Appendices to the 2025 Annual Network Plan

List of Appendices

Appendix A: Detailed Site Reports

Appendix B: Ozone Seasonal Monitoring Sites Waiver Request

Appendix C: Supporting Documentation for Site Changes

Appendix D: Detailed Site Reports - CARB Operated Sites Outside of CARB ANP

Appendix E: Summary of Public Comments and CARB Responses

Detailed Site Reports

Amador County APCD

AGS ID	Local Site Name		Jackson-Clinton Road			
SPS Coordinates 38,34261, +120,76443			SULF CHECKELS SECTOR CONTROL SERVICE CONTROL C			
Street Address						
Distance to roadways (meters)						
Distance to readways (meters)	2.5 (1994) 1997 (1		1951 4 1			
Traffic Count (ADTypar) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, PCC Ozone, 1 Primary Parameter Code A4201 Basic montioning objective(s) NaAOS Site type(s) Nontor (type(s) Nationing Statistical area of the statisti	The organization will		The Control of the Co			
Asphalt			AD SERVICES CONTROL SERVICES SERVICES			
Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Pollutant, POC Primary, A-Audit, Supplementary, or N/A Primary Parameter Code Basis monitoring objective(s) NAAQS Site type(s) Nonitor type(s) Network affiliation(s) Instrument manufacturer and model Note of the state of the stat						
Pollutant, POC	Ground Cover		Asphalt			
Primary, QA-Audift, Supplementary, or N/A Parameter Code Basic monitoring objective(s) NAAQS Site type(s) Population Exposure Monitor type(s) Network affiliation(s) Network affiliation(s) Nick of SILAMS Nick of SILAMS Nick	Representative statistical area name (i.e. MSA, CBSA, other)		None			
Parameter Code	Pollutant, POC	Ozone, 1				
Basic monitoring objective(s) Site type(s) Population Exposure Monitor type(s) SLAMS Network affiliation(s) NiA Instrument manufacturer and model Teledyne API 400 Method code 87 FRM/FEBM/ARM/Other Collecting Agency ARB Collecting Agency ARB Collecting Agency Analytical Lab (i.e. weigh lab, toxics lab, other) NiA Reporting Agency Spatial scale Monitoring start date Current sampling frequency including exceptional events NiA Required sampling frequency including exceptional events NiA Sampling season Probe height (meters) Distance from obstructions on roof (meters) Distance for mostructions on roof (meters) NiA Distance to non obstructions on roof (meters) NiA Distance to non obstructions not on roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance to non obstructions not no roof (meters) NiA Distance from obstructions not no roof (meters) NiA Distance from obstructions not no roof (meters) NiA Distance to nearest tree drip line (meters) NiA Distance between monitors fulfilling a QA collocation requirement (meters) NiA Unrestricted airflow (degrees around probe/linlet or % of monitoring path) Probe material for reactive gases NO/NOZ/NOY, SOZ, O3; PAMS: VOCs, Carbony's (e.g. Pyrex, stainless steel, Teflon)	Primary, QA-Audit, Supplementary, or N/A	Primary				
Site type(s) Monitor type(s) SLAMS Network affiliation(s) Instrument manufacturer and model Instrument manufacturer and model Instrument manufacturer and model S7 FRMFEM/ARM/Other FEM Collecting Agency ARB ARB Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB ARB Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB ARB Courrent sampling frequency ARB Monitoring start date Syft/1992 Courrent sampling frequency Courrent sampling frequency Required sampling frequency Required sampling frequency Required sampling season 1-Jan-31-Dec Distance from obstructions on roof (meters) Distance from obstructions on roof (meters) No obstructions Height above probe for obstructions on roof (meters) No Abstructions Distance from obstructions not on roof (meters) No Abstructions No Distance from obstructions not on roof (meters) No Distance from obstructions not on roof (meters) No Distance from obstructions not on roof (meters) No Abstructions No Distance to nearest tree drip line (meters) No Distance to nearest tree drip line (meters) Ni/A Distance to nearest tree drip line (meters) Ni/A Distance between monitors fulfilling a QA collocation requirement (meters) Ni/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, stailabes steel, reflen)	Parameter Code	44201				
Site type(s) Monitor type(s) SLAMS Network affiliation(s) Instrument manufacturer and model Instrument manufacturer and model Instrument manufacturer and model S7 FRMFEM/ARM/Other FEM Collecting Agency ARB ARB Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB ARB Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB ARB Courrent sampling frequency ARB Monitoring start date Syft/1992 Courrent sampling frequency Courrent sampling frequency Required sampling frequency Required sampling frequency Required sampling season 1-Jan-31-Dec Distance from obstructions on roof (meters) Distance from obstructions on roof (meters) No obstructions Height above probe for obstructions on roof (meters) No Abstructions Distance from obstructions not on roof (meters) No Abstructions No Distance from obstructions not on roof (meters) No Distance from obstructions not on roof (meters) No Distance from obstructions not on roof (meters) No Abstructions No Distance to nearest tree drip line (meters) No Distance to nearest tree drip line (meters) Ni/A Distance to nearest tree drip line (meters) Ni/A Distance between monitors fulfilling a QA collocation requirement (meters) Ni/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, stailabes steel, reflen)	Basic monitoring objective(s)	NAAQS				
Monitor type(s)		Population Exposure				
Network affiliation(s)		SLAMS				
Instrument manufacturer and model Method code 87 FEM FEM Collecting Agency ARB Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB Spatial scale Neighborhood Monitoring start date Current sampling frequency Required sampling frequency including exceptional events Smpling season 1-Jan- 34-Dec Probe height (meters) Distance from supporting structure (meters) Distance from obstructions not nor for (meters) No obstructions No Distructions not nor nor (meters) No obstructions No Distructions not nor nor (meters) No obstructions No Distructions on roof ineters) No obstructions No Distructions on roof ineters) No obstructions No Distructions on roof ineters) No obstructions No obstructions No obstructions Distance from obstructions not no roof (meters) No obstructions No obstructions No obstructions Distance to mearest tree drip line (meters) No obstructions N		N/A				
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Collecting Agency Analytical Lab (i.e. weigh lab, toxics lab, other) N/A Reporting Agency ARB Spatial scale Neighborhood Monitoring start date Sryatial scale Sryatial scale Monitoring start date Sryatial scale Sryatial scale Monitoring start date Sryatial scale Sry						
Analytical Lab (i.e. weigh lab, toxics lab, other)	FRM/FEM/ARM/Other	FEM				
Analytical Lab (i.e. weigh lab, toxics lab, other) Reporting Agency ARB Spatial scale Neighborhood Monitoring start date Current sampling frequency Current sampling frequency Required sampling frequency including exceptional events N/A Sampling season 1-Jan - 31-Dec Probe height (meters) Distance from supporting structure (meters) Distance from obstructions on roof (meters) No obstructions Height above probe for obstructions not on roof (meters) No obstructions No obstructions No obstructions No obstructions Distance from obstructions not on roof (meters) No obstructions No obstructions Distance from obstructions not on roof (meters) No obstructions No obstructions No obstructions Distance for obstructions not on roof (meters) No obstructions No ob	Collecting Agency	ARB				
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Spatial scale Monitoring start date Soft/1992 Current sampling frequency Required sampling frequency including exceptional events N/A Sampling season Probe height (meters) Distance from supporting structure (meters) Distance from obstructions on roof (meters) N/A Distance from obstructions on roof (meters) No obstructions N/A Distance from obstructions not on roof (meters) No obstructions N/A Distance from obstructions not on roof (meters) No obstructions N/A Distance from obstructions not on roof (meters) No obstructions N/A Distance for obstructions not on roof (meters) No obstructions N/A Distance for obstructions not on roof (meters) N/A Distance to nearest tree drip line (meters) Distance to nearest tree drip line (meters) N/A 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)						
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) No obstructions Distance from obstructions not on roof (meters) No obstructions Height above probe for obstructions on roof (meters) Ni/A Distance to nearest tree drip line (meters) > 10 Distance to nearest tree drip line (meters) Ni/A Distance to furnace or incinerator flue (meters) Ni/A Distance to furnace or incinerator flue (meters) Ni/A Distance between monitors fulfilling a QA collocation requirement (meters) Ni/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)						
Current sampling frequency Required sampling frequency including exceptional events N/A Sampling season 1-Jan - 31-Dec Probe height (meters) Distance from supporting structure (meters) Distance from obstructions on roof (meters) No obstructions Height above probe for obstructions not on roof (meters) No obstructions Height above probe for obstructions not on roof (meters) No obstructions Height above probe for obstructions not on roof (meters) N/A Distance from obstructions not on roof (meters) N/A Distance to nearest tree drip line (meters) N/A Distance to furnace or incinerator flue (meters) N/A Distance between monitors fulfilling a QA collocation requirement (meters) N/A Distance between from obstructions of the monitoring path) Trobe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	The state of the s					
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Distance from obstructions not on roof (meters) Height above probe for obstructions not on roof (meters) N/A 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) 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)		TO THE PART OF THE				
Height above probe for obstructions not on roof (meters) 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) 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)		100.10 C 100.10 W				
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) 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) >10 meters N/A N/A 360 Teflon	SERVING CONTROL AND CONTROL CO	DOUGHART TEATHURACONTRA GEST CONTRACTORISM				
Distance to furnace or incinerator flue (meters) Distance between monitors fulfilling a QA collocation requirement (meters) 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)		11254270 14				
Distance between monitors fulfilling a QA collocation requirement (meters) 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)						
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						
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Distance between members ramming a Q (conceation requirement (meters)	147.				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		Teflon				
		NV VPPCONNEQUES				
Tresidence lime for reactive gases NO/NO2/NO9, SO2, O3, PAIVIS: VOCS, T3.0 T	Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.0				
Carbonyls (seconds)		DOSESTING W				
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						
	, , , , , , , , , , , , , , , , , , , ,	2000				
Frequency of flow rate verification for automated PM analyzers N/A	Frequency of flow rate verification for automated PM analyzers	N/A				
Frequency of one-point QC check for gaseous instruments Daily	Frequency of one-point QC check for gaseous instruments	Daily				
Date of Annual performance evaluation conducted in the past calendar year for 2/21/2024	Date of Annual performance evaluation conducted in the past calendar year for	2/21/2024				
gaseous parameters	gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for N/A	Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A				
PM monitors	acontareowic A					

