St, Cloverdale, 95425				
County	Sonoma				
Distance to roadways (meters)	623 to US-101				
Traffic Count (AADT, year)	15,400 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Santa Rosa Metropolitan Statistical Area				
Pollutant, POC	PM10, 2				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Northern Sonoma				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	1/1/1990				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5.9				
Distance from supporting structure (meters)	2.4				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	06/15/2021 11/30/2021				

Local Site Name	Guerneville-Church and 1st				
AQS ID	06-097-3002				
GPS Coordinates	38.50107, -122.99819				
Street Address	16255 1st Street Guerneville, 95446				
County	Sonoma				
Distance to roadways (meters)	160 to CA-116				
Traffic Count (AADT, year)	9,000 (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	Santa Rosa Metropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Northern Sonoma				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	CARB				
Spatial scale	Neighborhood				
Monitoring start date	4/1/1990				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5				
Distance from supporting structure (meters)	2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	06/16/2021 11/30/2021				

Local Site Name:	Healdsburg - Matheson				
AQS ID:	06-097-0002				
GPS Coordinates:	38.61090, -122.86878				
Street Address:	133 Matheson St, Healdsburg, 95448				
County:	Sonoma				
Distance to roadways (meters):	540 to US-101				
Traffic Count (AADT, year)	40,500 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Santa Rosa Metropolitan Statistical Area				
Pollutant, POC	PM10, 2				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	General Background				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Met One BAM 1020				
Method code	122				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Northern Sonoma				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	CARB				
Spatial scale	Urban				
Monitoring start date	5/21/1998				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6.5				
Distance from supporting structure (meters)	2.5				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	Monthly				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	06/16/2021 11/30/2021				

Placer County APCD

Local Site Name:	Auburn - Atwood Rd			
AQS ID:	06-061-0003			
GPS Coordinates:	38.93568, -121.09959			
Street Address:	11645 Atwood Rd., Auburn, 95603			
County:	Placer			
Distance to roadways (meters):	446 to CA-49			
Traffic Count (AADT, year)	39,000 (2015)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 1		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary		
Parameter Code	44201	88101		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Met One BAM1020		
Method code	87	170		
FRM/FEM/ARM/Other	FEM	FEM		
Collecting Agency	Placer County	Placer County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	CARB	CARB		
Spatial scale	Neighborhood	Neighborhood		
Monitoring start date	06/24/2011	1/1/2012		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	5.8	7		
Distance from supporting structure (meters)	2.8	4		
Distance from obstructions on roof (meters)	No obstacles	No obstacles		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstacles	No obstacles		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.0	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly		
Frequency of one-point QC check for gaseous instruments	Every 8-10 days	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/25/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/01/2021 08/25/2021		

Local Site Name:	Colfax-City Hall			
AQS ID:	06-061-0004			
GPS Coordinates:	39.09979, -120.95391			
Street Address:	33 S. Main St., Colfax, 95713			
County:	Placer			
Distance to roadways (meters):	404 to CA-174; 567 to I-80			
Traffic Count (AADT, year)	6,100 (CA-174); 27,600 (I-80) (2015)			
Ground Cover:	Paved			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary		
Parameter Code	44201	88502		
Basic monitoring objective(s)	NAAQS	Public Information		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	Other		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API T400	Met One BAM1020		
Method code	87	731		
FRM/FEM/ARM/Other	FEM	Other		
Collecting Agency	Placer County	Placer County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	CARB	CARB		
Spatial scale	Neighborhood	Neighborhood		
Monitoring start date	01/01/1992	1/1/2012		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	6.7	7.5		
Distance from supporting structure (meters)	1.4	2.2		
Distance from obstructions on roof (meters)	No obstructions	No obstacles		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstacles		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	14.0	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	No		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly		
Frequency of one-point QC check for gaseous instruments	Every 8-10 days	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/26/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/01/2021 08/26/2021		

Local Site Name:	Lincoln-Moore Road			
AQS ID:	06-061-2003			
GPS Coordinates:	38.86794, -121.33835			
Street Address:	2885 Moore Road, Lincoln, 95648			
County:	Placer			
Distance to roadways (meters):	20 to Moore Road			
Traffic Count (AADT, year)	500 (2019)			
Ground Cover:	Grass			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary		
Parameter Code	44201	88502		
Basic monitoring objective(s)	NAAQS	Public Information		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	Other		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API T400	Met One BAM1020		
Method code	87	731		
FRM/FEM/ARM/Other	FEM	Other		
Collecting Agency	Placer County	Placer County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	CARB	CARB		
Spatial scale	Neighborhood	Neighborhood		
Monitoring start date	11/1/2018	11/1/2018		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	3.6	4.4		
Distance from supporting structure (meters)	1.1	2.2		
Distance from obstructions on roof (meters)	No obstructions	No obstacles		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	12.1	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	No		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly		
Frequency of one-point QC check for gaseous instruments	Every 8-10 days	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/25/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/02/2021 08/25/2021		

Local Site Name:	Tahoe City-Fairway Drive			
AQS ID:	06-061-1004			
GPS Coordinates:	39.16602, -120.14883			
Street Address:	221 Fairway Drive, Tahoe City, 96145			
County:	Placer			
Distance to roadways (meters):	280 to CA- 89; 377 to CA-28			
Traffic Count (AADT,year)	10,800 (CA- 89); 11,800 (CA-28) (2015)			
Ground Cover:	Dirt			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary		
Parameter Code	44201	88502		
Basic monitoring objective(s)	NAAQS	Public Information		
Site type(s)	General Background	General Background		
Monitor type(s)	SLAMS	Other		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API T400	Met One BAM1020		
Method code	87	731		
FRM/FEM/ARM/Other	FEM	Other		
Collecting Agency	Placer County	Placer County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	CARB	CARB		
Spatial scale	Urban	Urban		
Monitoring start date	11/01/2013	11/01/2013		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	3.6	4.4		
Distance from supporting structure (meters)	1.2	2		
Distance from obstructions on roof (meters)	No obstructions	No obstacles		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstacles		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	13.3	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	No		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly		
Frequency of one-point QC check for gaseous instruments	Every 8-10 days	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/27/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	03/01/2021 08/27/2021		

Local Site Name:	Roseville-N Sunrise Ave				
AQS ID:	06-061-0006				
GPS Coordinates:	38.74643, -121.26498				
Street Address:	151 N Sunrise Ave, Roseville, 95661				
County:	Placer				
Distance to roadways (meters):	330 to I-80				
Traffic Count (AADT, year)	175,500 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Supplementary	
Parameter Code	42602	44201	81102	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	Public Information	
Site type(s)	Population Exposure	Highest Concentration	Highest Concentration	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	Other	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Thermo 42i	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	
Method code	74	87	122	731	
FRM/FEM/ARM/Other	FRM	FEM	FEM	Other	
Collecting Agency	ARB	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	01/13/1993	01/13/1993	4/1/2015	6/23/2004	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	8.5	8.5	7.9	7.9	
Distance from supporting structure (meters)	3.5	3.5	2.9	2.9	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	19.3	17.3	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/18/2021	8/18/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	02/22/2021 08/18/2021	02/22/2021 08/18/2021	

Shasta County AQMD

Local Site Name	Anderson-North Street			
AQS ID	06-089-0007			
GPS Coordinates	40.45318, -122.29883			
Street Address	2220 North St, Anderson, 96007			
County	Shasta			
Distance to roadways (meters)	717 to CA-273; 818 to I-5			
Traffic Count (AADT, year)	8,600 (CA-273); 51,000 (I-5) (2015)			
Ground Cover	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other)	Redding Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM10, 1		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary		
Parameter Code	44201	81102		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Population Exposure	Highest Concentration		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Sierra Andersen 1200		
Method code	87	63		
FRM/FEM/ARM/Other	FEM	FRM		
Collecting Agency	Shasta County	Shasta County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB		
Reporting Agency	Shasta County	ARB		
Spatial scale	Neighborhood	Neighborhood		
Monitoring start date	05/01/1993	05/01/1993		
Current sampling frequency	Continuous	1:6		
Required sampling frequency including exceptional events	N/A	1:6		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	7	5.5		
Distance from supporting structure (meters)	3	>2		
Distance from obstructions on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.9	N/A		
Will there be changes within the next 18 months?	No	Closed		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	<90 days		
Frequency of flow rate verification for automated PM analyzers	N/A	N/A		
Frequency of one-point QC check for gaseous instruments	weekly	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/11/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	10/11/2021		

Local Site Name	Lassen Volcanic NP			
AQS ID	06-089-3003			
GPS Coordinates	40.539991, -121.576462			
Street Address	Manzanita Lake RS, Lassen Volcanic NP			
County	Shasta			
Distance to roadways (meters)	778 to CA-44			
Traffic Count (AADT,year)	1,150 (2015)			
Ground Cover	Dirt			
Representative statistical area name (i.e. MSA, CBSA, other)	Redding Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1			
Primary, QA-Audit, Supplementary, or N/A	N/A			
Parameter Code	44201			
Basic monitoring objective(s)	NAAQS & Research			
Site type(s)	General Background			
Monitor type(s)	Non-EPA Federal			
Network affiliation(s)	CASTNET			
Instrument manufacturer and model	Thermo 49C			
Method code	87			
FRM/FEM/ARM/Other	FEM			
Collecting Agency	National Park Service			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A			
Reporting Agency	National Park Service			
Spatial scale	Regional			
Monitoring start date	11/1/1987			
Current sampling frequency	Continuous			
Required sampling frequency including exceptional events	N/A			
Sampling season	1-Jan - 31-Dec			
Probe height (meters)	8			
Distance from supporting structure (meters)	N/A			
Distance from obstructions on roof (meters)	No obstructions			
Height above probe for obstructions on roof (meters)	N/A			
Distance from obstructions not on roof (meters)	8 (Tree) *			
Height above probe for obstructions not on roof (meters)	15			
Distance to nearest tree drip line (meters)	7.5 *			
Distance to furnace or incinerator flue (meters)	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A			
Will there be changes within the next 18 months?	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	11.2			
Frequency of flow rate verification for automated PM analyzers	N/A			
Frequency of one-point QC check for gaseous instruments	Daily			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/12/2021			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A			
		Notes: * Distance to tree is 8m; height unknown. Waiver (EPA) was granted in 2014.		

Local Site Name:	Redding - Health Department				
AQS ID:	06-089-0004				
GPS Coordinates:	40.55013, -122.38092				
Street Address:	2630 Breslauer Way, Redding, 96001				
County:	Shasta				
Distance to roadways (meters):	530 to CA-273				
Traffic Count (AADT,year)	19,200 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Redding Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1	PM2.5, 1	PM2.5, 3	PM10, 2	
Primary, QA-Audit, Supplementary, or N/A	N/A	Supplementary	Primary	Primary	
Parameter Code	44201	88101	88101	81102	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure; Highest Concentration	Population Exposure	Population Exposure	Highest Concentration	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	R & P 2000	Met One BAM 1022	Sierra Andersen 1200	
Method code	87	143	209	63	
FRM/FEM/ARM/Other	FEM	FRM	FEM	FRM	
Collecting Agency	Shasta County	Shasta County	Shasta County	Shasta County	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	N/A	ARB	
Reporting Agency	Shasta County	ARB	Shasta County	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	05/01/1990	02/19/1998	2/23/2019	01/01/1988	
Current sampling frequency	Continuous	1:12	Continuous	1:6	
Required sampling frequency including exceptional events	N/A	1:12	N/A	1:6	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	9.6	8.7	9	8.3	
Distance from supporting structure (meters)	3	>2	>2	>2	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	>2	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, Pyrex Borosilicate	N/A	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.1	N/A	N/A	N/A	
Will there be changes within the next 18 months?	No	No	Yes	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	No	N/A	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	Monthly	Quarterly	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	Weekly	N/A	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/12/2021	N/A	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	04/13/2021 10/12/2021	04/13/2021 10/12/2021	04/13/2021 10/12/2021	

Local Site Name:	Shasta Lake - Lake Blvd				
AQS ID:	06-089-0009				
GPS Coordinates:	40.68908, -122.40226				
Street Address:	13791 Lake Blvd., Shasta Lake, 96019				
County:	Shasta				
Distance to roadways (meters):	259 to CA-151				
Traffic Count (AADT, year)	1,650 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Redding Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	N/A				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 265				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Shasta County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	Shasta County				
Spatial scale	Neighborhood				
Monitoring start date	04/01/2009				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	5.1				
Distance from supporting structure (meters)	1.5				
Distance from obstructions on roof (meters)	no obstructions *				
Height above probe for obstructions on roof (meters)	1.5				
Distance from obstructions not on roof (meters)	no obstructions *				
Height above probe for obstructions not on roof (meters)	30.5				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	15.6				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				Notes: * Cell tower is not considered an obstruction. Distance to probe is 6m.
Frequency of one-point QC check for gaseous instruments	weekly				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/13/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	Shasta Lake-La Mesa				
AQS ID:	06-089-0008				
GPS Coordinates:	40.67707, -122.37429				
Street Address:	4066 La Mesa Ave, Shasta Lake, 96019				
County:	Shasta				
Distance to roadways (meters):	488 to CA-151				
Traffic Count (AADT,year)	4,500 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Redding Metropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Sierra Andersen 1200				
Method code	63				
FRM/FEM/ARM/Other	FRM				
Collecting Agency	Shasta County				
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	01/01/2004				
Current sampling frequency	1:6				
Required sampling frequency including exceptional events	1:6				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	7.5				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	Closed				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Quarterly				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	04/13/2021 10/13/2021				

Siskiyou County APCD

Local Site Name	Yreka				
AQS ID	06-093-2001				
GPS Coordinates	41.72679, -122.63359				
Street Address	530 S. Foothill Dr., Yreka, 96097				
County	Siskiyou				
Distance to roadways (meters)	437 to I-5; 496 to CA-3				
Traffic Count (AADT,year)	16,500 (I-5); 8,700 (CA-3) (2015)				
Ground Cover	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other)	None				
Pollutant, POC	Ozone, 1	PM2.5, 3			
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary following POC 1 shutdown			
Parameter Code	44201	88101			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Highest Conc; Regional Transport; Pop. Exposure	Population Exposure			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Teledyne API 400E	Met One BAM 1020			
Method code	87	170			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	Siskiyou County	Siskiyou County			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	ARB	Siskiyou County			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	01/01/1981	7/1/2018			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	3.4	3.7			
Distance from supporting structure (meters)	N/A	N/A			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	3.5	N/A			
Will there be changes within the next 18 months?	NO	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Biweekly			
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly			
Frequency of one-point QC check for gaseous instruments	Daily	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/14/2021	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	04/14/2021 10/14/2021			

Tehama County APCD

Local Site Name	Red Bluff - Walnut Street			
AQS ID	06-103-0007			
GPS Coordinates	40.17088, -122.25556			
Street Address	1834 Walnut Street, Red Bluff, 96080			
County	Tehama			
Distance to roadways (meters)	1,860 to CA-36			
Traffic Count (AADT, year)	11,400 (2015)			
Ground Cover	Grass			
Representative statistical area name (i.e. MSA, CBSA, other)	Red Bluff Micropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM10, 1	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Primary	
Parameter Code	44201	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Highest Concentration	General Background	
Monitor type(s)	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Sierra Anderson 1200	Met One BAM1020	
Method code	87	63	170	
FRM/FEM/ARM/Other	FEM	FRM	FEM	
Collecting Agency	Tehama County APCD	Tehama County APCD	Tehama County APCD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	1/29/2015	1/24/2015	3/1/2016	
Current sampling frequency	Continuous	1:6	Continuous	
Required sampling frequency including exceptional events	N/A	1:6	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	6.9	6.3	7.2	
Distance from supporting structure (meters)	2.4	>2	2.7	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	17	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Pyrex, borosilicate glass	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	8.3	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Weekly	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	10/15/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	04/12/2021 10/15/2021	04/12/2021 10/15/2021	