Antelope Valley AQMD

Local Site Name	Lancaster-Fairgrounds					
AQS ID			06-037-9035			
GPS Coordinates		34.725389, -118.178601				
		2551 W. Avenue H , Lancaster, 93535				
Street Address						
County		40.1	Los Angeles			
Distance to roadways (meters)		700 (90 (90 (90 (90 (90 (90 (90 (90 (90 (Avenue G8, 730m to Ave	97 (c. 1844 - 7 (c. 1849) - 1 (18		
Traffic Count (AADT,year)		Avenue G8	- 50 estimate, Avenue H - 3	3,750 (2014)		
Ground Cover			Asphalt			
Representative statistical area name (i.e. MSA, CBSA, other)			Beach-Anaheim Metropoli			
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 1	PM2.5, 1		
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary		
Parameter Code	42602	44201	81102	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS, Public Info.	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 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	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		
Reporting Agency	Antelope Valley	Antelope Valley	Antelope Valley	Antelope Valley		
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	12/28/2022	12/28/2022	12/22/2022	12/22/2022		
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	6	6		
Distance from supporting structure (meters)	1	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		
3 a a a a a a a a a a	8.252 X	2.352.5	3 11.2 1	1312 4		
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,	Teflon	Teflon	N/A	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	6.1	7.9	N/A	N/A		
Carbonyls (seconds)						
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	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	3/5/2024	3/5/2024	N/A	N/A		
gaseous parameters	week to the loan for the loan					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	03/05/24	03/05/24		
PM monitors	NACO COLO		09/11/24	09/11/24		

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 B4, Chico, 95926					
CANADAS NOSSESSANA ASSESSA		304	Butte	3320			
County		2= #45500;					
Distance to roadways (meters)			895 to CA-99				
Traffic Count (AADT,year)			47,200 (2020)				
Ground Cover			Asphalt	2.			
Representative statistical area name (i.e. MSA, CBSA, other):			co Metropolitan Statistical				
Pollutant, POC	CO, 3	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	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	CSN Supplemental		
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	CARB	CARB	CARB	CARB	CARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A		
Reporting Agency	CARB	CARB	CARB	CARB	CARB		
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,	Teflon	Teflon	Teflon	N/A	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		se Secularization	St. Andready-chrophedic	D00001983 (b.	STATISTICS CO.		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.7	19.5	14.5	N/A	N/A		
Carbonyls (seconds)							
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	12/12/2022	12/12/2022	8/4/2022	N/A	N/A		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	8/13/2024	8/13/2024	8/13/2024	02/05/24 08/13/24	02/05/24 08/13/24		

Local Site Name		Gridley				
		06-007-4001				
AQS ID						
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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,	N/A	 				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	13073					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	 				
Carbonyls (seconds)	1073					
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		 				
requestey of new rate vermeation for manual Fish samplers, more any Fishers	13// \					
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	N/A					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/06/24					
PM monitors	10/15/24					

Local Site Name	<u> </u>		Paradiaa Clark		
			Paradise - Clark		
AQS ID			06-007-2003		
GPS Coordinates		<u> 2278748</u>	39.757861, -121.607908		
Street Address		5921 Clark Road, Paradise, 95969			
County			Butte		
Distance to roadways (meters)			72 to CA-191 (Clark Rd)		
Traffic Count (AADT,year)			9,500 (2021)		
Ground Cover			Asphalt		
Representative statistical area name (i.e. MSA, CBSA, other)		Chi	co 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)	Highest Concentration	Population Exposure			
Monitor type(s)	SLAMS	Other			
Network affiliation(s)	N/A	N/A			
Instrument manufacturer and model	Teledyne API T400	Met One BAM 1020			
Method code	87	170			
FRM/FEM/ARM/Other	FEM	Other			
Collecting Agency	CARB	CARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	CARB	CARB			
Spatial scale	Neighborhood	Neighborhood			
Monitoring start date	5/2/2023	5/16/2023			
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)	6.25	7.39			
Distance from supporting structure (meters)	2.08	3.23			
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 meters	>10 meters			
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	Teflon			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	11.0	TOTION			
Carbonyls (seconds)		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	No			
Frequency of flow rate verification for manual PM samplers, including Pb samplers		110			
1. 194851.39 of now facto formoution for mandar i in outlipioto, mordaling i b outlipiers	N/A	N/A			
Frequency of flow rate verification for automated PM analyzers	N/A	Semi-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	8/29/2024	IN/A			
gaseous parameters	0/23/2024	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for		02/14/24			
PM monitors	N/A	08/29/24			
1 M Homoro	I IV/	1 30/20/27	I.	1	