Local Site Name	Tuscan Butte (seasonal)			
AQS ID	06-103-0004			
GPS Coordinates	40.26207, -122.09265			
Street Address	Fire Lookout Atop Tuscan Butte, Tuscan Butte, 95080			
County	Tehama			
Distance to roadways (meters)	3,076 to CA-36			
Traffic Count (AADT,year)	1,200 (2015)			
Ground Cover	Gravel			
Representative statistical area name (i.e. MSA, CBSA, other)	Red Bluff Micropolitan Statistical Area			
Pollutant, POC	Ozone, 1			
Primary, QA-Audit, Supplementary, or N/A	Primary			
Parameter Code	44201			
Basic monitoring objective(s)	NAAQS			
Site type(s)	Highest Concentration			
Monitor type(s)	SLAMS			
Network affiliation(s)	N/A			
Instrument manufacturer and model	Teledyne API 400			
Method code	87			
FRM/FEM/ARM/Other	FEM			
Collecting Agency	ARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A			
Reporting Agency	ARB			
Spatial scale	Regional			
Monitoring start date	06/01/1995			
Current sampling frequency	Continuous			
Required sampling frequency including exceptional events	N/A			
Sampling season	Apr-Oct			
Probe height (meters)	4.3			
Distance from supporting structure (meters)	1.1			
Distance from obstructions on roof (meters)	No obstructions			
Height above probe for obstructions on roof (meters)	N/A			
Distance from obstructions not on roof (meters)	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A			
Distance to nearest tree drip line (meters)	N/A (No trees)			
Distance to furnace or incinerator flue (meters)	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	5.8			
Will there be changes within the next 18 months?	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A			
Frequency of one-point QC check for gaseous instruments	Daily			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/12/2021			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A			

Tuolumne County APCD

Local Site Name:	Sonora - Barretta Street				
AQS ID:	06-109-0005				
GPS Coordinates:	37.98178, -120.37855				
Street Address:	251 S. Barretta St, Sonora, 95370				
County:	Tuolumne				
Distance to roadways (meters):	355 to CA-49				
Traffic Count (AADT, year)	18,300 (2015)				
Ground Cover:	Gravel				
Representative statistical area name (i.e. MSA, CBSA, other):	Sonora Micropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	ARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	07/01/1992				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.8				
Distance from supporting structure (meters)	1.0				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10 meters				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.9				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Monthly				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/16/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Ventura County APCD

Local Site Name:	El Rio-Rio Mesa School #2				
AQS ID:	06-111-3001				
GPS Coordinates:	34.25239, -119.14318				
Street Address:	545 Central Av, El Rio, 93030				
County:	Ventura				
Distance to roadways (meters):	1,116 to CA-232				
Traffic Count (AADT,year)	14,600 (2015)				
Ground Cover:	Asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area				
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	N/A	
Parameter Code	42602	44201	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	PAMS	PAMS	N/A	N/A	
Instrument manufacturer and model	Teledyne API 200	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	
Method code	99	87	122	170	
FRM/FEM/ARM/Other	FRM	FEM	FEM	FEM	
Collecting Agency	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD	
Spatial scale	Urban	Urban	Neighborhood	Neighborhood	
Monitoring start date	01/01/1980	01/01/1979	07/22/2012	01/26/2012	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	4.4	4.4	4.6	4.7	
Distance from supporting structure (meters)	1.9	1.9	2.1	2.2	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, borosilicate glass	Teflon, borosilicate glass	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	11.0	11.5	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Biweekly	Biweekly	
Frequency of one-point QC check for gaseous instruments	Every Other Day	Every Other Day	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/18/2021	11/18/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	05/12/2021 11/18/2021	05/12/2021 11/18/2021	

Local Site Name:	Ojai - East Ojai Ave			
AQS ID:	06-111-1004			
GPS Coordinates:	34.44806, -119.23130			
Street Address:	1201 E. Ojai Ave, Ojai, 93023			
County:	Ventura			
Distance to roadways (meters):	366 to CA-150			
Traffic Count (AADT, year)	6,500 (2015)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A		
Parameter Code	44201	88101		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020		
Method code	87	170		
FRM/FEM/ARM/Other	FEM	FEM		
Collecting Agency	Ventura County APCD	Ventura County APCD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	Ventura County APCD	Ventura County APCD		
Spatial scale	Urban	Neighborhood		
Monitoring start date	04/01/1996	11/29/2011		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	4.4	4.8		
Distance from supporting structure (meters)	1.9	2.3		
Distance from obstructions on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	None		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, borosilicate glass	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	11.1	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Biweekly		
Frequency of one-point QC check for gaseous instruments	Every Other Day	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/18/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	05/12/2021 11/18/2021		

Local Site Name:	Piru - Pacific				
AQS ID:	06-111-0009				
GPS Coordinates:	34.40428, -118.80998				
Street Address:	3301 Pacific Ave, Piru, 93040				
County:	Ventura				
Distance to roadways (meters):	403 to CA-126				
Traffic Count (AADT, year)	23,500 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1	PM2.5, 3			
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A			
Parameter Code	44201	88101			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Population Exposure	Highest Concentration			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020			
Method code	87	170			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	Ventura County APCD	Ventura County APCD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	Ventura County APCD	Ventura County APCD			
Spatial scale	Urban	Neighborhood			
Monitoring start date	11/03/2000	11/15/2011			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	4.4	4.9			
Distance from supporting structure (meters)	1.8	2.3			
Distance from obstructions on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions on roof (meters)	N/A	N/A			
Distance from obstructions not on roof (meters)	No obstructions	No obstructions			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	>10	>10			
Distance to furnace or incinerator flue (meters)	N/A	N/A			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A			
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, borosilicate glass	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	13.5	N/A			
Will there be changes within the next 18 months?	No	No			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes			
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Biweekly			
Frequency of one-point QC check for gaseous instruments	Every Other Day	N/A			
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/16/2021	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	05/11/2021 11/16/2021			

Local Site Name:	Simi Valley - Cochran Street				
AQS ID:	06-111-2002				
GPS Coordinates:	34.27632, -118.68369				
Street Address:	5400 Cochran St, Simi Valley, 93063				
County:	Ventura				
Distance to roadways (meters):	758 to CA-118				
Traffic Count (AADT, year)	125,000 (2015)				
Ground Cover:	Paved				
Representative statistical area name (i.e. MSA, CBSA, other):	Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area				
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3	PM2.5, 4
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	QA-Audit
Parameter Code	42602	44201	81102	88101	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	Public Information
Site type(s)	Highest Concentration	Highest Concentration	Population Exposure	Highest Concentration	Highest Concentration
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	PAMS	PAMS	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 200	Teledyne API 400	Met One BAM 1020	Met One BAM 1020	Met One BAM 1020
Method code	99	87	122	170	170
FRM/FEM/ARM/Other	FRM	FEM	FEM	FEM	FEM
Collecting Agency	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD	Ventura County APCD
Spatial scale	Urban	Urban	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	06/01/1985	06/01/1985	06/19/2012	06/29/2013	03/17/2014
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	3.6	3.6	4.6	4.8	4.8
Distance from supporting structure (meters)	1.1	1.1	2.1	2.3	2.3
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	No obstructions	No obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	>10
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	None	None
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	2.1	2.1
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, borosilicate glass	Teflon, borosilicate glass	N/A	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	12.7	10.9	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	Yes	Yes
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Biweekly	Biweekly	Biweekly
Frequency of one-point QC check for gaseous instruments	Every Other Day	Every Other Day	N/A	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/17/2021	11/17/2021	N/A	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	05/11/2021 11/17/2021	05/11/2021 11/17/2021	05/11/2021 11/17/2021

Local Site Name:	Thousand Oaks-Moorpark Road			
AQS ID:	06-111-0007			
GPS Coordinates:	34.21017, -118.87051			
Street Address:	2323 Moorpark Rd, Thousand Oaks, 91360			
County:	Ventura			
Distance to roadways (meters):	1,622 to CA-23			
Traffic Count (AADT, year)	112,000 (2015)			
Ground Cover:	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other):	Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A		
Parameter Code	44201	88101		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API 400	Met One BAM 1020		
Method code	87	170		
FRM/FEM/ARM/Other	FEM	FEM		
Collecting Agency	Ventura County APCD	Ventura County APCD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	Ventura County APCD	Ventura County APCD		
Spatial scale	Urban	Neighborhood		
Monitoring start date	03/01/1992	01/07/2012		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	4.4	4.9		
Distance from supporting structure (meters)	1.8	2.3		
Distance from obstructions on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	No obstructions	No obstructions		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	>10	>10		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon, borosilicate glass	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	13.5	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Biweekly		
Frequency of one-point QC check for gaseous instruments	Every Other Day	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/16/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	05/12/2021 11/16/2021		

Yolo-Solano AQMD

Local Site Name:	Davis-UCD Campus			
AQS ID:	06-113-0004			
GPS Coordinates:	38.53455, -121.77340			
Street Address:	Campbell Rd, Davis, 95616			
County:	Yolo			
Distance to roadways (meters):	502 to CA-113			
Traffic Count (AADT, year)	39,300 (2015)			
Ground Cover:	Dirt			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	NO2, 1	Ozone, 1	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	
Parameter Code	42602	44201	88502	
Basic monitoring objective(s)	NAAQS	NAAQS	Public Information	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	Other	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Thermo 42iQ	Teledyne API 400	Met One BAM 1020	
Method code	74	87	731	
FRM/FEM/ARM/Other	FRM	FEM	Other	
Collecting Agency	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	05/21/1996	09/01/1987	8/14/2003	
Current sampling frequency	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	5.1	5.1	5.4	
Distance from supporting structure (meters)	1.7	1.7	2	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	10.2	10.3	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	No	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/23/2021	8/23/2021	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A	02/25/2021 08/23/2021	

Local Site Name:	Vacaville-Merchant Street				
AQS ID:	06-095-3001				
GPS Coordinates:	38.35140, -121.99410				
Street Address:	650 Merchant St, Vacaville, 95688				
County:	Solano				
Distance to roadways (meters):	607 to I-80				
Traffic Count (AADT, year)	174,000 (2015)				
Ground Cover:	Grass and asphalt				
Representative statistical area name (i.e. MSA, CBSA, other):	Vallejo-Fairfield Metropolitan Statistical Area				
Pollutant, POC	PM10, 2				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	GMW Model 1200				
Method code	63				
FRM/FEM/ARM/Other	FRM				
Collecting Agency	Yolo-Solano AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	01/01/1988				
Current sampling frequency	1:6				
Required sampling frequency including exceptional events	1:6				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	8.5				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	02/23/2021 08/05/2021				

Local Site Name:	Vacaville-Ulatis Drive				
AQS ID:	06-095-3003				
GPS Coordinates:	38.35655, -121.94986				
Street Address:	2012 Ulatis Drive, Vacaville, 95687				
County:	Solano				
Distance to roadways (meters):	1,500 to I-80				
Traffic Count (AADT, year)	169,000 (2015)				
Ground Cover:	Dirt				
Representative statistical area name (i.e. MSA, CBSA, other):	Vallejo-Fairfield Metropolitan Statistical Area				
Pollutant, POC	Ozone, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	44201				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure; Highest Concentration				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	Teledyne API 400				
Method code	87				
FRM/FEM/ARM/Other	FEM				
Collecting Agency	Yolo-Solano AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	07/21/2003				
Current sampling frequency	Continuous				
Required sampling frequency including exceptional events	N/A				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	4.4				
Distance from supporting structure (meters)	2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	10.6				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	Weekly				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/5/2021				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A				

Local Site Name:	West Sacramento-15th Street				
AQS ID:	06-113-2001				
GPS Coordinates:	38.57146, -121.52579				
Street Address:	132 W. 15th St, West Sacramento, 95691				
County:	Yolo				
Distance to roadways (meters):	1,338 to I-5; 1,338 to US-50				
Traffic Count (AADT, year)	179,000 (2015)				
Ground Cover:	Pavement				
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
Pollutant, POC	PM10, 1				
Primary, QA-Audit, Supplementary, or N/A	Primary				
Parameter Code	81102				
Basic monitoring objective(s)	NAAQS				
Site type(s)	Population Exposure				
Monitor type(s)	SLAMS				
Network affiliation(s)	N/A				
Instrument manufacturer and model	GMW Model 1200				
Method code	63				
FRM/FEM/ARM/Other	FRM				
Collecting Agency	Yolo-Solano AQMD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB				
Reporting Agency	ARB				
Spatial scale	Neighborhood				
Monitoring start date	09/01/1990				
Current sampling frequency	1:6				
Required sampling frequency including exceptional events	1:6				
Sampling season	1-Jan - 31-Dec				
Probe height (meters)	6.1				
Distance from supporting structure (meters)	>2				
Distance from obstructions on roof (meters)	No obstructions				
Height above probe for obstructions on roof (meters)	N/A				
Distance from obstructions not on roof (meters)	No obstructions				
Height above probe for obstructions not on roof (meters)	N/A				
Distance to nearest tree drip line (meters)	>10				
Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	N/A				
Will there be changes within the next 18 months?	No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A				
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Weekly				
Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments	N/A				
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	02/23/2021 07/28/2021				

Local Site Name:	Woodland-Gibson Road			
AQS ID:	06-113-1003			
GPS Coordinates:	38.66121, -121.73269			
Street Address:	41929 E Gibson Rd, Woodland, 95776			
County:	Yolo			
Distance to roadways (meters):	1,442 to I-5; 1,642 to CA-113			
Traffic Count (AADT, year)	47,300 (2015)			
Ground Cover:	Grass			
Representative statistical area name (i.e. MSA, CBSA, other):	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area			
Pollutant, POC	Ozone, 1	PM10, 1	PM2.5, 1	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	
Parameter Code	44201	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	GMW Model 1200	R & P 2025	
Method code	87	63	118	
FRM/FEM/ARM/Other	FEM	FRM	FRM	
Collecting Agency	Yolo-Solano AQMD	Yolo-Solano AQMD	Yolo-Solano AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	ARB	
Reporting Agency	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	05/27/1998	10/26/1998	01/09/1999	
Current sampling frequency	Continuous	1:6	1:6	
Required sampling frequency including exceptional events	N/A	1:6	1:6	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	3.6	2.2	2.1	
Distance from supporting structure (meters)	1	>2	2	
Distance from obstructions on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	9.3	N/A	N/A	
Will there be changes within the next 18 months?	No	No	Yes	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Monthly	Monthly	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	Weekly	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	7/28/2021	N/A	N/A	
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/23/2021 11/30/2021	02/23/2021 11/30/2021	

San Joaquin Valley APCD

*CARB operated sites outside of the CARB ANP

Local Site Name	Modesto –14th St				
AQS ID	06-099-0005				
GPS Coordinates	37.6421 N, -120.9942 W				
Street Address	814 14th Street, Modesto CA 95354				
County	Stanislaus				
Distance to roadways (meters)	50 m (southwest)				
Traffic Count (AADT, year)	122,000 / 2014 (Traffic count for nearest roads: H Street / Rte 99, Source: Caltrans 2017 AADTT)				
Ground Cover	Paved				
Representative statistical area name (i.e. MSA, CBSA, other)	Modesto				
Pollutant, POC	Ozone, 1	Trace CO, 3	PM10, 7	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	primary	
Parameter Code	44201	42101	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Teledyne API 300	Met One BAM-1020	Met One BAM-1020	
Method code	593	67	122	170	
FRM/FEM/ARM/Other	FRM	FEM	FEM	FEM	
Collecting Agency	ARB	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	ARB	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	1/1/2013	1/1/1981	12/1/2013	12/7/2020	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	8	8	4.4	4.4	
Distance from supporting structure (meters)	2	2	2	2	
Distance from obstructions on roof (meters)	No Obstructions	No Obstructions	No Obstructions	No Obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No Obstructions	No Obstructions	No Obstructions	No Obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	7.7	6.9	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Semi-Monthly	Semi-Monthly	
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	12/8/2021	12/8/2021			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors			4/14/21, 12/8/21	4/14/21, 12/8/21	