Calaveras County APCD

Local Site Name			an Andreas-Gold Strike Ro	ad.		
AQS ID		30	06-009-0001	AM		
GPS Coordinates		F04.0	38.20185, -120.68028	05240		
Street Address		501 Go	ld 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 1020N	Met One BAM 1020			
Method code	87	122	170			
FRM/FEM/ARM/Other	FEM	FEM	FEM			
Collecting Agency	CARB	CARB	CARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A			
Reporting Agency	CARB	CARB	CARB			
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,	Teflon	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	on additional ordered	Section 6	of sectors on			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.6	N/A	N/A			
Carbonyls (seconds)						
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	8/21/2024	N/A	N/A			
·						
gaseous parameters				l l		
gaseous parameters Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/21/24	02/21/24			

Colusa County APCD

Local Site Name			Colusa-Sunrise Blvd			
AQS ID			06-011-1002			
GPS Coordinates			39.18919, -121.99887			
		100	- Control of the Cont	22		
Street Address		100	Sunrise Blvd, Colusa, 959	32		
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	Primary			
Parameter Code	44201	81102	88101			
Basic monitoring objective(s)	NAAQS	NAAQS	Public Information			
Site type(s)	General Background	High Concentration; 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	170			
FRM/FEM/ARM/Other	FEM	FEM	FEM			
Collecting Agency	CARB	CARB	CARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A			
	CARB	CARB	CARB			
Reporting Agency Spatial scale	ENVERTMENT DATE OF THE	Neighborhood	Neighborhood			
[30] #1305550460 200504466	Regional 07/01/1996	2/1/2016	7/1/2021			
Monitoring start date	573.5300 % (CO 333.635.6353)	NEW 2004-1932/1942				
Current sampling frequency	Continuous N/A	Continuous N/A	Continuous N/A			
Required sampling frequency including exceptional events Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec			
Probe height (meters)	5.3	5.9	6.4			
Distance from supporting structure (meters)	3.3	2.2	4.2			
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)	No obstructions N/A	N/A	N/A			
Distance to nearest tree drip line (meters)	>10 meters	>10 meters	>10 meters			
Distance to flearest tree drip line (frieters) 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,	Teflon	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	I GIIOII	IN/A	IN/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.5	N/A	N/A			
Carbonyls (seconds)	10.0	11//	DUA.			
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	4/25/2024	N/A	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	04/25/24	04/25/24			
PM monitors		10/24/24	10/24/24			
1 III III WIII WIII W		10,27,27	10/27/27			

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			
Charles And Andrews (Andrews Andrews A		•		
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, 2			
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,	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A			
Carbonyls (seconds)				
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	N/A			
gaseous parameters				
Date of two semi-annual flow rate audits conducted in the past calendar year for	03/06/24			
PM monitors	09/10/24			

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)			Ave (235m), West Ward Ave. (162m), Jacks Ranch Road (800m)		
Traffic Count	Primavera 5 (staff es	stimate), Sydnor 15 (staff e	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)		Bakers	sfield 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,	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		SALEMENT OF			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A			
Carbonyls (seconds)	residance de	NEWSPACE OF			
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			
, , , , , , , , , , , , , , , , , , , ,	100000				
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	N/A	N/A			
gaseous parameters	XXXXXXXXXX - 72	200/00/2007 ST			
Date of two semi-annual flow rate audits conducted in the past calendar year for	03/06/24	03/06/24			
PM monitors	09/18/24	09/18/24			

Lacal Site Name			Majova Dot Ava		Ĭ		
Local Site Name			Mojave - Pat Ave				
AQS ID			06-029-0020				
GPS Coordinates		***	35.04944, -118.18893	20504			
Street Address		3200	Pat Avenue, Mojave, CA 9	93501			
County			Kern				
Distance to roadways (meters)		1,367 to SR-14					
Traffic Count (AADT,year)			17,000 (2017)				
Ground Cover			Dirt/Soil				
Representative statistical area name (i.e. MSA, CBSA, other)		Bakers	sfield Metropolitan Statistica	al 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	CARB	CARB	CARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A				
Reporting Agency	CARB	CARB	CARB				
Spatial scale	Regional	Urban	Urban				
Monitoring start date	3/8/2023	3/8/2023	3/8/2023				
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,	Teflon	N/A	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	TOHOLI	1377 3	1302				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.6	N/A	N/A				
Carbonyls (seconds)	10.0	1377	14// 1				
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	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	3/7/2024	N/A	N/A				
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	03/07/24	03/07/24				
PM monitors		09/10/24	09/10/24				

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	CARB				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A				
Reporting Agency	CARB				
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				
	200				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	22.5				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.3				
Carbonyls (seconds)	3. 1 227				
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	4/19/2024				
gaseous parameters	aze se beretendinakan S				
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A				
PM monitors					
	L.				

Local Site Name		Echo Summit (seasonal)				
		06-017-0012				
AQS ID						
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)		2,500				
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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)	1.8					
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					
VANIE 0 1,00 II,						
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360					
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.0					
Carbonyls (seconds)						
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	6/11/2024					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						

Local Site Name	Placerville - Canal						
		06-017-2004					
AQS ID							
GPS Coordinates		38.73319, -120.81372					
Street Address		561 Canal St, Placerville, CA 95667561 Canal St, Placerville, CA 95667					
County		El Dorado					
Distance to roadways (meters)		19 to US-50					
Traffic Count (AADT,year)		49,500					
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)	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	CARB						
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A						
Reporting Agency	CARB						
Spatial scale	Neighborhood						
Monitoring start date	6/16/2022						
Current sampling frequency	Continuous						
Required sampling frequency including exceptional events	N/A						
Sampling season	1-Jan - 31-Dec						
Probe height (meters)	10.4						
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)	None						
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360						
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	ve and consistences						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.8						
Carbonyls (seconds)	No. Allen dy						
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	4/22/2024						
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A						

Courtle Lake Talage County May							
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)		17,500					
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	CARB						
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A						
Reporting Agency	CARB						
Spatial scale	Middle						
Monitoring start date	12/1/1992						
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)	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)	None						
Distance between members ramming a server requirement (motors)	None						
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360						
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A						
Carbonyls (seconds)	OlisherSibe - re						
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	N/A						
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	04/26/24						
PM monitors	10/14/24						

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				
AND TRANSPORTED A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP		\$ 650000E				
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.3					
Carbonyls (seconds)						
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						
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	5/6/2024					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A					

Local Site Name			Yuba City		
			06-101-0003		
AQS ID			100/01/100/01/100/01/01/01/01/01		
GPS Coordinates		770	39.13876, -121.61872	004	
Street Address			Almond St, Yuba City, 95	991	
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 Statistica	al Area	
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3	PM2.5, 4
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	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	CARB	CARB	CARB	CARB	CARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	CARB	CARB	CARB	CARB	CARB
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,	Teflon	Teflon	N/A	N/A	N/A
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		en habitation internal production			The American Market
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	19.1	13.3	N/A	N/A	N/A
Carbonyls (seconds)	- 1.1. Table - 1.1			***************************************	9000100000000
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	8/16/2024	8/16/2024	N/A	N/A	N/A
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	02/09/24	02/09/24	02/09/24
PM monitors			08/16/24	08/16/24	08/16/24

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, 95		
County		720	Glenn		
No. 100 Mary Market V			1,092 to CA-162		
Distance to roadways (meters)			A CHANGE IN MAN IN LAWER H		
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	Primary	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	CARB	CARB	CARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A		
Reporting Agency	CARB	CARB	CARB		
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,	Teflon	N/A	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		VA ANDROOM AND	Application of the second		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.3	N/A	N/A		
Carbonyls (seconds)	1270117	NATE S.	15 74-51 71		
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		
	13073	1973	1073		
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	2/20/2024	N/A	N/A		
gaseous parameters		ANALYSIS IN	AN ANYON DO		
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/20/24	02/20/24		
PM monitors		08/23/24	08/23/24		