Local Site Name:	Stockton-Hazelton				
AQS ID	06-077-1002				
GPS Coordinates	37.9507 N, -121.2689 W				
Street Address	1601 E Hazelton St, Stockton CA 95205				
County	San Joaquin				
Distance to roadways (meters)	62 m (north)				
Traffic Count (AADT,year)	4000/2014 (Traffic count estimated by City of Stockton Public Works Traffic Engineering Division)				
Ground Cover	Paved				
Representative statistical area name (i.e. MSA, CBSA, other)	Stockton-Lodi				
Pollutant, POC	Ozone, 1	Trace CO, 3	NO2, 2	PM10, 5	PM2.5, 3
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	primary
Parameter Code	44201	42101	42602	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 400	Teledyne API 300	Teledyne API 200	Met One BAM-1020	Met One BAM-1020
Method code	593	67	99	122	170
FRM/FEM/ARM/Other	FRM	FEM	FRM	FEM	FEM
Collecting Agency	ARB	ARB	ARB	ARB	ARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	ARB	ARB	ARB	ARB	ARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	1/1/1976	?	?	1/1/2021	12/7/2020
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	5.7	5.7	5.7	5.7	5.7
Distance from supporting structure (meters)	2	2	2.0	2	2
Distance from obstructions on roof (meters)	No Obstructions	No Obstructions	No obstructions	No Obstructions	No Obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No Obstructions	No Obstructions	No obstructions	No Obstructions	No Obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	>10
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.2	5.8	8.0	N/A	N/A
Will there be changes within the next 18 months?	Site closed 11/2021	Site closed 11/2021	Site closed 11/2021	Site closed 11/2021	Site closed 11/2021
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	Yes
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Semi-Monthly	Semi-Monthly
Frequency of one-point QC check for gaseous instruments	Daily	Daily	Daily	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/3/2021	8/3/2021	8/3/2021		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors				2/26/21, 10/18/21	2/26/21, 10/18/21

Local Site Name:	Stockton - University Park				
AQS ID	06-077-1003				
GPS Coordinates	37.96158 N, -121.28141 W				
Street Address	702 N Aurora Street, Stockton, CA				
County	San Joaquin				
Distance to roadways (meters)	60 m (north)				
Traffic Count (AADT,year)	3600/2020 (Traffic count estimated by City of Stockton Public Works Traffic Engineering Division)				
Ground Cover	Paved				
Representative statistical area name (i.e. MSA, CBSA, other)	Stockton-Lodi				
Pollutant, POC	Ozone, 1	Trace CO, 3	NO2, 2	PM10, 5	PM2.5, 3
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	N/A	Primary	primary
Parameter Code	44201	42101	42602	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation(s)	N/A	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Teledyne API 400	Teledyne API 300	Teledyne API 200	Met One BAM-1020	Met One BAM-1020
Method code	593	67	99	122	170
FRM/FEM/ARM/Other	FRM	FEM	FRM	FEM	FEM
Collecting Agency	ARB	ARB	ARB	ARB	ARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	ARB	ARB	ARB	ARB	ARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	11/5/2021	11/5/2021	11/5/2021	11/5/2021	11/5/2021
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	Continuous
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec
Probe height (meters)	5.7	5.7	5.7	5.7	5.7
Distance from supporting structure (meters)	2	2	2.0	2	2
Distance from obstructions on roof (meters)	No Obstructions	No Obstructions	No obstructions	No Obstructions	No Obstructions
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	No Obstructions	No Obstructions	No obstructions	No Obstructions	No Obstructions
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	N/A
Distance to nearest tree drip line (meters)	>10	>10	>10	>10	>10
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	360
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A	N/A
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	7.6	7.6	7.6	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	N/A	Yes
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Semi-Monthly	Semi-Monthly
Frequency of one-point QC check for gaseous instruments	Daily	Daily	Daily	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors					

Sacramento Metropolitan AQMD

*CARB operated sites outside of the CARB ANP

Local Site Name	Sacramento-1309 T Street				
AQS ID	06-067-0010				
GPS Coordinates	38.568440°N, 121.4931190°W				
Street Address	1309 T Street, Sacramento, CA 95814				
County	Sacramento				
Distance to roadways (meters)	30 m				
Traffic Count (AADT, year)	T St. east of 11th St.: 3,102 (City of Sacramento, 2009)				
Ground Cover	Rooftop site (residential area is paved)				
Representative statistical area name (i.e. MSA, CBSA, other)	Sacramento--Arden-Arcade--Roseville, CA				
Pollutant, POC	O3, 1	NO2, 1	PM10, 4	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	
Parameter Code	44201	42602	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Highest Exposure	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	N/A	N/A	N/A	N/A	
Instrument manufacturer and model	Teledyne API 400	Thermo 42iQ	Met One BAM-1020	Met One BAM-1020	
Method code	87	74	122	170	
FRM/FEM/ARM/Other	FEM	FRM	FEM	FEM	
Collecting Agency	CARB	CARB	CARB	CARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	
Reporting Agency	CARB	CARB	CARB	CARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	12/1/1998	5/15/2013	4/1/2007	12/11/2020	
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	
Probe height (meters)	10	10	10	10	
Distance from supporting structure (meters)	2	2	2	2	
Distance from obstructions on roof (meters)	No Obstructions	No Obstructions	No Obstructions	No Obstructions	
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	No Obstructions	No Obstructions	No Obstructions	No Obstructions	
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A	N/A	
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters	>10 meters	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A	
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	N/A	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360	360	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	8	9.1	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	No	
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	semi-monthly	semi-monthly	
Frequency of one-point QC check for gaseous instruments	Daily	Daily	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/10/2021	8/10/2021			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors			2/25/2021, 8/10/2021	2/25/2021, 8/10/2021	

San Luis Obispo APCD

*CARB operated sites outside of the CARB ANP

Local Site Name	Paso Robles			
AQS ID	06-079-0005			
GPS Coordinates	35.61467, -120.65691			
Street Address	235 Santa Fe Ave, Paso Robles			
County	San Luis Obispo			
Distance to roadways (meters)	27 to Santa Fe Ave.; 110 to Sherwood Rd.; 180 to Creston Rd.; 2700 to US 101			
Traffic Count (AADT, year)	Santa Fe Ave.: 75 (estimated); Sherwood Rd.: 10,027 (2017); Creston Rd: 17,347 (2017); US101: 70,500 (2017)			
Ground Cover	Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other)	San Luis Obispo – Paso Robles			
Pollutant, POC	Ozone, 1	PM10, 2		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary		
Parameter Code	44201	81102		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	General/Background	Population Exposure		
Monitor type(s)	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A		
Instrument manufacturer and model	Teledyne API T400	Met One BAM 1020		
Method code	87	122		
FRM/FEM/ARM/Other	FEM	FEM		
Collecting Agency	ARB	ARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	ARB	ARB		
Spatial scale	Neighborhood	Neighborhood		
Monitoring start date	9/1/1991	6/1/2013		
Current sampling frequency	Continuous	Continuous		
Required sampling frequency including exceptional events	N/A	N/A		
Sampling season	1-Jan-31-Dec	1-Jan-31-Dec		
Probe height (meters)	6.2	5.2		
Distance from supporting structure (meters)	2.9	3		
Distance from obstructions on roof (meters)	No Obstructions	No Obstructions		
Height above probe for obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	N/A	N/A		
Height above probe for obstructions not on roof (meters)	N/A	N/A		
Distance to nearest tree drip line (meters)	30	N/A		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360		
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Teflon	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	12.9	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly		
Frequency of one-point QC check for gaseous instruments	Daily	N/A		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/8/2021	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	5/10/2021, 11/8/2021		

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Appendix B

Ozone Seasonal Monitoring Waiver Renewal Request

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Ozone Seasonal Waiver Renewal Request

WAIVER JUSTIFICATION FOR SEASONAL OZONE MONITORING SITES

California’s ozone monitoring season is defined in 40 Code of Federal Regulations (CFR) Part 58, Appendix D, Table D-3, as January through December. However, section 4.1(i) of the same regulation allows for deviations from the listed ozone season on a state-by-state basis, provided that sufficient information is provided to the United States Environmental Protection Agency (U.S. EPA) and approved by the Regional Administrator. The California Air Resources Board (CARB) maintains six ozone monitors that only operate seasonally during the months of April through October. None of these monitors have ever operated year-round. In 2016, U.S. EPA renewed CARB’s seasonal ozone waiver with an increase in the ozone season from six months (May - October) to seven months with the inclusion of April. The purpose of this document is to provide justification for continuing the waivers utilizing the most recent data and evaluating those data against the current 0.070 ppm federal 8-hour standard.

CARB staff has updated several tables and graphs which demonstrated in the past that an April through October monitoring season is adequate for the six seasonal ozone monitors. The following analyses provide the justification needed for the U.S. EPA to continue to grant a waiver for the seasonal sites, in accordance with 40 CFR Part 58.12 (a)(3). The six ozone monitors included in the analyses are listed in Table 1 and shown in Figure 1. However, the White Cloud Mountain site has not operated since 2016 due to various operational issues at the current location. Therefore, no additional analysis is included for this site.

**TABLE 1
SEASONAL OZONE MONITORS**

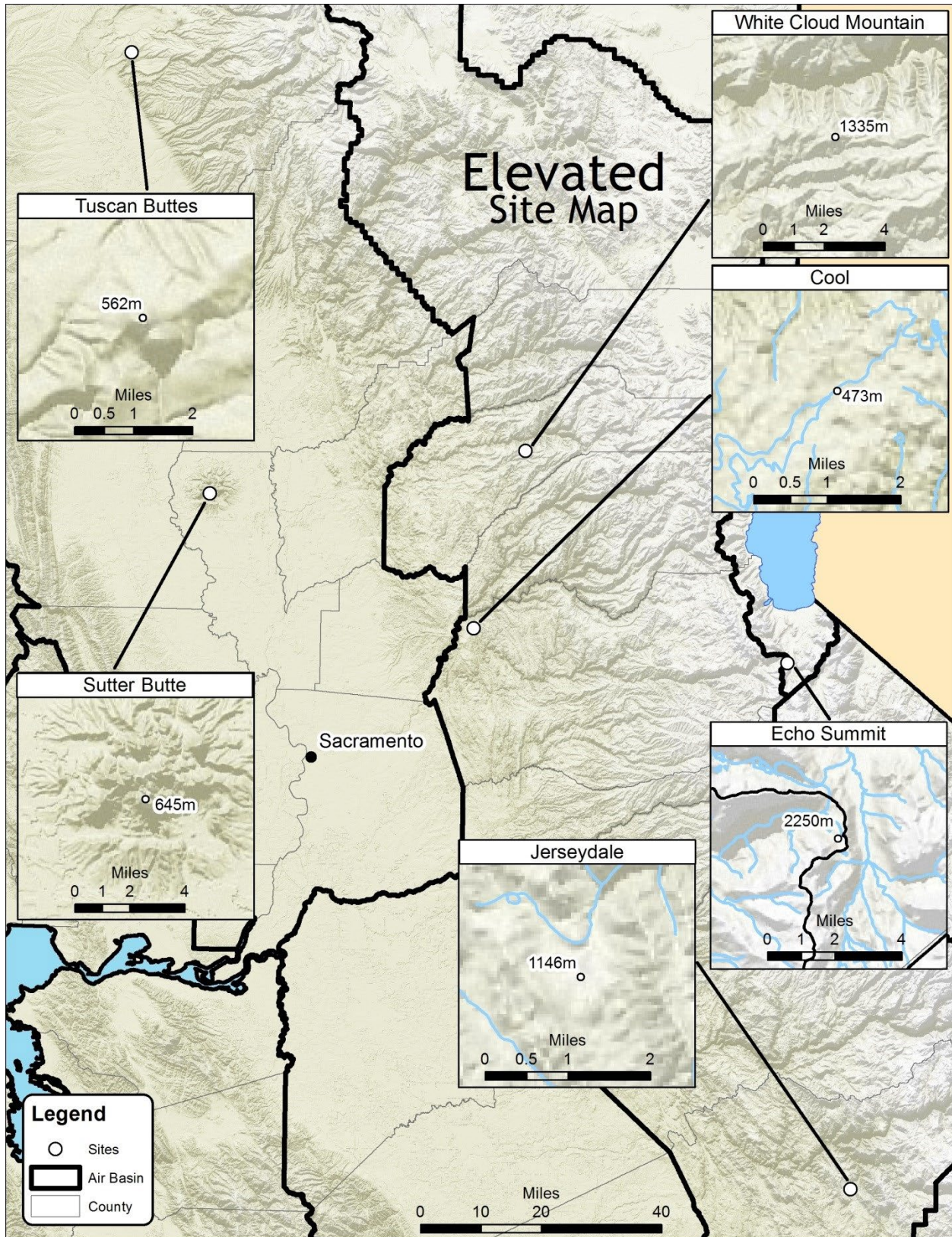
Site Name	AQS ID	County	Start Year	Current Operating Season	Preliminary 2021 Design Value (ppm) ¹
Echo Summit ²	060170012	El Dorado	2000	April-October	0.071
Cool	060170020	El Dorado	1996	April-October	0.076
Jerseydale	060430006	Mariposa	1995	April-October	0.081
White Cloud Mountain	060570007	Nevada	1995	April-October	N/A ³
Sutter Buttes	061010004	Sutter	1993	April-October	0.075
Tuscan Butte	061030004	Tehama	1995	April-October	0.072

¹ Data obtained on March 29, 2022, from CARB’s ADAM database: <https://www.arb.ca.gov/adam> and CARB’s AQMIS database: <https://www.arb.ca.gov/aqmis2/aqmis2.php>

² Echo Summit site did not operate in April of 2017, 2019 and 2020.

³ White Cloud Mountain site has not operated since 2016 due to shelter and power issues. A date for the relocation and startup of a new site is unknown at this time.

**FIGURE 1
CARB SEASONAL OZONE MONITORING SITES**



Ozone concentration data used in the analyses were retrieved from CARB's ADAM and AQMIS databases in March 2021. Average of the monthly maximum 8-hour ozone concentrations for each seasonal site covering a 5-year period from 2017 to 2021 are shown in Figures 2 through 6. In addition to averages for the seasonal sites, averages for the closest surrounding site(s) that operate year-round are also depicted. Beginning with 2016, ozone monitoring season was extended to include April. However, some of the seasonal sites were not operated in April during certain years (Echo Summit in 2017, 2019 through 2021; Jerseydale in 2019; Tuscan Butte in 2017) or their April data was invalidated or incomplete (Echo Summit in 2018; Jerseydale in 2017; Tuscan Butte in 2018). Additionally, to enhance understanding of the seasonal variations in ozone concentrations, the highest monthly maximum 8-hour ozone concentrations for each of the five years are also shown in Table 2.

Figures 2 to 6 and Table 2 indicate that seasonal sites and their surrounding site(s) show similar seasonal variations and have higher concentrations during summer months (June through September), when weather conditions are conducive to ozone formation and buildup. It shows that the average concentrations at the seasonal sites during June through September were 17 percent higher than the averages of the preceding months (April/May) and 14 percent higher than the averages of the following month (October). Concentrations at the year-round sites show that the average percent difference between the months of March to April was 10 percent, which is almost similar to those between the months of April to May (11percent). In addition, on average, the concentrations dropped 15 percent from September to October, and 25 percent from October to November. These indicate that maximum ozone concentrations are significantly lower in the early spring and late fall months than in the summer ozone season months. Thus, for the seasonal ozone monitoring sites, the April through October monitoring season captures the highest annual concentrations.

In addition, fourth-highest daily maximum 8-hour average ozone concentrations, used in calculating design values, were also estimated. These are compared with the federal standard to determine an area's designation status. The annual fourth-highest daily maximum 8-hour average ozone concentrations for each of the seasonal and year-round sites are shown in Table 3, along with the measurement date. Nearly all of the fourth-highest concentrations occurred between June and September, indicate that those are the key monitoring months. Only two of the fourth-highest concentrations, across all of the seasonal sites, occurred in April (Sutter Buttes, 2017) or May (Tuscan Butte, 2021) . It is important to note that, the fourth-highest concentrations at the seasonal sites are generally lower than those at the surrounding sites, reflecting the fact that the seasonal ozone sites are not the design sites for their respective planning areas.

The two exceptions are the Sutter Buttes and the Tuscan Butte sites, which present unique situations. Sutter Buttes and Tuscan Butte are high elevation sites, located on isolated hilltops (refer to Figures 8 and 9). The sites were originally deployed to measure the impact of pollutant transport. Because there are no nearby developed areas, ozone concentrations measured at Sutter Buttes and Tuscan Butte are not representative of population exposure. U.S. EPA recognized the uniqueness of the Sutter Buttes site when promulgating area

designations for the 0.080 ppm federal 8-hour ozone standard. U.S. EPA limited the nonattainment area to the area immediately surrounding the Sutter Buttes monitor. Although concentrations at Sutter Buttes are higher than those at Yuba City (the closest populated area), concentrations continue to decrease. Tuscan Butte received similar recognition during designations for the 0.075 ppm federal 8-hour standard and the area immediately surrounding the monitor was designated a nonattainment area.

To account for the lower concentration of the current ozone standard, ozone concentrations were evaluated at two thresholds suggested by U.S. EPA: 0.070 ppm, the current ozone standard threshold (Table 4), and 0.054 ppm, the moderate Air Quality Index (AQI) threshold (Table 5). The tables show counts of the number of days above each threshold by site and month. Tables 4 and 5 indicate that there are no exceedances of the 0.070 ppm standards and only a few above the 0.054 ppm threshold at the year-round sites between the months of November and March. Both Tables 4 and 5 clearly indicate that monitoring, based on concentration information alone, is not needed from November through March. Therefore, the current April through October operating season will continue to be adequate.

In addition to air quality, there are other considerations for maintaining a seasonal monitoring schedule at the Echo Summit, Cool, Jerseydale, White Cloud Mountain, Sutter Buttes, and Tuscan Butte locations. For instance, all six seasonal monitoring sites are located in remote, mountainous areas, and at significant distances from CARB headquarters in Sacramento. Also, as denoted in Figure 1, all of the monitors are located at high elevations, with the lowest site, Cool, at 473 meters (1,552 feet) and the highest site, Echo Summit, at 2,250 meters (7,382 feet). These physical characteristics require significant time and resources for servicing the monitoring equipment. Winter weather conditions further complicate the issue, at times making the access roads impassable due to a lack of plowing and unsafe for travel.

Based on our analyses of the measured data against the current 0.070 ppm federal 8-hour standard and other considerations, CARB finds that the April through October monitoring season continues to be adequate for capturing the highest ozone concentrations at the Echo Summit, Cool, Jerseydale, White Cloud Mountain, Sutter Buttes, and Tuscan Butte monitoring sites. Therefore, CARB is recommending that U.S. EPA grant a renewal waiver for seasonal monitoring (April through October) at these sites, in accordance with 40 CFR Part 58.12 (a)(3).

FIGURE 2

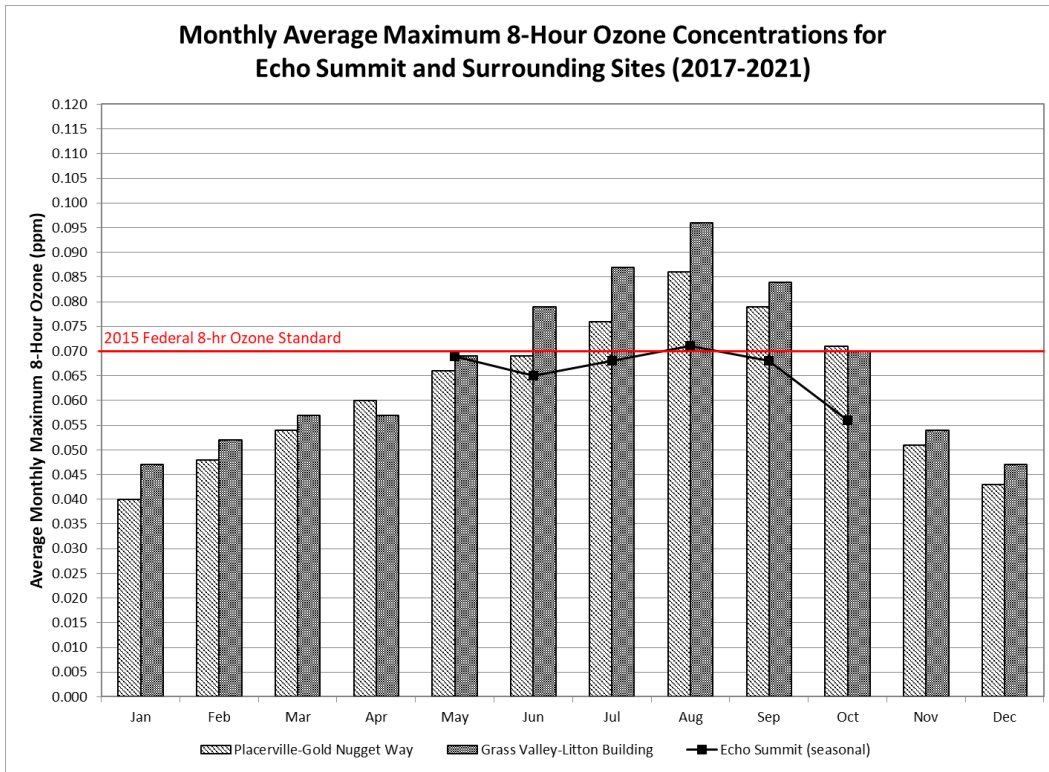


FIGURE 3

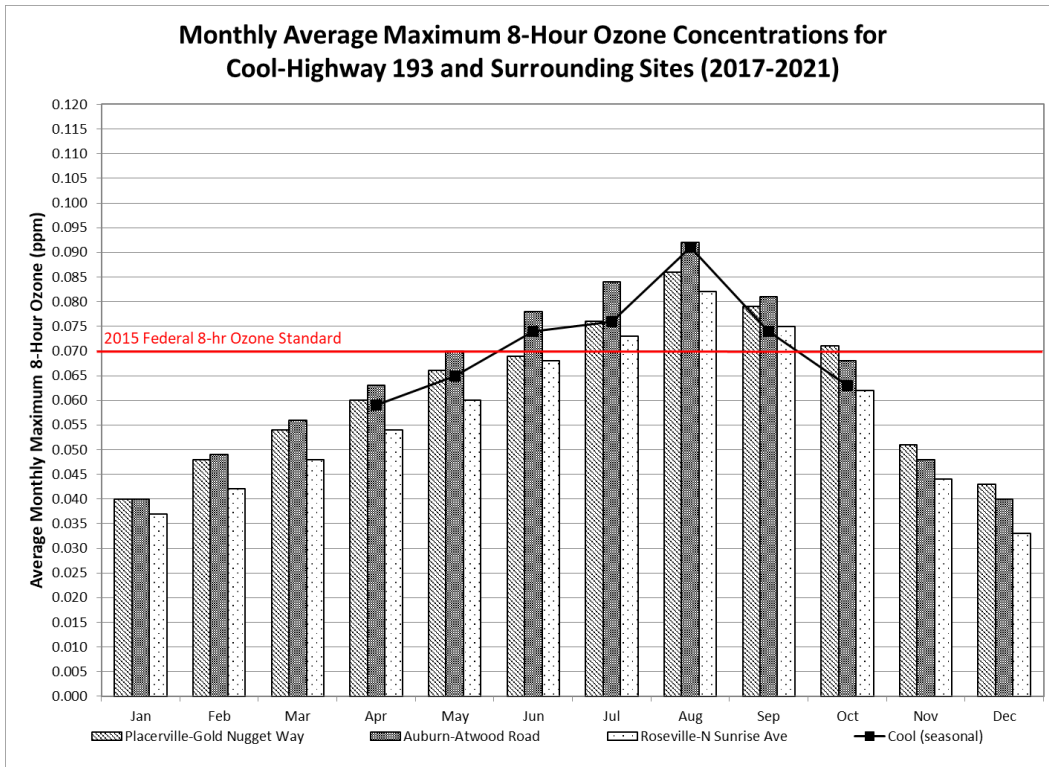


FIGURE 4

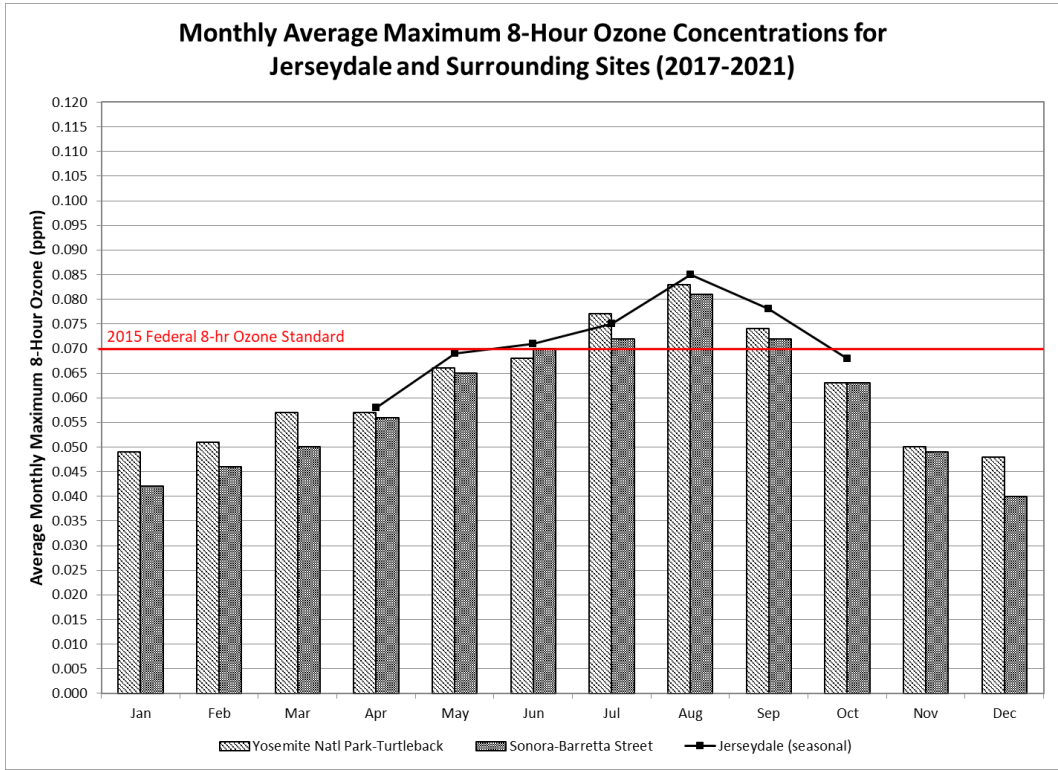
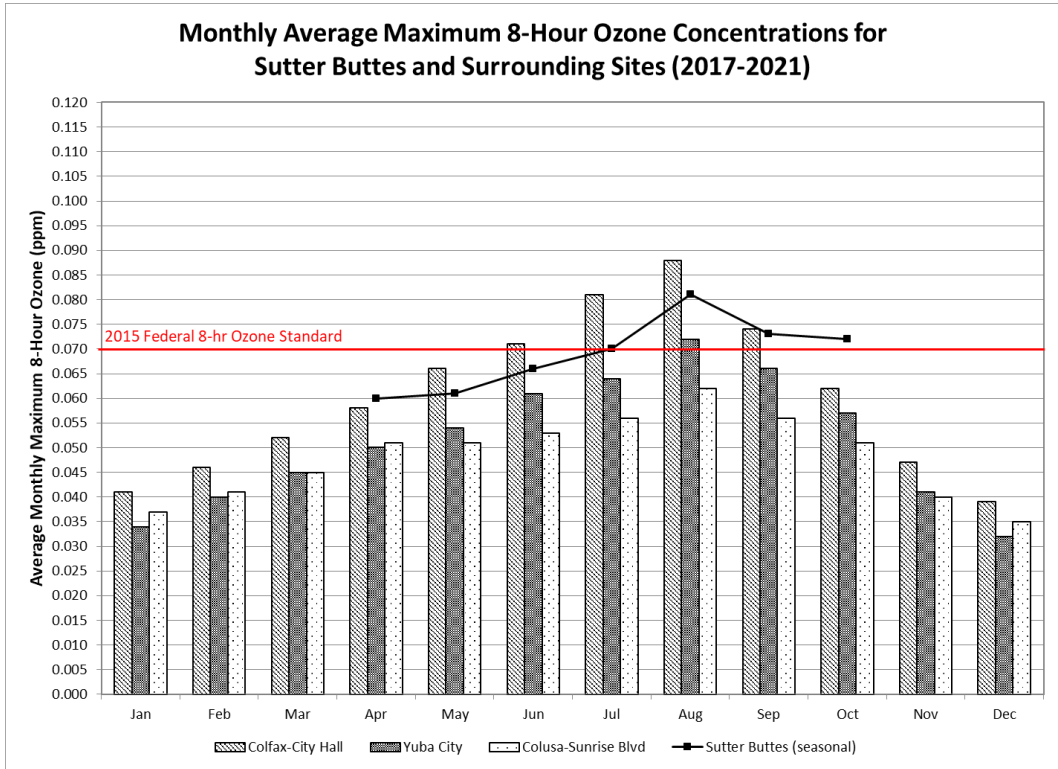


FIGURE 5



Note: The Colfax monitor was included because it is representative of ozone conditions at Sutter Buttes due to its location at a similar altitude and at roughly the same transport distance from the Sacramento metropolitan area.