Imperial County APCD

Local Site Name Brawley-Main Street #2						
AQSID			06-025-0007			
GPS Coordinates			32.97831, -115.53904			
Street Address		2	20 Main St., Brawley, 92227			
- CONTROL WITE - AND TO SERVE METERS AND - AND A SERVEN						
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)			ntro Metropolitan Statistical Are	ea		
Pollutant, POC	PM10, 3	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary				
Parameter Code	81102	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	Met One BAM 1020	Met One BAM 1022				
Method code	122	209				
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	8/11/2009	6/23/2021				
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)	12.4	12.1				
Distance from supporting structure (meters)	2.4	2.1				
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)	N/A (No trees)	N/A (No trees)				
Distance to flearest tree drip line (frieters)	N/A	N/A (No trees)				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A				
Distance between monitors rullilling a QA collocation requirement (meters)	IN/A	IN/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,	N/A	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A				
Carbonyls (seconds)	DESTRUCT OF	\$507 pg/div 34				
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	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	N/A	N/A				
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	03/13/24	03/13/24				
PM monitors	09/17/24	09/17/24				

Local Site Name			El Centro-9th Street		
Local Site Name					
AQS ID			06-025-1003		
GPS Coordinates		24	32.79215, -115.56299		
Street Address		1	50 9th St, El Centro, 9224	3	
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 Cer	ntro Metropolitan Statistica	l Area	
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 4	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	
Parameter Code	42602	44201	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Highest Concentration	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 200	Teledyne API 400	Met One BAM 1020	Met One BAM 1022	
Method code	99	87	122	209	
FRM/FEM/ARM/Other	FRM	FEM	FEM	FEM	
Collecting Agency	Imperial County	Imperial County	Imperial County	Imperial County	
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	1/1/1980	02/01/1988	7/1/2015	11/13/2021	
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)	11.9	11.9	12.3	12.4	
Distance from supporting structure (meters)	1.9	1.9	2.3	2.4	
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	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,	Teflon	Teflon	N/A	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	0 /2002/04	0 T 100 T 34	E 32507 D	6 M.S. W	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.5	14.8	N/A	N/A	
Carbonyls (seconds)			-		
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	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	3/19/2024	3/19/2024	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	03/19/24 09/17/24	03/19/24 09/17/24	
I WI HOURD		J	00/17/24	05/17/24	

Local Site Name:	ne: Niland-English Road						
			06-025-4004				
AQS ID:							
GPS Coordinates:			33.21349, -115.54514				
Street Address:		//1	1 English Road, Niland, 92	2257			
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 Ce	ntro Metropolitan Statistica	l 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					
I have obvious a simfley (do muse of constant and a finish on 0/ of constant and other	360	360					
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360 Tofler	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,	8.3	N/A			+		
Carbonyls (seconds)	0.5	IN/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	N/A N/A			+		
Trequency of now rate verification for manual rivi samplers, including rb samplers	IV/A	IN/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	12/10/2024	N/A					
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	03/13/24					
PM monitors		12/10/24					

Local Site Name: Westmorland						
AQS ID:			06-025-4003			
GPS Coordinates:		570	33.03239, -115.62362	2004		
Street Address:		570 (Cook St., Westmorland, 9	12281		
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 Cer	ntro Metropolitan Statistica	al 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 N/A	Continuous N/A			+	
Required sampling frequency including exceptional events	N 1900/1902/9 NV					
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,	Teflon	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.0	N/A				
Carbonyls (seconds)		<u> </u>			<u> </u>	
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	3/13/2024	N/A				
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	03/13/24				
PM monitors	400 (CO.C.) 40	09/17/24				
2 100 000 000 000 000					1	

Local Site Name:	Calexico-Ethel Street				
AQS ID:			06-025-0005		
GPS Coordinates:		4005	32.67887, -115.48292	0004	
Street Address:		1085	Andrade Ave, Calexico, 9	2231	
County:			Imperial		
Distance to roadways (meters):			26 to CA-98		
Traffic Count (AADT,year)			18,100 (2016)		
Ground Cover:			Concrete		
Representative statistical area name (i.e. MSA, CBSA, other):		El Cer	ntro Metropolitan Statistica	l Area	
Pollutant, POC	NO2, 1 Ozone, 1 SO2, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary		
Parameter Code	42602	44201	42401		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure	Highest Concentration	Population Exposure		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Thermo 42iQ	Teledyne T400	Thermo 43iQTL		
Method code	74	87	560		
FRM/FEM/ARM/Other	FRM	FEM	FEM		
Collecting Agency	CARB	CARB	CARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A		
Reporting Agency	CARB	CARB	CARB		
Spatial scale	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	3/1/1994	4/1/1994	3/1/2013		
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)	4.6	4.6	4.6		
Distance from supporting structure (meters)	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)	N/A	N/A	N/A		+
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A		+
Distance to nearest tree drip line (meters)	>19	>19	>19		+
Distance to flearest tree drip line (frieters) Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A		+
	N/A N/A	N/A N/A	N/A N/A		
Distance between monitors fulfilling a QA collocation requirement (meters)	360		360		
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)		360 Taflan			
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon	Teflon	Teflon		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	0.0	0.0	44 5		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.8	8.6	11.5		
Carbonyls (seconds)	KI -	NI -	NI		
Will there be changes within the next 18 months?	No N/A	No N/A	No N/A		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	N/A		
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	N/A		
Frequency of one-point QC check for gaseous instruments	Precision S-Th*	Precision S-Th*	Precision S-Th*		
Date of Annual performance evaluation conducted in the past calendar year for	3/12/2024	3/12/2024	3/12/2024		
gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	N/A		
PM monitors					

^{*}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, 9	2231	
County:			Imperial		
Distance to roadways (meters):			26 to CA-98		
Traffic Count (AADT,year)			18,100 (2016)		
Ground Cover:			Concrete		
Representative statistical area name (i.e. MSA, CBSA, other):		FLCa	ntro Metropolitan Statistica	ΙΔτορ	
Pollutant, POC	PM10, 3	PM2.5, 2	PM2.5, 3	1 Alea	1
Primary, QA-Audit, Supplementary, or N/A	Primary	Supplementary	Primary		
Parameter Code	81102	88101	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure	Population Exposure	Population Exposure		
	SLAMS	SLAMS	SLAMS		
Monitor type(s) Network affiliation(s)	N/A	CSN supplemental	N/A		+
Instrument manufacturer and model	Met One BAM 1020	Thermo 2000l	Met One BAM 1020 W		+
Instrument manufacturer and model	IVIEL ONE DAIVI 1020	THEITIO 2000I	VSCC		
Method code	122	143	170		
FRM/FEM/ARM/Other	FEM	FRM	FEM		
18 72 BM (CARACT TO CARACTER) PRODUCTION (CARACTER)	CARB	750K - 1053KW351K	CARB		
Collecting Agency	LES VANCES	CARB	\$500 box650=20		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A CARB	CARB	N/A CARB		
Reporting Agency		CARB			
Spatial scale	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	01/15/2016	4/1/2021	12/1/2020		
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	4.6	4.8		
Distance from supporting structure (meters)	2.1	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)	N/A	N/A	N/A		
Height above probe for obstructions not on roof (meters)	3	3	3		
Distance to nearest tree drip line (meters)	>19	>19	>19		
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,	N/A	N/A	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	NI/A	N1/8	N/A		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A	N/A		
Carbonyls (seconds)	\/	\/	V		+
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 N/A		+
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Semi-Monthly	N/A		
Frequency of flow rate verification for automated PM analyzers	Semi-Monthly	Semi-Monthly	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	03/12/24	03/12/24	03/12/24		
PM monitors	09/16/24	09/16/24	09/16/24		