FIGURE 6

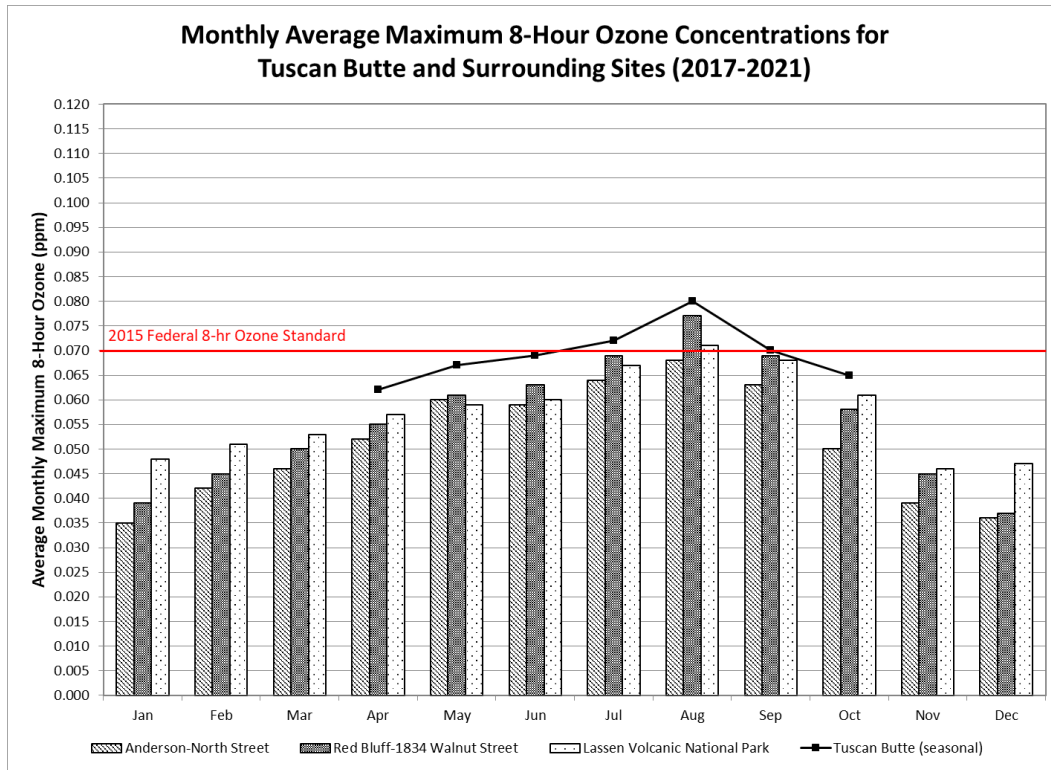


TABLE 2
MONTHLY MAXIMUM 8-HOUR OZONE CONCENTRATIONS AT SEASONAL AND SURROUNDING MONITORING SITES
(Ozone in parts per million)

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '17	0.039	0.043	0.042	0.043			0.044	0.050		0.052		0.041	0.050	0.048				0.061	0.037
FEB '17	0.042	0.048	0.042	0.049			0.045	0.050		0.051	0.052	0.043	0.047	0.051				0.049	0.039
MAR '17	0.043	0.056	0.049	0.051			0.060	0.061		0.056	0.058	0.048	0.046	0.055				0.066	0.044
APR '17	0.046	0.057	0.059	0.053	0.059		0.055	0.064	---	0.059	0.054	0.051	0.052	0.060	0.064			0.065	0.051
MAY '17	---	0.068	0.067	---	0.074	---	0.077	0.087	0.072	0.061	0.074	0.063	0.075	0.071				0.070	0.062
JUN '17	0.059	0.079	0.077	---	0.084	0.066	0.075	0.098	0.067	0.058	---	0.067	0.088	0.082				0.067	0.067
JUL '17	0.065	0.082	---	0.062	0.076	0.072	0.079	0.099	0.075	0.064	0.074	0.066	0.080	0.080		0.072		0.088	0.066
AUG '17	---	0.084	0.078	0.068	0.084	0.057	0.086	0.092	0.083	0.064	0.084	0.078	0.086	0.083		0.077		0.070	0.071
SEP '17	---	0.082	0.077	0.062	0.075	0.066	0.084	0.088	0.078	0.071	0.082	0.082	0.083	0.077		0.075		0.073	0.073
OCT '17	---	0.070	0.065	0.055	0.070	0.057	0.069	0.090	0.066	0.066	0.076	0.056	0.058	0.064		0.065		0.056	0.053
NOV '17	0.040	0.043	0.044	0.041			0.041	0.048		0.045	0.046	0.046	0.036	0.046				0.051	0.036
DEC '17	0.038	0.040	0.044	0.038			0.037	0.053		0.047	0.043	---	0.030	0.042				0.048	0.033
JAN '18	0.028	0.038	0.043	0.038			0.039	0.057		0.048	0.040		0.035	0.039				0.047	0.030
FEB '18	0.044	0.047	0.045	0.041			0.047	0.060		0.048	0.047		0.043	0.045				0.049	0.040
MAR '18	0.045	0.051	0.053	0.048			0.057	0.055		0.053	0.055	0.048	0.052	0.044				0.052	0.042
APR '18	0.059	0.064	0.061	0.061	0.067	---	0.063	0.058	0.057	0.055	0.064	0.061	0.056	0.054	0.065	---		0.058	0.049
MAY '18	0.051	0.067	0.066	0.050	0.063	0.069	0.057	0.061	0.062	0.052	0.058	0.053	0.053	0.060	0.059	0.060		0.062	0.044
JUN '18	0.067	0.079	0.075	0.058	0.075	0.069	0.073	0.072	0.073	0.066	0.070	0.065	0.064	0.067	0.073	0.076		0.069	0.060
JUL '18	0.073	0.107	0.108	0.062	0.092	0.080	0.079	0.101	0.079	0.081	0.088	0.073	0.083	0.084	0.083	0.081		0.092	0.066
AUG '18	0.081	0.115	0.114	0.062	0.108	0.078	0.093	0.101	0.081	0.083	0.099	0.087	0.082	0.087	0.082	0.087		0.087	0.071
SEP '18	---	0.083	0.072	0.058	0.076	0.067	0.081	0.077	0.084	0.064	0.089	0.070	0.078	0.077	0.074	0.071		0.075	0.061
OCT '18	0.046	0.068	0.057	0.055	0.059	0.051	0.071	0.060	0.064	0.053	0.066	0.057	0.064	0.060	0.065	0.064		0.057	0.054
NOV '18	---	0.058	0.053	0.046			0.057	0.062		0.051	0.058	0.049	0.051	0.061				0.057	0.043
DEC '18		0.038	0.038	0.037			0.039	0.046		0.044	0.042	0.036	0.032	0.037				0.046	0.031

TABLE 2 Continued

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '19				0.040			0.039	0.047		0.048	0.041	0.037	0.034	0.042				0.045	0.036
FEB '19				0.040			0.043	0.046		0.052	0.046	0.043	0.038	0.048				0.050	0.037
MAR '19	---	0.056	---	0.046			0.052	0.055		0.052	0.053	0.050	0.045	0.053				0.060	0.039
APR '19	0.055	0.071	0.054	0.052	0.060		0.067	0.056		0.052	0.065	0.058	0.059	0.057	0.061	0.062		0.053	0.044
MAY '19	0.060	0.069	0.059	0.052	0.061	---	0.067	0.059	---	0.055	0.065	0.058	0.057	0.061	0.061	0.064		0.060	0.046
JUN '19	0.063	0.079	0.070	0.054	0.072	0.063	0.072	0.074	0.064	0.061	0.065	0.059	0.067	0.073	0.067	0.067		0.065	0.059
JUL '19	0.063	0.079	0.075	0.055	0.069	0.057	---	0.072	0.068	0.057	0.069	0.065	0.070	0.067	0.065	0.068		0.065	0.069
AUG '19	0.065	0.081	0.077	0.051	0.077	0.057		0.076	0.074	0.059	0.073	0.067	0.076	0.072	0.064	0.068		0.070	0.063
SEP '19	0.055	0.074	0.073	0.048	0.064	0.063		0.077	0.074	0.059	0.075	0.058	0.062	0.069	0.061	0.058		0.073	0.060
OCT '19	0.052	0.067	0.059	0.051	0.062	0.059		0.064	0.068	0.060	0.068	0.060	0.062	0.062	0.066	0.065		0.068	0.056
NOV '19	0.043	0.052	0.052	0.045				0.059		0.045	0.061	0.048	0.049	0.059				0.051	0.045
DEC '19	0.035	0.039	0.039	0.034				0.044		0.046	0.042	0.037	0.035	0.043				0.048	0.031
JAN '20	0.034	0.037	0.037	0.034				0.042		0.048	0.036	0.036	0.033	0.039				0.048	0.031
FEB '20	---	0.054	0.051	0.040				0.055		0.049	0.050	0.050	0.044	0.047				0.050	0.046
MAR '20	0.051	0.058	0.053	0.042				0.059		0.049	0.050	0.051	0.048	0.049				0.056	0.050
APR '20	0.050	0.055	0.054	0.044	0.051			0.052	0.054	0.057	0.055	0.048	0.049	0.054	0.052	0.055		0.053	0.051
MAY '20	0.062	0.070	0.071	0.051	0.063	---		0.068	0.071	0.066	0.067	0.058	0.058	0.067	0.059	0.068		0.070	0.059
JUN '20	0.052	0.072	0.065	0.051	0.066	0.062		---	0.070	0.052	0.069	0.058	0.062	0.066	0.058	0.063		0.067	0.058
JUL '20	0.062	0.072	0.068	0.047	0.066	0.061		---	0.067	0.059	0.071	0.061	0.063	0.063	0.059	0.065		0.064	0.058
AUG '20	0.063	0.089	0.092	0.068	0.096	0.079		0.122	0.100	0.075	0.101	---	0.080	0.083	0.090	0.087		0.100	0.082
SEP '20	0.073	0.083	0.075	0.052	0.075	0.076		0.086	0.078	0.079	0.078	0.063	0.073	0.068	0.083	0.073		0.075	0.066
OCT '20	0.049	0.070	0.064	0.044	0.062	0.057		0.065	0.077	0.058	0.081	0.059	0.063	0.068	0.084	0.068		0.063	0.057
NOV '20	0.039	0.052	0.049	0.042				0.054		0.046	0.052	0.050	0.048	0.046				0.044	0.046
DEC '20	0.034	0.043	0.040	0.029			---	0.042		0.048	0.044	0.039	0.032	0.040				0.045	0.032

**MONTHLY MAXIMUM 8-HOUR OZONE CONCENTRATIONS AT SEASONAL AND SURROUNDING MONITORING SITES
(Ozone in parts per million)**

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '21	0.040	0.042	0.044	0.031			0.039	0.042		0.045	0.043	0.043	0.035	0.043				0.047	0.036
FEB '21	0.042	0.050	0.048	0.037			0.046	0.050		0.056	0.049	0.047	0.039	0.043				0.060	0.041
MAR '21	0.048	0.059	0.056	0.042	---		0.057	0.056		0.059	0.058	0.053	0.050	0.050	---	---		0.052	0.050
APR '21	0.054	0.068	0.065	0.047	0.058		0.066	---	0.064	0.066	0.064	0.059	0.054	0.059	0.062	0.069		0.060	0.057
MAY '21	0.067	0.077	0.070	0.051	0.068	---	0.069	0.074	0.072	0.062	0.068	0.074	0.057	0.066	0.068	0.077		0.071	0.060
JUN '21	0.058	0.081	0.071	0.051	0.074	0.068	0.079	0.072	0.081	0.064	0.072	0.070	0.060	0.065	0.067	0.073		0.073	0.061
JUL '21	0.061	0.082	0.075	0.055	0.080	0.070	0.091	0.079	0.089	0.076	0.080	0.081	0.070	0.067	0.073	0.078		0.076	0.063
AUG '21	0.065	0.094	0.083	0.064	0.091	0.085	0.096	0.092	0.090	0.077	0.076	0.076	0.090	0.081	0.090	0.084		0.089	0.077
SEP '21	0.062	0.085	0.075	0.063	0.081		0.085	0.096	0.078	0.068	0.075	0.072	0.079	0.070	0.077	0.076		0.077	0.072
OCT '21	0.053	0.067	0.068	0.052	0.062		0.071	0.072	---	0.069	0.068	0.061	0.064	0.062	0.073	0.063		0.073	0.065
NOV '21	0.035	0.039	0.038	0.030	0.039		---	0.049	---	0.047	0.038	0.036	0.036	0.037	---	---		0.047	0.035
DEC '21	0.038	0.041	0.038	0.037	0.041		---	0.051		0.053	0.044	0.039	0.037	0.040				0.053	0.035

Notes:

1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
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3. The White Cloud Mountain monitoring site has not operated since 2016.
4. 2017 data from May 18 to October 31 for Sutter Buttes has been invalidated due to poor quality assurance results.
5. 2017 data from April 6 to June 20 for Tuscan Butte has been invalidated due to poor quality assurance results.
6. Folsom-Natoma Street monitoring site shutdown 7/22/2019 for renovations and operation resumed 12/10/2020.

* AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Auburn- Atwood Road(060610003); Colfax-City Hall (060610004); Colusa-Sunrise Blvd (060111002); Folsom-Natoma Street (060670012); Grass Valley-Litton Building (060570005); Lassen Volcanic Natl Park (060893003); Placerville-Gold Nugget Way (060170010); Red Bluff- Walnut Street (061030007); Roseville-N Sunrise Ave (060610006); Sonora-Barretta Street (06109000); Yosemite Natl Park-Turtleback (060430003); Yuba City (061010003)

TABLE 3
ANNUAL 4th HIGHEST 8-HOUR OZONE CONCENTRATIONS AT SEASONAL AND SURROUNDING MONITORING SITES
(Ozone in parts per million; seasonal sites highlighted)

	2017 4 th Highest	Date	2018 4 th Highest	Date	2019 4 th Highest	Date	2020 4 th Highest	Date	2021 4 th Highest	Date
Anderson-North Street	0.061	8/19/2017	0.076	8/8/2018	0.063	6/3/2019	0.066	9/15/2020	0.063	8/25/2021
Auburn-Atwood Road	0.082	9/2/2017	0.098	8/9/2018	0.079	7/31/2019	0.083	9/1/2020	0.085	9/24/2021
Colfax-City Hall	0.077	8/1/2017	0.097	8/9/2018	0.072	7/31/2019	0.08	8/23/2020	0.076	8/24/2021
Colusa-Sunrise Blvd	0.062	8/19/2017	0.061	8/25/2018	0.053	6/12/2019	0.052	9/5/2020	0.061	8/30/2021
Cool	0.078	8/17/2017	0.092	8/1/2018	0.070	8/16/2019	0.078	8/23/2020	0.08	7/23/2021
Echo Summit	0.066	9/2/2017	0.075	8/25/2018	0.059	10/7/2019	0.073	9/15/2020	0.081	8/22/2021
Folsom-Natoma Street	0.079	7/19/2017	0.079	7/18/2018					0.085	9/24/2021
Grass Valley-Litton Building	0.090	6/24/2017	0.095	8/8/2018	0.072	7/25/2019	0.08	8/29/2020	0.09	9/10/2021
Jerseydale	0.075	7/24/2017	0.077	9/27/2018	0.071	8/3/2019	0.091	8/20/2020	0.081	6/17/2021
Lassen Volcanic Natl Park	0.064	7/24/2017	0.077	8/10/2018	0.059	9/15/2019	0.069	9/14/2020	0.075	8/23/2021
Placerville-Gold Nugget Way	0.078	9/3/2017	0.095	8/8/2018	0.071	8/16/2019	0.086	8/22/2020	0.075	9/24/2021
Red Bluff-Walnut Street	0.073	8/1/2017	0.075	8/3/2018	0.065	8/14/2019	0.061	9/6/2020	0.075	7/22/2021
Roseville-N Sunrise Ave	0.080	7/19/2017	0.080	8/9/2018	0.067	6/5/2019	0.07	8/23/2020	0.075	9/3/2021
Sonora-Barretta Street	0.077	7/24/2017	0.084	8/5/2018	0.069	9/14/2019	0.08	8/24/2020	0.068	8/25/2021
Sutter Buttes	0.061	4/4/2017	0.080	7/28/2018	0.065	7/31/2019	0.083	9/13/2020	0.077	9/3/2021
Tuscan Butte	0.074	9/1/2017	0.082	8/25/2018	0.066	6/12/2019	0.074	8/20/2020	0.077	5/13/2021
White Cloud Mountain										
Yosemite Natl Park-Turtleback	0.078	7/24/2017	0.085	7/25/2018	0.068	8/3/2019	0.084	8/20/2020	0.08	8/24/2021
Yuba City-Almond Street	0.067	6/23/2017	0.065	7/31/2018	0.061	8/15/2019	0.066	9/5/2020	0.072	9/13/2021

Notes:

1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
 2. The Echo Summit monitoring site did not operate in April of 2017, 2019 and 2020.
 3. The White Cloud Mountain monitoring site has not operated since 2016.
 4. 2017 data from May 18 to October 31 for Sutter Buttes has been invalidated due to poor quality assurance results.
 5. 2017 data from April 6 to June 20 for Tuscan Butte has been invalidated due to poor quality assurance results.
 6. Folsom-Natoma Street monitoring site shutdown 7/22/2019 for renovations and operation resumed 12/10/2020.
- * AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Auburn- Atwood Road(060610003); Colfax-City Hall (060610004); Colusa-Sunrise Blvd (060111002); Folsom-Natoma Street (060670012); Grass Valley-Litton Building (060570005); Lassen Volcanic Natl Park (060893003); Placerville-Gold Nugget Way (060170010); Red Bluff- Walnut Street (061030007); Roseville-N Sunrise Ave (060610006); Sonora-Barretta Street (06109000); Yosemite Natl Park-Turtleback (060430003); Yuba City (061010003)

TABLE 4
NUMBER OF DAYS WITH MAXIMUM 8-HOUR OZONE CONCENTRATION >0.070 PPM
(April-October ozone season columns highlighted in yellow; seasonal site rows denoted by gray)

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '17																			
FEB '17																			
MAR '17																			
APR '17																			
MAY '17					2		2	4	1		3		1	2					
JUN '17		4	1		8		3	14			2		2	6					
JUL '17		5	3		8	1	3	24	5		4		1	7		1		8	
AUG '17	1	16	6		7		6	20	2		5	2	3	7		3			1
SEP '17		3	4		3		3	7	2	1	3	2	2	3		4		3	1
OCT '17								9			1								
NOV '17																			
DEC '17																			
JAN '18																			
FEB '18																			
MAR '18																			
APR '18																			
MAY '18																			
JUN '18		3	3		2		1	1	1						2	2			
JUL '18	2	11	9		9	4	7	7	2	4	7	1	4	7	4	2		15	
AUG '18	7	16	15		12	6	5	10	4	9	13	7	5	11	9	8		8	1
SEP '18		5	3		3		4	4	4		8		2	3	3	1		2	
OCT '18							1												
NOV '18																			
DEC '18																			

TABLE 4 Continued

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '19																			
FEB '19																			
MAR '19																			
APR '19		1																	
MAY '19		1			1		2	1						1					
JUN '19		4	2					2											
JUL '19		2	1		2			1	4		2		1	1					
AUG '19		1	1					1	1		2							1	
SEP '19																			
OCT '19																			
NOV '19																			
DEC '19																			
JAN '20																			
FEB '20																			
MAR '20																			
APR '20																			
MAY '20			1						1										
JUN '20		1																	
JUL '20		1									1								
AUG '20		11	10		5	4		10	12	1	9		2	5	5	7		9	2
SEP '20	1	9	7		2	3		10	5	1	8		1		4	2		3	
OCT '20									6		2				2				
NOV '20																			
DEC '20																			

TABLE 4 Continued

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '21																			
FEB '21																			
MAR '21																			
APR '21																			
MAY '21		1						2				1				1		1	
JUN '21		3	1		1		2	1			2					1		1	
JUL '21		13	6		4		8	8		2	3	3			1	4		3	
AUG '21		11	7		5	6	8	11		7	4	7	2	2	7	9		10	3
SEP '21		6	3		4			14			1	4	2		3	5		1	1
OCT '21								2						1		1			
NOV '21																			
DEC '21																			

Notes:

1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
 2. The Echo Summit monitoring site did not operate in April of 2017, 2019 and 2020.
 3. The White Cloud Mountain monitoring site has not operated since 2016.
 4. 2017 data from May 18 to October 31 for Sutter Buttes has been invalidated due to poor quality assurance results.
 5. 2017 data from April 6 to June 20 for Tuscan Butte has been invalidated due to poor quality assurance results.
 6. Folsom-Natoma Street monitoring site shutdown 7/22/2019 for renovations and operation resumed 12/10/2020.
- * AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Auburn- Atwood Road(060610003); Colfax-City Hall (060610004); Colusa-Sunrise Blvd (060111002); Folsom-Natoma Street (060670012); Grass Valley-Litton Building (060570005); Lassen Volcanic Natl Park (060893003); Placerville-Gold Nugget Way (060170010); Red Bluff- Walnut Street (061030007); Roseville-N Sunrise Ave (060610006); Sonora-Barretta Street (06109000); Yosemite Natl Park-Turtleback (060430003); Yuba City (061010003)

TABLE 5
NUMBER OF DAYS WITH MAXIMUM 8-HOUR OZONE CONCENTRATION >0.054 PPM
(April-October ozone season columns highlighted in yellow; seasonal site rows denoted by gray)

Month & Year	Anderson -North Street	Auburn-Atwood Road	Colfax -City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '17																		1	
FEB '17		1					1	5		2	3			1				2	
MAR '17		2	4		3		1	12		3				10	14			7	
APR '17	1	10	9	2	13		9	19	9	6	10	5	6	15	5			8	1
MAY '17	2	13	13		15	5	12	21	16	2	14	8	12	20	3	7		14	5
JUN '17	12	29	14	10	30	13	28	31	29	13	29	22	26	29		27		25	14
JUL '17	12	25	25	12	22	4	22	28	22	7	24	25	22	30		24		20	13
AUG '17		15	14	6	15	5	14	20	17	7	15	9	12	17		16		15	7
SEP '17		13	9	1	7	3	11	19	19	2	14	1	4	10		7		5	
OCT '17																			
NOV '17																			
DEC '17																			
JAN '18								2											
FEB '18								3											
MAR '18							1	1			1								
APR '18	2	4	6	2	3	5	2	2	4	1	4	2	1		7	4		3	
MAY '18		5	4		5	7	3	3	7		3			2	6	11		6	
JUN '18	7	23	21	1	20	14	14	18	23	8	18	11	5	20	20	22		21	3
JUL '18	13	27	28	3	27	20	23	19	22	11	26	16	16	21	18	20		26	10
AUG '18	21	30	30	4	28	24	22	26	27	23	27	22	21	26	24	22		28	11
SEP '18	7	22	13	2	17	15	20	20	19	9	25	16	12	17	12	15		18	2
OCT '18		6	4	2	5		6	5	13		11	1	1	5	7	7		5	
NOV '18		1					2	2			1			3				4	
DEC '18																			

TABLE 5 Continued

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '19																			
FEB '19																			
MAR '19		3	1					1										2	
APR '19	2	6			4		6	1			4	3	4	3	4	7			
MAY '19	6	9	6		6		7	5		1	3	5	1	5	9	8		5	
JUN '19	7	18	12		14	6	16	14	11	4	11	11	9	16	18	13		18	5
JUL '19	6	20	17	1	15	2	8	15	15	3	14	4	6	15	7	10		16	4
AUG '19	9	16	19		13	2		19	26	5	19	13	8	21	11	15		23	8
SEP '19	1	12	11		5	1		11	14	1	9	3	5	13	4	6		11	4
OCT '19		8	6		4	2		7	15	2	9	4	2	10	6	5		10	1
NOV '19								3			6			3					
DEC '19																			
JAN '20																			
FEB '20								1											
MAR '20		2						2										1	
APR '20		2								1	1					1			
MAY '20	4	10	8		4			5	11	2	8	1	1	8	2	8		6	2
JUN '20		11	12		8	3			11		9	2	5	7	2	4		9	4
JUL '20	13	25	27		21	4		15	28	5	23	5	10	16	12	16		26	4
AUG '20	9	28	24	2	24	13		23	24	12	25	4	18	17	20	18		23	15
SEP '20	9	18	19		12	8		23	20	16	21	9	12	17	17	17		15	8
OCT '20		12	6		6	2		9	20	2	11	3	4	11	11	7		13	2
NOV '20																			
DEC '20																			

TABLE 5 Continued

Month & Year	Anderson-North Street	Auburn-Atwood Road	Colfax-City Hall	Colusa-Sunrise Blvd	Cool	Echo Summit	Folsom-Natoma Street	Grass Valley-Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville-Gold Nugget Way	Red Bluff-Walnut Street	Roseville-N Sunrise Ave	Sonora-Barretta Street	Sutter Buttes	Tuscan Butte	White Cloud Mountain	Yosemite Natl Park-Turtleback	Yuba City
JAN '20																			
FEB '20										1									
MAR '20		3	3				1	2		4	1								
APR '20		9	5		2		7			4	7	4		2	5	4		5	3
MAY '20	3	13	7		3	2	9	13		4	8	6	1	7	3	8		13	3
JUN '20	2	18	14		10	6	14	19		9	10	14	2	5	10	15		12	4
JUL '20	9	30	28	1	23	16	21	30		26	22	24	17	19	14	28		31	12
AUG '20	12	27	21	6	24	21	16	25		25	19	23	16	18	23	26		29	14
SEP '20	5	22	19	8	20			21		17	19	20	16	12	21	21		25	16
OCT '20		7	7		7			7		4	6	3	3	3	6	6		7	3
NOV '20																			
DEC '20																			

Notes:

1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
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 3. The White Cloud Mountain monitoring site has not operated since 2016.
 4. 2017 data from May 18 to October 31 for Sutter Buttes has been invalidated due to poor quality assurance results.
 5. 2017 data from April 6 to June 20 for Tuscan Butte has been invalidated due to poor quality assurance results.
 6. Folsom-Natoma Street monitoring site shutdown 7/22/2019 for renovations and operation resumed 12/10/2020.
- * AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Auburn- Atwood Road(060610003); Colfax-City Hall (060610004); Colusa-Sunrise Blvd (060111002); Folsom-Natoma Street (060670012); Grass Valley-Litton Building (060570005); Lassen Volcanic Natl Park (060893003); Placerville-Gold Nugget Way (060170010); Red Bluff- Walnut Street (061030007); Roseville-N Sunrise Ave (060610006); Sonora-Barretta Street (06109000); Yosemite Natl Park-Turtleback (060430003); Yuba City (061010003)

FIGURE 8
PHOTOS OF AREA SURROUNDING THE SUTTER BUTTES OZONE MONITORING SITE



Sutter Buttes: Looking north from probe.



Sutter Buttes: Looking east from probe.



Sutter Buttes: Looking south from probe.
(from 2016 site audit)



Sutter Buttes: Looking west from probe.

FIGURE 9
PHOTOS OF AREA SURROUNDING THE TUSCAN BUTTE OZONE MONITORING SITE



Tuscan Butte: Looking north from probe.



Tuscan Butte: Looking east from probe.



Tuscan Butte: Looking south from probe.
(from 2016 site audit)



Tuscan Butte: Looking west from probe.

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Appendix C

Supporting Documentation for Site Changes

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**LAKE COUNTY AIR QUALITY
MANAGEMENT DISTRICT**
2617 South Main Street
Lakeport, CA 95453
Phone (707) 263-7000
Fax (707) 263-0421

Douglas G. Gearhart
Air Pollution Control Officer
doug@lcaqmd.net

Certified Mail: 7021 0350 0001 8068 3585

December 21, 2021

Gwen Yoshimura
Air Quality Analysis Office, Manager
EPA Region 9
75 Hawthorne Street, AIR-7
San Francisco, CA 94105

**Subject: Request to Discontinue PM10 Monitoring at the Anderson Springs
Recreation Center and at Glenbrook.**

Dear Ms. Yoshimura :

The Lake County Air Quality Management District (District) is hereby requesting approval from U.S. EPA to discontinue PM10 monitoring at the Anderson Springs Recreation Center (Anderson Springs) (AQS Site ID: 06-033-3010) and Glenbrook (AQS Site ID: 06-033-3011) sites.

Since 2000, PM10 and Trace Metals have been monitored at the Anderson Springs and Glenbrook sites, as part of the Geysers Air Monitoring Program (GAMP), a consortium of industry, regulatory agencies, and public representatives. In 2013, this data began being submitted into AQS.

The District will continue to operate the 1:6-day Lo-Vol FRM PM10 and PM2.5 monitors at the Lakeport SLAMS site (AQS site ID: 06-033-3002).

The request for closure of the PM10 monitors at the Anderson Springs site and the Glenbrook site, even though they are not SLAMS stations, will generally follow the criteria in Section 58.14, of Title 40 of the Code of Federal Regulations.

- The District is requesting public notice of the proposed site change be published in the next Annual Network Plan.
- These PM10 monitors are GAMP (not SLAMS) monitors, that were originally installed as near fence line / downwind monitoring for geothermal operations.
- These PM10 monitors are not specifically required for an Attainment Designation, Attainment Plan, or Maintenance Plan.
- The District will continue to monitor PM10 at the Lakeport site.
- Low cost monitors will be placed at the Anderson Springs and Glenbrook sites for

continuous non-regulatory monitoring. PM10 monitors can be reinstalled during geothermal activities if necessary.

- CARB staff has reviewed the Anderson Springs and Glenbrook site monitoring data and supports discontinuing PM10 monitoring at these sites.
- District staff has informed representatives from Community Advocacy groups (Friends of Cobb Mountain and Anderson Springs Community Alliance) of the proposed change to PM10 monitoring at our last GAMP Consortium meeting CARB Staff was present and expressed their support as well. Friends of Cobb Mountain are supportive and Anderson Springs Community Alliance has not expressed any concerns.
- Lake County has been designated Attainment for all Ambient Air Quality Standards since 1990.

The District has been operating with a staffing deficit, and has therefore been unable to fully staff the monitoring program. This has been an ongoing issue for a number of years, but with the increasing requirements placed on PM10 by the PQAQO, as well as other non-monitoring program requirements, the District staff can no longer maintain these two PM10 monitors. The PM10 levels are very low and do not warrant expending staff time when levels are well below any health based threshold. Discontinuing these monitors will free up resources and allow the District to focus on more critical monitoring activities.

Pending approval to permanently discontinue PM10 monitoring at these sites, the District is temporarily suspending PM10 monitoring operations at the Anderson Springs and Glenbrook sites beginning January 1, 2022.

Please feel free to contact Deputy Air Pollution Control Officer Elizabeth Knight or myself with any questions or concerns at 707-263-7000.

Sincerely,



Douglas Gearhart, APCO

DG/EK

CC: Leah Matthews, California Air Resources Board
via email: Leah.Matthews@arb.ca.gov

Dena Vallano, US Environmental Protection Agency
via email: Vallano.Dena@epa.gov



Shasta County

DEPARTMENT OF RESOURCE MANAGEMENT
1855 Placer Street, Redding, CA 96001

Paul A. Hellman
Director

Dale J. Fletcher, CBO
Assistant Director

August 26, 2021

Gwen Yoshimura
Air Quality Analysis Office, Manager
EPA Region 9
75 Hawthorne Street, AIR-7
San Francisco, CA 94105

Sent via email: Yoshimura.Gwen@epa.gov

Dear Ms. Yoshimura,

The Shasta County Air Quality Management District (District) is requesting approval from U.S. EPA to discontinue the PM₁₀ monitoring at the Anderson – North Street site (AQS site ID: 06-089-0007) and at the Shasta Lake – La Mesa site (AQS site ID: 06-089-0008). PM₁₀ has been monitored at the Anderson – North Street site since 1993, and at the Shasta Lake – La Mesa site since 2004, as part of the California State and Local Air Monitoring (SLAMS) network. The District will continue to operate the Hi-Vol PM₁₀ monitor at the Redding – Health Department site (AQS site ID: 06-089-0004). In addition, the District will also monitor the more health protective PM_{2.5} standard at the Redding – Health Department by both 1:6-day FRM and continuous 1-hour FEM monitors.

The request for closure of the PM₁₀ monitors at the Anderson – North Street site and Shasta Lake – La Mesa site follows the criteria in Section 58.14, of Title 40 of the Code of Federal Regulations.

- Public notice of the proposed site change was published in the *Annual Network Plan, Covering Monitoring Operations in 25 California Air Districts* dated July 2020, page 48.
- The PM₁₀ monitors are not specifically required by an attainment or maintenance plan.
- PM₁₀ will continue to be monitored at the Redding – Health Department site.
- Table 1 indicates that there is a greater than 10% chance that the Anderson – North Street site and the Shasta Lake – La Mesa site will exceed 80% of the NAAQS. The District believes that this is due to the smoke impacts from recent wildfires, and the District is requesting that EPA conduct a case-by-case evaluation for these monitoring sites.

In 2018 and 2020, Shasta County was significantly impacted by wildfires in the northern part of California, specifically, the Carr, Delta, Hirz, and Camp Fires for 2018, and the August Complex and Zogg Fires for 2020. If the data from the wildfires are not included in the calculation to determine the 90% upper confidence limit, the Anderson – North Street and Shasta Lake – La Mesa sites do meet the requirements in 40 CFR 58.14(c)(1).