Lake County AQMD

Local Site Name Lakeport-S. Main Street						
AQS ID			06-033-3002			
GPS Coordinates			39.018900, -122.913350			
Street Address		2047.0	740 170 170 170 170 170 170 170 170 170 17	2A 0E4E2		
LEGALINGUISTON ANDREWSON & SE SIN		2617 Sou	th Main Street, Lakeport, (JA 90403		
County			Lake			
Distance to roadways (meters)			30			
Traffic Count Notes			15,300 (2015)			
Ground Cover		Clear	lake Micropolitan Statistica	l 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	CARB	CARB	CARB			
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	<u> </u>		
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	N/A			
Distance between monitors fullilling a QA collocation requirement (meters)	IN/A	IN/A	IN/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,	Teflon	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	upotacrees orașeli		9 43340 4			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.2	N/A	N/A			
Carbonyls (seconds)						
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	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	5/17/2024	N/A	N/A			
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	05/17/24	05/17/24			
PM monitors		11/27/24	11/27/24			

Note: The Lake County AQMD is working with CARB and EPA to resolve District staffing and funding issues, as well as identifying equipment options for PM10 & PM2.5 to resolve the sampling frequency. *The Lake County Air Quality Management District is a non-real time data stream that will be updated monthly.

Mariposa County APCD

Local Site Name:		Jerseydale (seasonal)	1
AQS ID:	06-043-0006		
GPS Coordinates:	37.54377, -119.83957		
Street Address:			
AND	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	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	CARB		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A		
Reporting Agency	CARB		
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,	Teflon		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	TOHOLI		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.6		
Carbonyls (seconds)	10.0		
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 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	10/17/2024		
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A		

Local Site Name:		Y	osemite Village - Visitor Center
AQS ID:	06-043-1001		
GPS Coordinates:	37.74871, -119.58709		
Street Address:			
TAPOLE WITH WITH CONTROL OF TAPANON	Visitors Center, Yosemite Village, Yosemite National Park, 95389		
County:	Mariposa Sea Control C		
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	CARB	CARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	
Reporting Agency	CARB	CARB	
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,	N/A	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	13/53	1.023	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A	
Carbonyls (seconds)	14/1/	1973	
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	
1 requestry of new rate verification for manual r in samplers, including r b samplers	IN// X	IN//X	
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly	Notes:
Frequency of one-point QC check for gaseous instruments	N/A	N/A	* ARB and EPA concluded that the PM2.5 sampler is not FEM and is not
Date of Annual performance evaluation conducted in the past calendar year for	N/A	N/A	subject to federal siting criteria of CFR Title 40, Part 58, Appendix E; see
gaseous parameters		assorbation de	AQDA issued on 5-15-12.
Date of two semi-annual flow rate audits conducted in the past calendar year for	04/11/24	04/11/24	7
PM monitors	10/16/24	10/16/24	

Local Site Name		Vacamita ND Turtlahaak Dama	Ĭ	
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,	Teflon			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.9			
Carbonyls (seconds)				
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	10/16/2024			
gaseous parameters				
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A			
PM monitors				

Mendocino County AQMD

Local Site Name		Fort Bragg - 300 Dana Street			
AQS ID	06-045-0010				
GPS Coordinates	39.43734, -123.78766				
Street Address					
Defendance and American Pro- Exercisin		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,	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	14// (
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A				
Carbonyls (seconds)	13// 3				
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				
requestey of now rate verification for manual FW samplers, including Fb 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	05/21/24				
PM monitors	11/19/24				

Local Site Name	Ī	Ukiah - Municipal Airport		
AQS ID	06-045-0011			
GPS Coordinates	39.1252758, -123.2024482			
Street Address	1475 S State Street, 95482			
		,		
County		Mendocino		
Distance to roadways (meters)		643 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 T400			
Method code	087			
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	10/04/2024			
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,	Teflon			
Carbonyls (e.g. Pyrex, stainless steel, 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?	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				
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	2/15/2024			
gaseous parameters				
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A			
PM monitors				

Local Site Name		Ukiah - Library		
AQS ID	06-045-0006			
GPS Coordinates				
Street Address	39.15047, -123.20655			
(ACC)		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,	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	4585145, 57			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A			
Carbonyls (seconds)	REPORTE 15			
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	05/21/24			
PM monitors	11/19/24			
FINI HIGHIGUS	11/13/24			

Local Site Name		Willits - Blosser Lane	
AQS ID	06-045-2003		
GPS Coordinates			
Street Address	39.39861, -123.35872		
ACCOMMUNIC WINDOWS ACCOMMUNICATION		1277 Blosser Lane, Willits, 95490	
County		Mendocino 505 to 01 to 11 to 02	
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,	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	10/1		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A		
Carbonyls (seconds)	13773		
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		
requestey of now rate verification for mandar rivi samplers, including r b samplers	10/7		
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	N/A		
gaseous parameters	KOSCHICZEN - FO		
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/21/24		
PM monitors	11/19/24		

Mojave Desert AQMD

Local Site Name			Barstow		ĺ
AQS ID	06-071-0001				
GPS Coordinates	34.89405, -117.02471				
Street Address	34.89403, -117.02471 301 E. Mountain View St., Barstow, 92311				
Manager and programmed manager		301 E. I		v, 92311	
County			San Bernardino	•	
Distance to roadways (meters)			890 to I-15; 890 to CA-247		
Traffic Count (AADT,year)		66,000	0 (I-15); 18,400 (CA-247)	(2015)	
Ground Cover			Asphalt	12 7 7 12 12 12	
Representative statistical area name (i.e. MSA, CBSA, other)		Riverside-San Ber	rnardino-Ontario Metropolit	an Statistical Area	
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 1		
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary		
Parameter Code	42602	44201	81102		
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 200U	Teledyne API 400T	Met One BAM 1020		
Method code	99	87	122		
FRM/FEM/ARM/Other	FRM	FEM	FEM		
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A		
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Spatial scale	Middle	Middle	Neighborhood		
Monitoring start date	01/01/1973	01/01/1974	01/01/2014		
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)	5.2	5.2	5.7		
Distance from supporting structure (meters)	1	1	2.5		
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)	>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,	Teflon	Teflon	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	66. 8. (0 <u></u> 0	94.8.60	8500		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.0	14.3	N/A		
Carbonyls (seconds)					
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	N/A		
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	Every 2 weeks	Every 2 weeks	N/A		
Date of Annual performance evaluation conducted in the past calendar year for	3/21/2024	3/21/2024	N/A		
gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	03/21/24		
PM monitors			09/11/24	I	1

Land Cita Name			Hannaria Oliva Chraak		
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 t	o Olive Street; 36 to H Av	enue	
Traffic Count (AADT,year)			Not available		
Ground Cover			Dirt		
Representative statistical area name (i.e. MSA, CBSA, other)		Riverside-San Ber	nardino-Ontario Metropolit	an 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)	Highest Concentration	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)	4	4.5			
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,	Teflon	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	2.7	N/A			
Carbonyls (seconds)					<u> </u>
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	3/7/2024	N/A			
gaseous parameters		(MATERIAL TO A MATERIAL TO A M			
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	03/07/24			
PM monitors		09/11/24			