Table 1

24-HOUR PM ₁₀ NAAQS												
Site	Year 1 Max	Year 2 Max	Year 3 Max	Year 4 Max	Year 5 Max	Average Max	Std. Dev.	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ug/m3)	80% NAAQS (ug/m3)	Test
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)						
Anderson (06-089-0007)	33	115	123	32	108	81.00	42.56	2.13	5	121.5	120	FAIL
Shasta Lake (06-089-0008)	33	87	145	41	105	82.20	46.38	2.13	5	126.4	120	FAIL

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For informational purposes, Table 2 is included to demonstrate the effects of recent wildfires on the NAAQS evaluation calculations. On the two highest concentration days in 2018, July 31st and August 6th, the District issued Air Quality Smoke Advisories, see attached, due to the impacts from the 229,651-acre Carr Fire located less than four miles from the monitoring station. On the three highest concentration days in 2020, August 25th, September 12th and September 30th, the District issued Air Quality Smoke Advisories, (see attached) due to the impacts from the August Complex and Zogg fires. If that data is excluded from the NAAQS evaluation calculations, the Anderson – North Street and Shasta Lake – La Mesa sites meet the requirements in 40 CFR 58.14(c)(1).

Table 2

24-HOUR PM10 NAAQS												
Site	Year 1 Max	Year 2 Max	Year 3 Max	Year 4 Max	Year 5 Max	Average Max	Std. Dev.	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ug/m3)	80% NAAQS (ug/m3)	Test
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)						
Anderson (06-089-0007)	37	115	95	32	64	68.60	36.09	2.13	5	103.0	120	PASS
Shasta Lake (06-089-0008)	33	87	104	41	58	64.60	30.22	2.13	5	93.4	120	PASS

Additional site meta data is available in the attachments, excerpted from the *Annual Network Plan, Covering Monitoring Operations in 25 California Air Districts* dated July 2020, Appendix A, page 61 and 65.

The design values for the PM₁₀ monitoring stations are based on look-up approach from Table 6.1 *PM10 SIP Development Guideline*. For sites that have less than 347 samples over a three-year period, the design value is the highest value. Table 3 indicates the design values for all three PM₁₀ monitors. Attached is AQS report AMP480, *Design Value Report* for all three PM₁₀ monitoring sites. The report indicates that the only site that has estimated exceedances for 2016 – 2020 is the Redding – Health Center monitoring site.

Table 3

24-HOUR PM10 NAAQS												
Site	Year 1 Design Concentration	Year 2 Design Concentration	Year 3 Design Concentration	Year 4 Design Concentration	Year 5 Design Concentration	Average Design Conc.	Std. Dev.	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ug/m3)	80% NAAQS (ug/m3)	Test
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)						
Anderson (06-089-0007)	37	115	113	32	108	81.00	42.56	2.13	5	121.5	120	FAIL
Shasta Lake (06-089-0008)	33	87	145	41	105	82.20	46.38	2.13	5	126.4	120	FAIL
Redding (06-089-0004)	28	88	166	26	95	80.60	57.67	2.13	5	135.5	120	FAIL

Both the Anderson – North Street and the Shasta Lake – La Mesa sites have had historically low concentrations of PM₁₀. Attached is a copy of the AQS AMP 350 report detailing the PM₁₀ concentration at the two sites. The data available for the Anderson – North Street site begins in August 1993, and for the Shasta Lake – La Mesa site, data begins in April of 2004, and the most recent data is September 2020. Graph 1 indicates that the Anderson – North Street site has had a decrease in the PM₁₀ concentration from the early 1990's to current. Graph 2 indicates that the ambient concentration of PM₁₀ at the Shasta Lake – La Mesa site has been consistently low throughout the monitoring period. The PM₁₀ concentrations at both monitoring sites are significantly under the NAAQS, with the exceptions of when the area is impacted by wildfires. Neither site has had an exceedance of the NAAQS at any time of the federal PM₁₀ standard of 150 µg/m³.

The discontinuation of the Anderson – North Street and Shasta Lake – La Mesa sites will not compromise the minimum monitoring requirements for PM₁₀ in the Redding metropolitan statistical area. For metropolitan statistical areas with a population of less 250,000, the minimum monitoring requirement is:

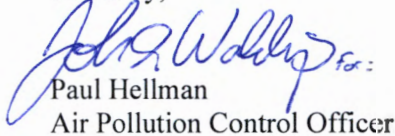
- High concentration (Exceeds NAAQS by ≥20%), 1 – 2 monitoring sites,
- Medium concentration (≥80% of NAAQS), 0 – 1 monitoring sites, and

- Low concentration (<80% of NAAQS), 0 monitoring sites.

For the Redding metropolitan statistical area, the highest reading for 2020 was at the Anderson – North Street site at $108 \mu\text{g}/\text{m}^3$, which is 72% of the NAAQS. The Redding metropolitan statistical area falls in the low concentration category, which required zero PM_{10} monitoring sites. Although the minimum monitoring requirements indicate that zero PM_{10} monitoring sites are required, the Shasta County Air Quality Management District will continue to operate and maintain the Redding – Health Center PM_{10} SLAM site. Attached is Table 17, from the *Annual Network Plan, Covering Monitoring Operations in 25 California Air Districts* dated July 2020, Section 5F, page 30, which details the minimum monitoring requirements for the air districts in the California Air Resources Board Primary Quality Assurance Organization.

Discontinuing these monitors will free up resources and allow the District to focus on more critical monitoring activities. The Anderson – North Street site has been down due to equipment failure since the beginning of January 2021. The last sample at the Anderson – North Street site was on January 11, 2021. Along with the limited availability of PM_{10} filters during the COVID-19 shutdowns, the District prioritized the PM_{10} filters primarily at the Redding – Health Center site, and then at the Shasta Lake – La Mesa site to ensure those sites would have enough filters for the first quarter. Pending your approval, the District is requesting that the Anderson – North Street site be shut down at the beginning of first quarter 2021, to coincide with the equipment breakdown. The District intends to continue monitoring PM_{10} at the Shasta Lake – La Mesa site until October 31, 2021, in order to have complete data for the first, second, and third quarters of 2021. Please feel free to contact Senior Air Pollution Inspector Rob Stahl with any questions or concerns at 530-225-5674.

Sincerely,


Paul Hellman
Air Pollution Control Officer

PH/RS/my

Enclosures

C: Leah Matthews, California Air Resources Board, sent via email: Leah.Matthews@arb.ca.gov
Dena Vallano, US Environmental Protection Agency, sent via email: Vallano.Dena@epa.gov

March 3, 2022

Rene Bermudez, Manager
Atmospheric Measurements
South Coast Air Quality Management District
218865 Copley Drive, Diamond Bar CA 91765



Subject: Agreement of Shared Carbon Monoxide (CO) Monitoring Responsibilities

Dear Mr. Bermudez:

40 CFR, Part 58 Appendix D, section (2)(e), requires air monitoring of carbon monoxide (CO) to be performed in order for our agencies to meet the minimum monitoring requirements for our shared Riverside-San Bernardino-Ontario Metropolitan Statistical Area (MSA). The Riverside-San Bernardino-Ontario MSA is required to have a minimum of one near road CO monitor to meet Environmental Protection Agency (EPA) minimum monitoring requirements.

The South Coast Air Quality Management District (SCAQMD) currently operates the required near road State or Local Monitoring Station (SLAMS) CO monitors in our shared MSA located at the Ontario Etiwanda Near Road site (AQS No. 60710026). The Mojave Desert Air Quality Management District (MDAQMD) recently decommissioned, with EPA and CARB approval, two State or Local Monitoring Station (SLAMS) CO monitors in our shared MSA located at the Victorville site and the Barstow site.

The MDAQMD is hereby notifying SCAQMD of the decommission of its CO monitoring at the Victorville and Barstow sites. The EPA approval of decommission is enclosed for reference.

The EPA has requested that the MDAQMD and SCAQMD recognize the shared MSA monitoring responsibility and agree to ongoing collaboration to ensure the continued operation of at least one CO monitor. In the spirit of inter-agency collaboration, the MDAQMD and SCAQMD agree that:


- The SCAQMD will continue to operate the SLAMS CO Near Road monitor at Ontario Etiwanda site, and
- The MDAQMD and SCAQMD share the Riverside-San Bernardino-Ontario MSA and the EPA minimum monitoring requiring is at least one CO Near Road monitor for the MSA; and
- SCAQMD shall notify the MDAQMD of any changes to the Riverside-San Bernardino-Ontario monitor and the MDAQMD shall notify SCAQMD if it re-establishes a CO monitor; and

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

BRAD POIRIEZ, EXECUTIVE DIRECTOR

14306 Park Avenue, Victorville, CA 92392-2310 • 760.245.1661 • Fax 760.245.2022 • www.MDAQMD.ca.gov • [@MDAQMD](https://twitter.com/MDAQMD)

- The MDAQMD and the SCAQMD shall collaborate and include the CARB and the EPA as necessary to maintain at least one CO monitor for the MSA, or meet future CO monitoring requirements, should they change.

 3/3/22
Chris Anderson Date:

Air Monitoring Supervisor
Mojave Desert Air Quality Management District
14306 Park Ave, Victorville, CA 92392
(760) 245-1661

Rene Bermudez, Manager Date:
Atmospheric Measurements
South Coast Air Quality Management District
218865 Copley Drive, Diamond Bar CA 91765
(909) 396-2136

Attachment: EPA approval letter for discontinuation of the CO SLAMS monitors at the Victorville and Barstow sites.

Please sign, and retain a copy for your file and return this document to MDAQMD

Email cc: Williams.jennifer@eap.gov
Rbermudez@aqmd.gov
Yoshimura.gwen@epa.gov
Tsai.sheila@epa.gov
Greg.gilani@arb.ca.gov
adesalvio@mdaqmd.ca.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

December 20, 2021

Christopher Collins
Air Monitoring Supervisor
Mojave Desert Air Quality Management District
14306 Park Ave
Victorville, CA 92392

Dear Christopher Collins:

This letter provides the U.S Environmental Protection Agency's (EPA) review and approval for the Mojave Desert Air Quality Management District (MDAQMD) discontinuation of the sulfur dioxide (SO₂) State/Local Air Monitoring Station (SLAMS) monitors at the Victorville (Air Quality System (AQS) ID: 06-071-0306) and Trona (AQS ID: 06-071-1234) sites, and discontinuation of the carbon monoxide (CO) SLAMS monitors at the Victorville and Barstow (AQS ID: 06-071-0001) sites. A request for EPA approval of these network changes was submitted to EPA on November 17, 2021. Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for the discontinuation of SLAMS monitors.

Discontinuation of the CO and SO₂ SLAMS monitors was reviewed by EPA against criteria contained in 40 CFR 58.14(c)(1). According to certified data submitted to EPA's AQS, the Victorville and Trona SO₂ monitors were in attainment of the 2010 1-hour SO₂ National Ambient Air Quality Standards (NAAQS) from 2016 through 2020. The EPA has determined that, based on design values from 2016-2020, there is a less than 10 percent probability of exceeding 80 percent of the NAAQS during the next three years at these sites. Preliminary 2021 data are consistent with the historical trend and continue to show low concentrations. These SO₂ monitors are not specifically required by an attainment or maintenance plan and are not located in a nonattainment or maintenance area.

According to certified data submitted to EPA's AQS, the Victorville and Barstow CO monitors were in attainment of the 1971 1-hour CO and 8-hour CO NAAQS from 2016 through 2020. The EPA determined that, based on design values from 2016-2020, there is a less than 10 percent probability of exceeding 80 percent of the NAAQS during the next three years at these sites. Preliminary 2021 data are consistent with the historical trend and continue to show low concentrations. These CO monitors are not specifically required by an attainment or maintenance plan and are not located in a nonattainment or maintenance area.

With these closures, fulfillment of SO₂ and CO minimum monitoring requirements (as specified in 40 CFR 58 Appendix D) for the Riverside-San Bernardino-Ontario, CA Metropolitan Statistical Area (MSA) will be dependent on monitoring conducted by the South Coast Air

Quality Management District (South Coast AQMD). 40 CFR 58 Appendix D §2(e) requires MDAQMD to establish a shared monitoring agreement with South Coast AQMD upon EPA approval of these monitor discontinuations. Please include a letter of agreement between the two agencies in your next Annual Network Plan (ANP).

Based on these analyses, EPA approves MDAQMD's discontinuation of the SO₂ SLAMS monitors at the Victorville and Trona sites, and CO SLAMS monitors at the Victorville and Barstow sites. Please include this letter, the relevant monitor and site information, and the letter of agreement between MDAQMD and South Coast AQMD in the next ANP.

If there are any questions regarding this letter, please feel free to contact me at (415) 947-4134 or Sheila Tsai of my staff at 415-972-3328.

Sincerely,

for

Gwen Yoshimura, Manager
Air Quality Analysis Office

cc (via e-mail): Greg Gilani, CARB
Manisha Singh, CARB
Kathleen Gill, CARB
Sylvia Vanderspek, CARB
Ravi Ramalingam, CARB
Jin Xu, CARB
Adolfo Garcia, CARB
Reggie Smith, CARB
Ranjit Bhullar, CARB



Antelope Valley Air Quality Management District
43301 Division St., Suite 206
Lancaster, CA 93535-4649

661-723-8070

March 3, 2022

Rene Bermudez, Manager
Atmospheric Measurements
South Coast Air Quality Management District
218865 Copley Drive, Diamond Bar CA 91765

Subject: Agreement of Shared Carbon Monoxide (CO) Monitoring Responsibilities

Dear Mr. Bermudez:

40 CFR, Part 58 Appendix D, section (2)(e), requires air monitoring of carbon monoxide (CO) to be performed in order for our agencies to meet the minimum monitoring requirements for our shared The Los Angeles-Long Beach-Anaheim Metropolitan Statistical Area (MSA). The Los Angeles-Long Beach-Anaheim MSA is required to have a minimum of one near road CO monitor to meet Environmental Protection Agency (EPA) minimum monitoring requirements.

The South Coast Air Quality Management District (SCAQMD) currently operates the required near road State or Local Monitoring Station (SLAMS) CO monitor in our shared MSA located at the Anaheim Route 5 Near Road site (AQS No. 60590008). The Antelope Valley Air Quality Management District (AVAQMD) recently decommissioned, with EPA and CARB approval, one State or Local Monitoring Station (SLAMS) CO monitor in our shared MSA located at the Lancaster site.

The AVAQMD is hereby notifying SCAQMD of the decommission of its CO monitoring at the Lancaster site. The EPA approval of decommission is enclosed for reference.

The EPA has requested that the AVAQMD and SCAQMD recognize the shared MSA monitoring responsibility and agree to ongoing collaboration to ensure the continued operation of at least one CO monitor. In the spirit of inter-agency collaboration, the AVAQMD and SCAQMD agree that:

- The SCAQMD will continue to operate the SLAMS CO near road monitor at Anaheim Route 5 Near Road site, and
- The AVAQMD and SCAQMD share the Los Angeles-Long Beach-Anaheim MSA and the EPA minimum monitoring requirement is at least one CO Near Road monitor for the MSA; and

- SCAQMD shall notify the AVAQMD of any changes to the Los Angeles-Long Beach-Anaheim monitor and the AVAQMD shall notify SCAQMD if it re-establishes a CO monitor; and
- The AVAQMD and the SCAQMD shall collaborate and include the CARB and the EPA as necessary or required to maintain at least one CO near road monitor for the MSA, or meet future CO monitoring requirements, should they change.

 3/3/22
Chris Anderson Date:
Air Monitoring Supervisor
Antelope Valley Air Quality Management District
43301 Division St, Lancaster, CA 93535
(760) 245-1661

Rene Bermudez, Manager Date:
Atmospheric Measurements
South Coast Air Quality Management District
218865 Copley Drive, Diamond Bar CA 91765
(909) 396-2136

Attachment: EPA approval letter for discontinuation of the CO SLAMS monitors at the Lancaster site.

Please sign, and retain a copy for your file and return this document to AVAQMD

Email cc: Williams.jennifer@epa.gov
Rbermudez@aqmd.gov
Yoshimura.gwen@epa.gov
Tsai.sheila@epa.gov
Greg.gilani@arb.ca.gov
adesalvio@mdaqmd.ca.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

December 21, 2021

Christopher Collins
Air Monitoring Supervisor
Mojave Desert Air Quality Management District
14306 Park Ave
Victorville, CA 92392

Dear Christopher Collins:

This letter provides the U.S Environmental Protection Agency's (EPA) review and approval for the Antelope Valley Air Quality Management District (AVAQMD) discontinuation of the carbon monoxide (CO) State/Local Air Monitoring Station (SLAMS) monitor at the Lancaster-Division Street (Air Quality System (AQS) ID: 06-037-9033) site. A request for EPA approval of this network change was submitted to EPA on November 17, 2021. Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for the discontinuation of SLAMS monitors.

Discontinuation of this CO monitor was specifically reviewed by EPA against criteria contained in 40 CFR 58.14(c)(1). According to certified data submitted to EPA's AQS, the Lancaster-Division Street CO monitor was in attainment of the 1971 1-hour and 8-hour CO National Ambient Air Quality Standards (NAAQS) from 2016 through 2020. The EPA determined that, based on design values from 2016-2020, there is a less than 10 percent probability of exceeding 80 percent of the NAAQS during the next three years at this site. Preliminary 2021 data are consistent with the historical trend and continue to show low concentrations. This CO monitor is not specifically required by an attainment or maintenance plan and is not located in a nonattainment or maintenance area.

With this closure, fulfillment of CO minimum monitoring requirements (as specified in 40 CFR 58 Appendix D) for the Los Angeles-Long Beach-Anaheim, CA Metropolitan Statistical Area (MSA) will be dependent on monitoring conducted by the South Coast Air Quality Management District (South Coast AQMD). 40 CFR 58 Appendix D §2(e) requires AVAQMD to establish a shared monitoring agreement with South Coast AQMD upon EPA approval of these monitor discontinuations. Please include a letter of agreement between the two agencies in your next Annual Network Plan (ANP).

Based on this analysis, EPA approves the AVAQMD's discontinuation of the CO SLAMS monitor at the Lancaster-Division Street site. Please include this letter, the relevant monitor and site information, and the letter of agreement between AVAQMD and South Coast AQMD in the next ANP.

If there are any questions regarding this letter, please feel free to contact me at (415) 947-4134 or Sheila Tsai of my staff at 415-972-3328.

Sincerely,

for
Gwen Yoshimura, Manager
Air Quality Analysis Office

cc (via e-mail): Greg Gilani, CARB
Manisha Singh, CARB
Kathleen Gill, CARB
Sylvia Vanderspek, CARB
Ravi Ramalingam, CARB
Jin Xu, CARB
Adolfo Garcia, CARB
Reggie Smith, CARB
Ranjit Bhullar, CARB

BARBARA A. MOED, PG
Air Pollution Control Officer



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Mendocino County Air Quality Management District

Gwen M. Yoshimura
Air Quality Analysis Office, Manager
U.S. EPA Region 9
75 Hawthorne Street
Mail Code: AIR-7
San Francisco, California 94105
June 3, 2021

Dear Ms. Yoshimura:

The Mendocino County Air Quality Management District is requesting approval from U.S. EPA to relocate the PM 2.5 monitor formerly at our Willits Justice Center site (Site ID: 060452002), based on 40 CFR 58 (c)(6) due to the demands of Mendocino County Executive Office Facility & Fleet Division to remove the equipment from the roof top of the Willits Justice building.

Mendocino County Executive Office Facility & Fleet Division instructed the District to remove all air monitoring equipment from the roof of the Willits Justice building for roof repairs. Facilities did not recommend that this equipment continue to operate on any County Facility roof top and requested that this equipment be removed and relocated to an alternative location.

The Willits Justice BAM 1020 PM 2.5 monitor was mounted on the roof top of a 70-foot building. The surrounding area included residential homes, a children's park and daycare center, a police station and was 1.5 blocks from Main Street. Facilities gave the district until January 22, 2021 to remove the equipment. Due to delays caused by winter storms, the PM 2.5 monitor was removed on February 4, 2021.

Proposed site information

- a) Distance between proposed and current site: 5,063 feet.
Distance to Main street Willits: 2,522 feet.
New site Lat/Lon: 39.39861,-123.35872
Address: 1277 Blosser Lane, Willits, CA 95490
- b) Description of the proposed site: Site is located on the Unified School District office surrounded by a residential neighborhood, a small industrial park, Indian reservation and casino, and K-7 schools. The PM2.5 monitor is mounted on the top of an air monitoring trailer. The annotated map of the site is below in Figure #1. An actual photo of the site is below in Figure #2.
- c) Statement confirming that the new site will meet siting criteria of Appendix E and will confirm in ANP if supporting information is unavailable. The monitoring start date at the Willits-Blosser Lane was February 4, 2021. The detailed site information for the site will be included in the 2022 ANP (2021 ANP documents the monitoring network for the year 2020).

BARBARA A. MOED, PG
Air Pollution Control Officer



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Mendocino County Air Quality Management District

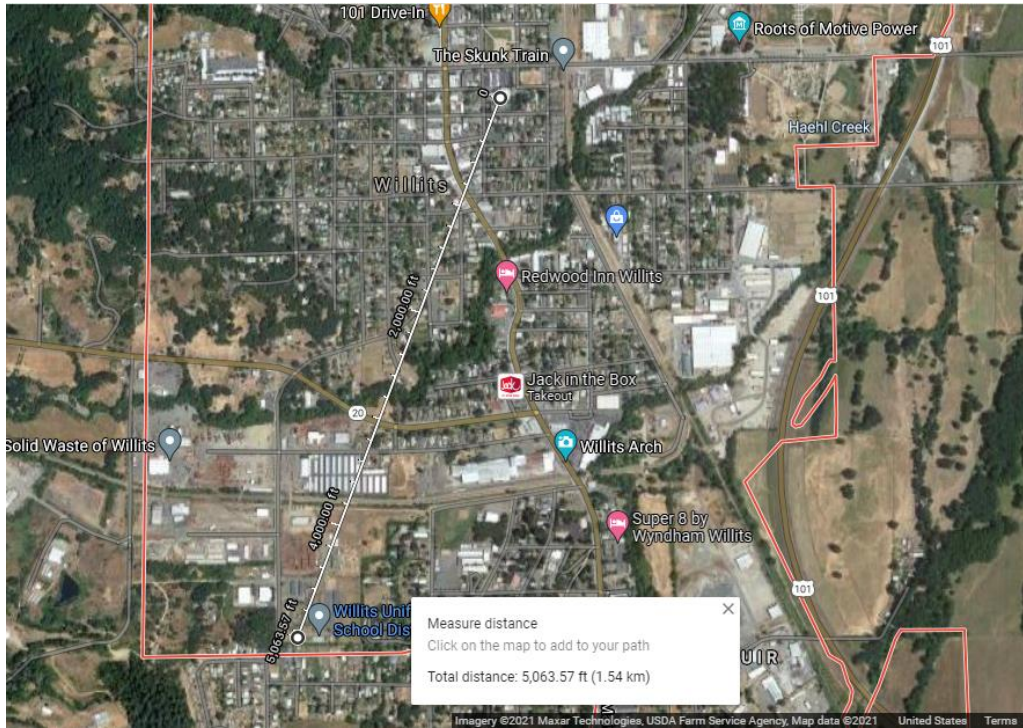


Figure 1. Distance from Willits-Justice Center to Willits-Blosser Lane



Figure 2. Picture of site at Willits-Blosser Lane

Local Site Name

Willits - Blosser Lane

BARBARA A. MOED, PG
Air Pollution Control Officer



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Mendocino County Air Quality Management District

AQS ID	06-045-2003
GPS Coordinates	39.39861, -123.35872
Street Address	1277 Blosser Lane, Willits, 95490
County	Mendocino
Distance to roadways (meters)	595 to State Hwy 20
Traffic Count (AADT,year)	23,600 (2015)
Ground Cover	Gravel
Representative statistical area name (i.e. MSA, CBSA, other)	Ukiah Micropolitan Statistical Area
Pollutant, POC	PM2.5, 3
Primary, QA-Audit, Supplementary, or N/A	Primary
Parameter Code	88101
Basic monitoring objective(s)	NAAQS
Site type(s)	Population Exposure
Monitor type(s)	SLAMS
Network affiliation(s)	N/A
Instrument manufacturer and model	Met One BAM 1020
Method code	170
FRM/FEM/ARM/Other	FEM
Collecting Agency	Mendocino County
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A
Reporting Agency	ARB
Spatial scale	Neighborhood
Monitoring start date	2/4/2021
Current sampling frequency	Continuous
Required sampling frequency including exceptional events	N/A
Sampling season	1-Jan - 31-Dec
Probe height (meters)	5.3
Distance from supporting structure (meters)	2.5
Distance from obstructions on roof (meters)	No obstructions
Height above probe for obstructions on roof (meters)	N/A
Distance from obstructions not on roof (meters)	No obstructions
Height above probe for obstructions not on roof (meters)	N/A
Distance to nearest tree drip line (meters)	>10
Distance to furnace or incinerator flue (meters)	N/A
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360
Will there be changes within the next 18 months?	No
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes
Frequency of flow rate verification for automated PM analyzers	Monthly

Table 1. Willits-Blosser Lane Site Details

cc: Dena Vallano, Ph.D.

BARBARA A. MOED, PG
Air Pollution Control Officer



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Mendocino County
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

August 31, 2021

Barbara Moed
Air Pollution Control Officer
Mendocino County Air Quality Management District
306 East Gobbi Street
Ukiah, California 95482

Air Pollution Control Officer Moed:

This letter provides the U.S. Environmental Protection Agency's (EPA) review and approval for the Mendocino County Air Quality Management District's (MCAQMD) relocation of the PM_{2.5} State/Local Air Monitoring Station (SLAMS) monitor at the Willits Justice Center site (Air Quality System (AQS) Site ID: 06-045-2002).

On June 18, 2021, MCAQMD sent a letter to EPA with a request for EPA approval of this network change. In this letter, MCAQMD explained the need to relocate the Willits Justice Center site due to logistics beyond MCAQMD's control (i.e., the Mendocino County Executive Office Facility & Fleet Division requested that the monitoring equipment be removed and permanently relocated to an alternative location due to Willits Justice Center building repairs). The Willits Justice Center PM_{2.5} SLAMS monitor was removed from the original location at the request of Mendocino County Executive Office Facility & Fleet Division on February 4, 2021. Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for the relocation of SLAMS monitors.

The Willits Justice Center PM_{2.5} monitor is not eligible for discontinuation under 40 CFR 58.14(c)(1) - (c)(5). This monitor relocation was reviewed under 40 CFR 58.14(c)(6), which describes the relocation requirements if a SLAMS monitor is not eligible for removal under the criteria in 40 CFR 58.14(c)(1) through (c)(5), and states that "[a] SLAMS monitor ... may be moved to a nearby location with the same scale of representation if logistical problems beyond the State's control make it impossible to continue operation at its current site."

According to certified data submitted to EPA's AQS, the Willits Justice Center PM_{2.5} monitor had attaining design values for the 2006 24-hour PM_{2.5} NAAQS from 2016-2019 and the 2012 annual PM_{2.5} NAAQS from 2016-2020. The monitor had a violating design value for the 2006 24-hour PM_{2.5} NAAQS in 2020. MCAQMD flagged several monitoring dates in 2018 and 2020 as being impacted by wildfire in AQS. MCAQMD currently operates one other PM_{2.5} monitor at the Ukiah-Library site (AQS Site ID: 06-045-0006), which is the PM_{2.5} design value site for both the annual and 24-hour PM_{2.5} NAAQS for Mendocino County. The Ukiah-Library site has had higher design values from 2016-2020, with the exception of having a lower annual design value in 2016 (reflecting data years 2014-2016) and the same 24-hour design value in 2017 (reflecting data years 2015-2017). During the 2016-2020 data period, the

Willits Justice PM_{2.5} monitor generally measured lower concentrations of PM_{2.5} than the Ukiah-Library site.

The original Willits Justice Center site (39°24'42.3" N, 123°21'09.5" W) is located at 125 E. Commercial Street, Willits, CA 95490 on the roof of the Willits Justice Building within a mostly residential area with a children's park, daycare center, and police station nearby. The proposed relocation site (39°23'55.0" N, 123°21'31.4" W) is located at the Willits Unified School District at 1277 Blosser Lane, Willits, CA 95490, approximately 5,000 feet southeast of the original site location. The proposed relocation site is surrounded by a residential neighborhood, a small industrial park, Indian reservation and casino, and K-7 schools. Both sites are in an area characterized by residential and commercial land use. Therefore, the proposed relocation site is expected to measure similar PM_{2.5} concentrations from similar sources due to the consistency in land use and proximity to sources, and will not prevent MCAQMD from meeting 40 CFR part 58, Appendix D requirements.

Based on the assessment of the scale of representation at both locations, EPA has determined that MCAQMD's request meets the requirement that the replacement site is at a nearby location with the same scale of representation and does not compromise data needed for implementation of the NAAQS. EPA thus approves relocation of the Willits Justice Center PM_{2.5} SLAMS monitor to the proposed site. This approval assumes that the new site will meet all 40 CFR part 58 requirements, including the siting requirements specified in Appendix E. Please work with EPA to ensure that the new site meets all relevant requirements. As this is a relocation, the data from the old and new sites will be combined to form one continuous data record for design value calculations. Please note this in the AQS comment field for both the old and the new AQS site. Also, please attach this letter and include the relevant monitor and site information in the next California Air Resources Board Annual Monitoring Network Plan.

If you have any questions, please feel free to contact me at (415) 947-4134 or Dena Vallano of my staff at (415) 972-3134.

Sincerely,

Gwen Yoshimura, Manager
Air Quality Analysis Office
Air and Radiation Division

cc (via email): Manisha Singh, CARB
Greg Gilani, CARB
Kathleen Gill, CARB
Ranjit Bhullar, CARB
Sylvia Vanderspek, CARB
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Warren Massie, MCAQMD

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EPA Site Closure Tests for CO Monitors

-Calexico-Ethel Street (060250005)

1-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 35 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
5.0	8.2	8.2	5.2	4.7	6.3	1.78	2.13	5	7.96	28.00	PASS

8-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 9 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
3.9	4.5	4.5	3.3	3.1	3.9	0.65	2.13	5	4.48	7.20	PASS

-Chico-East Avenue (060070008)

1-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 35 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
1.7	1.7	19.4	19.4	7.2	9.9	8.98	2.13	5	18.43	28.00	PASS

8-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 9 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
1.3	1.4	6.4	6.4	3.6	3.8	2.53	2.13	5	6.23	7.20	PASS

-Modesto-14th Street (060990005)

1-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 35 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
2.7	2.0	2.6	2.6	2.2	2.4	0.30	2.13	5	2.71	28.00	PASS

8-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 9 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
1.5	1.6	1.9	1.9	1.8	1.7	0.18	2.13	5	1.91	7.20	PASS

-Stockton-Hazelton (060771002)

1-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 35 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
2.0	2.3	3.0	3.0	2.6	2.6	0.43818	2.13	5	2.9974	28.0000	PASS

8-HOUR CO NAAQS: Less than 10% Chance of Exceeding 80% of the 9 ppm CO NAAQS

Year 1 DV (ppm)	Year 2 DV (ppm)	Year 3 DV (ppm)	Year 4 DV (ppm)	Year 5 DV (ppm)	Average DV (ppm)	Std. Dev. s	Student's t value (90% confidence)	Number of Data Values (n)	90% Upper CI (ppm)	80% NAAQS (ppm)	Test
2016	2017	2018	2019	2020	2016-2020						
1.4	1.9	2.4	2.4	1.7	2.0	0.43932	2.13	5	2.3785	7.2000	PASS

Appendix D

Summary of Public Comments and CARB Responses

The Annual Network Plan was made available for a 30-day public review from May 27 to June 27, 2022, and no comment was received.

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