Local Site Name:	Ι	Joshua Tree National Monument - Black Rock		
AQS ID:	Joshua Tree National Monument - Black Rock 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,	Teflon			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	er sanonersawenns			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.7			
Carbonyls (seconds)	75 .515X			
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				
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	11/14/2024			
gaseous parameters				
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A			
PM monitors				

Local Site Name:	Lucerne Valley - Middle School					
		06-071-0013				
AQS ID:						
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)	3					
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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	9.31.4.5					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	85-3/44 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						
	1071					
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	N/A					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	03/20/24					
PM monitors	09/11/24					

I a sal Cita Nama.	Majaya National Processa					
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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	*					
Carbonyls (seconds)						
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	 				
CONTROL NO. CONTRO	1003541902 30					
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						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						

^{*}Last Sample Date was 10/31/2020; Site is not currently scheduled to be audited due to location, access, and power issues; not reporting data to AQS

Local Site Name:			Trona - Athol/Telescope #2)	
AQS ID:			06-071-1234	-	
GPS Coordinates:			35.771470, -117.37210		
Street Address:		Tol	escope & Athol, Trona, 935	562	
THE ALL OLD CONTROL OF THE CONTROL ON THE CONTROL OF THE CONTROL O		i ei		002	
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	NO2, 1	Ozone, 1	PM10, 2		
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary		
Parameter Code	42602	44201	81102		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS		
Site type(s)	Source Impact	Population Exposure	Highest Concentration; Source Impact		
Monitor type(s)	SLAMS	SLAMS	SLAMS		
Network affiliation(s)	N/A	N/A	N/A		
Instrument manufacturer and model	Teledyne API 200U	Teledyne API 400T	Met One BAM 1020		
Method code	99	87	122		
FRM/FEM/ARM/Other	FRM	FEM	FEM		
Collecting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A		
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD		
Spatial scale	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	04/01/1997	04/01/1997	6/1/1997		
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)	4.2	4.2	4.6		
Distance from supporting structure (meters)	1.2	1.2	>10		
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,	Teflon	Teflon	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)			1302.5		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.7	9.6	N/A		
Carbonyls (seconds)			0.705 3		
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	N/A		
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	Every 2 weeks	Every 2 weeks	N/A		
Date of Annual performance evaluation conducted in the past calendar year for	9/17/2024	9/17/2024	N/A		
gaseous parameters	and the man is	an interest	5.3%6 E		
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	04/09/24		
PM monitors	100 A 100 A	22002007 6	09/17/24		

Lacal Cita Nama	Viotorvilla Park Avanua				
Local Site Name:			Victorville - Park Avenue		
AQS ID:			06-071-0306		
GPS Coordinates:			34.51096, -117.32555		
Street Address:		143	306 Park Av, Victorville, 92	392	
County:			San Bernardino		
Distance to roadways (meters):			416 to CA-18; 416 to I-15		
Traffic Count (AADT,year)		40,00	00 (CA-18); 87,000 (I-15) (2	2015)	
Ground Cover:			Asphalt		
Representative statistical area name (i.e. MSA, CBSA, other):		Riverside-San Ber	nardino-Ontario Metropolit	an Statistical Area	
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 1	PM2.5, 1	PM2.5, 2
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	QA-Audit
Parameter Code	42602	44201	81102	88101	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Regional Transport; Population Exposure	Regional Transport; 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 200U	Teledyne API 400T	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	Mojave Desert AQMD	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	N/A
Reporting Agency	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD	Mojave Desert AQMD
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	01/01/2000	01/01/2000	1/1/2014	1/1/2016	1/1/2016
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)	6.9	6.9	7.5	7.6	7.6
Distance from supporting structure (meters)	1.9	1.9	2	2.1	2.1
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)	N/A (no trees)	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	N/A
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A	N/A	2	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,	Teflon	Teflon	N/A	N/A	N/A
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	16.5	17.0	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	Yes	Yes
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	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	Monthly	Monthly	N/A
Frequency of one-point QC check for gaseous instruments	Every 2 weeks	Every 2 weeks	N/A	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	3/6/2024	3/6/2024	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	03/06/24 09/11/24	03/06/24 09/11/24	03/06/24 09/11/24
EM HOHIOTS			03/11/24	03/11/24	03/11/24

Local Site Name	Blythe-Murphy Street					
AQS ID		06-065-9003				
GPS Coordinates						
273.005 N= 207 1274.005 1007.005.005.005		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	Primary					
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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)	5.4					
Distance from supporting structure (meters)	2.1					
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,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Antonia salawa atalawa atalawa					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.0					
Carbonyls (seconds)	THE RECORDER					
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	11/13/2024					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						

Monterey Bay ARD

Local Site Name			Carmel Valley			
AQS ID		06-053-0002				
GPS Coordinates			36.48187, -121.73333			
Street Address		35 Fo	rd Rd., Carmel Valley, CA	93924		
County		55151	Monterey	100021		
Distance to roadways (meters)			25			
Traffic Count (AADT,year)		153	333 ADT (2020) (TAMC-F	Poak)		
Ground Cover		130	Paved	eak)		
			MSA: Salinas, CA			
Representative statistical area name (i.e. MSA, CBSA, other)	02.1	DMO E 2	IVISA. Salifias, CA	1		
Pollutant, POC	O3, 1	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary		+		
Parameter Code	44201	88101				
Basic monitoring objective(s)	NAAQS	NAAQS				
Site type(s)	Population Exposure	Highest Concentration				
Monitor type(s)	SLAMS	SPM N/A				
Network affiliation(s)	N/A	N/A		-		
Instrument manufacturer and model	TEI 49C	MET ONE BAM-1020		-		
Method code	047	170		1		
FRM/FEM/ARM/Other	FEM	FEM				
Collecting Agency	MBARD	MBARD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A				
Reporting Agency	MBARD	MBARD				
Spatial scale	Neighborhood	Neighborhood				
Monitoring start date	10/12/1982	1/1/2012				
Current sampling frequency	Continuous	Continuous				
Required sampling frequency including exceptional events	N/A	N/A				
Sampling season	01/01-12/31	01/01-12/31				
Probe height (meters)	5.9	5				
Distance from supporting structure (meters)	3	2				
Distance from obstructions on roof (meters)	N/A	N/A				
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)	6.1 *	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,	Teflon	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.0	N/A				
Carbonyls (seconds)						
Will there be changes within the next 18 months?	Yes	Yes				
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	Weekly				
Frequency of one-point QC check for gaseous instruments	Daily	N/A				
Date of Annual performance evaluation conducted in the past calendar year for	8/29/2024	N/A				
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/06/2024				
PM monitors		08/29/2024				

^{*} EPA waiver granted in 2012.

Local Site Name AQS ID GPS Coordinates Street Address			Hollister				
GPS Coordinates	+		06-069-0002				
		36.843425, -121.3621					
Street Address	-	1070	ALCOHOLOGIA OF IN THE HOLD BY HER METHOD STREET	05000			
2000	-	19791	Fairview Rd., Hollister, CA	95023			
County	4		San Benito				
Distance to roadways (meters)		A Lagrange Lagran	100	_ (
Traffic Count (AADT,year)	4	(Nearby	Sunnyslope Rd.) 5666 AD	T (2017)			
Ground Cover		an artisant and	Gravel	Printing the Carlo			
Representative statistical area name (i.e. MSA, CBSA, other)		\$470236 08 6 0040	Jose - Sunnyvale - Santa	Clara, CA			
Pollutant, POC	O3, 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				
Site type(s)	Highest Concentration	Highest Concentration	Highest Concentration				
Monitor type(s)	SLAMS	SLAMS	SLAMS				
Network affiliation(s)	N/A	N/A	N/A				
Instrument manufacturer and model	TEI 49iQ	MET ONE BAM-1020	MET ONE BAM-1020				
Method code	047	122	170				
FRM/FEM/ARM/Other	FEM	FEM	FEM				
Collecting Agency	MBARD	MBARD	MBARD				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A				
Reporting Agency	MBARD	MBARD	MBARD				
Spatial scale	Neighborhood	Neighborhood	Urban				
Monitoring start date	1/1/1980	2/1/2011	1/1/2009				
Current sampling frequency	Continuous	Continuous	Continuous				
Required sampling frequency including exceptional events	N/A	N/A	N/A				
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31				
Probe height (meters)	4.2	5.1	4.9				
Distance from supporting structure (meters)	1.4	2.1	1.9				
Distance from obstructions on roof (meters)	N/A	N/A	N/A				
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A				
Distance from obstructions not on roof (meters)	N/A	N/A	N/A				
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A				
Distance to nearest tree drip line (meters)	N/A	N/A	N/A				
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,	Teflon	N/A	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	120021	NOTE STE	10100 2		ļ		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs, Carbonyls (seconds)	6.2	N/A	N/A				
Will there be changes within the next 18 months?	Yes	Yes	Yes				
ls 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 sampler	s N/A	N/A	N/A				
Frequency of flow rate verification for automated PM analyzers	N/A	Weekly	Weekly				
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	8/30/2024	N/A	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/05/2024 08/30/2024	02/05/2024 08/30/2024				

Local Site Name AQS ID GPS Coordinates Street Address County Distance to roadways (meters) Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	O3, 1 Primary 44201		King City 2 06-053-0008 36.209286, -121.126371 Pearl St., King City, CA 93 Monterey 50 ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA						
GPS Coordinates Street Address County Distance to roadways (meters) Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	27642 PM10, 3	36.209286, -121.126371 Pearl St., King City, CA 93 Monterey 50 ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA						
Street Address County Distance to roadways (meters) Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	27642 PM10, 3	Pearl St., King City, CA 93 Monterey 50 ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA						
County Distance to roadways (meters) Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	27642 PM10, 3	Monterey 50 ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA						
Distance to roadways (meters) Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	PM10, 3	50 ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA	y101)					
Traffic Count (AADT,year) Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	PM10, 3	ADT (2020) (CalTrans-Hw Paved MSA: Salinas, CA	y101)					
Ground Cover Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	PM10, 3	Paved MSA: Salinas, CA	y101)					
Representative statistical area name (i.e. MSA, CBSA, other) Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	to topical control of the	MSA: Salinas, CA						
Pollutant, POC Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	to topical control of the							
Primary, QA-Audit, Supplementary, or N/A Parameter Code Basic monitoring objective(s)	Primary 44201	to topical control of the	·						
Parameter Code Basic monitoring objective(s)	44201	Driman/	PM2.5, 3						
Basic monitoring objective(s)	St. 1000 19-4507 (c)	A 1.500 A 1.50	Primary						
	NIAAAA	81102	88101						
Sito typo(s)	NAAQS	NAAQS	NAAQS						
Site type(s)	Highest Concentration	Highest Concentration	Population Exposure						
Monitor type(s)	SLAMS	SLAMS	SPM						
Network affiliation(s)	N/A	N/A	N/A						
Instrument manufacturer and model	TEI 49C	MET ONE BAM-1020	MET ONE BAM-1020						
Method code	047	122	170						
FRM/FEM/ARM/Other	FEM	FEM	FEM						
Collecting Agency	MBARD	MBARD	MBARD						
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A						
Reporting Agency	MBARD	MBARD	MBARD						
Spatial scale	Neighborhood	Neighborhood	Neighborhood						
Monitoring start date	6/1/2007	2/1/2011	1/1/2012						
Current sampling frequency	Continuous	Continuous	Continuous						
Required sampling frequency including exceptional events	N/A	N/A	N/A						
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31						
Probe height (meters)	4.3	4.9	4.7						
Distance from supporting structure (meters)	1.5	2.3	2.1						
Distance from obstructions on roof (meters)	N/A	N/A	N/A						
Height above probe for obstructions on roof (meters)	N/A	N/A	N/A						
Distance from obstructions not on roof (meters)	N/A	N/A	N/A						
Height above probe for obstructions not on roof (meters)	N/A	N/A	N/A						
Distance to nearest tree drip line (meters)	N/A	N/A	N/A						
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,	Teflon	N/A	N/A						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)									
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	2.5	N/A	N/A						
Carbonyls (seconds)		A	50° - 70° -						
Will there be changes within the next 18 months?	Yes	Yes	Yes						
ls 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 sampler		N/A	N/A						
Frequency of flow rate verification for automated PM analyzers	N/A	Weekly	Weekly						
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	8/29/2024	N/A	N/A						
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	02/06/2024 08/29/2024	02/06/2024 08/29/2024						

Local Site Name	Pinnacles NM					
AQS ID		06-069-0003				
GPS Coordinates		36.485278, -121.155556				
Street Address		Pinnacles National Monument, 5000 Hwy 146, Paicines, CA 95043				
200220000000 0 0 0 0 00		San Benito				
Distance to readways (meters)		San Benito 75				
Distance to roadways (meters)		50103				
Traffic Count (AADT,year)		760 ADT (2019) (CalTrans./CA)				
Ground Cover		Gravel				
Representative statistical area name (i.e. MSA, CBSA, other)	2007	CBSA: San Jose – Sunnyvale – Santa Clara, CA				
Pollutant, POC	O3, 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)	non-EPA Federal					
Network affiliation(s)	CASTNET					
Instrument manufacturer and model	Thermo 49i					
Method code	47					
FRM/FEM/ARM/Other	FEM					
Collecting Agency	NPS					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	NPS					
Spatial scale	Regional					
Monitoring start date	11/7/1986					
Current sampling frequency	Continuous					
Required sampling frequency including exceptional events	N/A					
Sampling season	01/01-12/31					
Probe height (meters)	10					
Distance from supporting structure (meters)	N/A					
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					
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,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	North State of the					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.4					
Carbonyls (seconds)	SOUTH IS					
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						
, , , , , , , , , , , , , , , , , , ,						
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	8/26/2024					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						

Local Site Name	Salinas 3				
AQS ID			06-053-1003		
GPS Coordinates			36.694261, -121.623271		
Street Address		867 E	ast Laurel Dr., Salinas, CA	03005	
County		007 L	Monterey (TAMC)	33303	
positional and this said.			500		
Distance to roadways (meters)			The state of the s	1.)	
Traffic Count (AADT,year)		223	395 ADT (2020) (TAMC-Pe	eak)	
Ground Cover			Gravel		
Representative statistical area name (i.e. MSA, CBSA, other)	2.000000		MSA: Salinas, CA	T	
Pollutant, POC	CO, 1	NO2, 1	O3, 1	PM2.5, 3	PM2.5, 2
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	Primary	QA-Audit
Parameter Code	42101	42602	44201	88101	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	TEI 48	TECO 42i-TL	TEI 49iQ	MET ONE BAM-1020	R&P FRM-2000
Method code	054	074	047	170	143
FRM/FEM/ARM/Other	FRM	FRM	FEM	FEM	FRM
Collecting Agency	MBARD	MBARD	MBARD	MBARD	MBARD
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	Bay Area AQMD
Reporting Agency	MBARD	MBARD	MBARD	MBARD	Bay Area AQMD
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	12/31/1999	12/31/1999	12/31/1999	1/1/2009	11/1/2008
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	1:6
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	N/A
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	6	6	6	6	6.2
Distance from supporting structure (meters)	6	6	6	2.1	2.3
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A	N/A
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)	N/A	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	N/A
Distance to nearest tree drip line (meters)	N/A	N/A	N/A	N/A	N/A
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	1.8	1.8
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360 Degrees	360 Degrees	360 Degrees	360 Degrees	360 Degrees
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon	Teflon	Teflon	N/A	N/A
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	A0000000000000000000000000000000000000		a. and another reduction	and a second	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	4.1	4.6	3.7	N/A	N/A
Carbonyls (seconds)	SPREAS	543.25	2500/-0	Syntalestic as	SECONDO AS
Will there be changes within the next 18 months?	Yes	Yes	Yes	Yes	Yes
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	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Weekly	N/A
Frequency of one-point QC check for gaseous instruments	Weekly	Weekly	Daily	N/A	N/A
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	8/27/2024	8/27/2024	8/27/2024	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	02/06/2024 08/27/2024	02/06/2024 08/27/2024

Local Site Name	San Juan Bautista					
AQS ID		06-069-0004				
GPS Coordinates		36.84188, -121.533444				
Street Address		100 Nylund Drive, San Juan Bautista, CA. 95045				
P Tribinit & Better E E Bi		San Benito				
County		75m to Route 156				
Distance to roadways (meters)		CONTRACTOR AND CONTRACTOR SALES AND CONTRACTOR SALE				
Traffic Count (AADT,year)		61800 ADT (2020) (The Alameda & 156)				
Ground Cover		Grass				
Representative statistical area name (i.e. MSA, CBSA, other)		MSA: San Jose – Sunnyvale – Santa Clara, CA				
Pollutant, POC	PM10, 3					
Primary, QA-Audit, Supplementary, or N/A	Primary					
Parameter Code	81102					
Basic monitoring objective(s)	NAAQS					
Site type(s)	Population Exposure					
Monitor type(s)	SPM					
Network affiliation(s)	N/A					
Instrument manufacturer and model	MET ONE BAM-1020					
Method code	122					
FRM/FEM/ARM/Other	FEM					
Collecting Agency	MBARD					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	MBARD					
Spatial scale	Neighborhood					
Monitoring start date	4/1/2021					
Current sampling frequency	Continuous					
Required sampling frequency including exceptional events	N/A					
Sampling season	01/01-12/31					
Probe height (meters)	4.8					
Distance from supporting structure (meters)	2.5					
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					
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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	delidedo de					
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						
James						
Frequency of flow rate verification for automated PM analyzers	Weekly					
Frequency of one-point QC check for gaseous instruments	N/A					
Date of Annual performance evaluation conducted in the past calendar year for	N/A					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	02/05/2024					
PM monitors	08/30/2024					

Local Site Name			San Lorenzo Valley			
AQS ID		06-087-1005				
GPS Coordinates			37.060732, -122.083478			
Street Address			· · · · · · · · · · · · · · · · · · ·			
[125 (225 (235 (235 (235 (235 (235 (235 (2		7179 П	acienda Way, Felton, CA	35018		
County			Santa Cruz			
Distance to roadways (meters)		0.4707	320			
Traffic Count (AADT,year)		21/2/	ADT (2019) (Santa Cruz	County)		
Ground Cover			Gravel			
Representative statistical area name (i.e. MSA, CBSA, other)		MSA:	Santa Cruz – Watsonvil	le, CA		
Pollutant, POC	PM2.5, 3					
Primary, QA-Audit, Supplementary, or N/A	Primary					
Parameter Code	88101					
Basic monitoring objective(s)	NAAQS Comparison					
Site type(s)	Highest Concentration					
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	MBARD					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	MBARD					
Spatial scale	Neighborhood					
Monitoring start date	10/23/2014					
Current sampling frequency	Continuous					
Required sampling frequency including exceptional events	N/A					
Sampling season	01/01-12/31					
Probe height (meters)	4.3					
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					
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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Terzoraechi					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A			1		
Carbonyls (seconds)	\$155759 0					
Will there be changes within the next 18 months?	Yes					
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes					
Frequency of flow rate verification for manual PM samplers, including Pb samplers				1		
	147333					
Frequency of flow rate verification for automated PM analyzers	Weekly					
Frequency of one-point QC check for gaseous instruments	N/A					
Date of Annual performance evaluation conducted in the past calendar year for	N/A					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	02/07/2024					
PM monitors	08/28/2024			1		

Local Site Name Santa Cruz					
- 17 - 17 - 17 - 17 - 17 - 17 - 17 - 17			06-087-0007		
GPS Coordinates			36.98332, -121.98822		
Street Address		QAN Ros	stwick Lane, Santa Cruz, C	CA 95062	
County		900 D03	Santa Cruz	DA 93002	
Distance to roadways (meters)			120m		
		10.202	,000 - 100 -	· O - · · · · · · ·	
Traffic Count (AADT,year)		10,266	ADT (4/2017) (Santa Cruz	County)	
Ground Cover		140.4	Gravel, Grass		
Representative statistical area name (i.e. MSA, CBSA, other)	D-00 1		: Santa Cruz – Watsonvil	le, CA	
Pollutant, POC	O3, 1	PM2.5, 3			
Primary, QA-Audit, Supplementary, or N/A	Primary	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	TEI 49C	MET ONE BAM-1020			
Method code	047	170			
FRM/FEM/ARM/Other	FEM	FEM			
Collecting Agency	MBARD	MBARD			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A			
Reporting Agency	MBARD	MBARD			
Spatial scale	Neighborhood	Urban			
Monitoring start date	9/1/1996	1/1/2009			
Current sampling frequency	Continuous	Continuous			
Required sampling frequency including exceptional events	N/A	N/A			
Sampling season	01/01-12/31	01/01-12/31			
Probe height (meters)	4.8	4.6			
Distance from supporting structure (meters)	2	2			
Distance from obstructions on roof (meters)	N/A	N/A			
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)	10.7m	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,	Teflon	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	6.3	N/A			
Carbonyls (seconds)	50000	Approxitive as			
Will there be changes within the next 18 months?	Yes	Yes			
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	Weekly			
Frequency of one-point QC check for gaseous instruments	Daily	N/A			
Date of Annual performance evaluation conducted in the past calendar year for	8/28/2024	N/A			
gaseous parameters Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/07/2024			
PM monitors		08/28/2024		1	

Northern Sierra AQMD

	Chester 06-063-1007				
	00-003-1007				
	40 2000E 424 2279E				
40.30965, -121.22785					
	222 1st Ave, Chester 96020				
	Plumas				
	133 to CA-36				
	4,800 (2015)				
	Asphalt				
	None				
PM2.5, 4					
N/A					
88502					
Public Information					
Population Exposure					
non-EPA Federal					
N/A					
Met One BAM 1020					
731					
Other					
Northern Sierra AQMD					
N/A					
Northern Sierra AQMD					
Neighborhood					
3/1/2020					
Continuous					
N/A					
1-Jan - 31-Dec					
7.2					
>2					
No obstructions					
N/A					
No obstructions					
N/A					
>10					
N/A					
N/A					
360					
N/A					
N/A					
No					
No					
N/A					
Monthly					
N/A					
N/A					
900 kilo 900 0000					
02/13/24					
09/05/24					
	N/A 88502 Public Information Population Exposure non-EPA Federal N/A Met One BAM 1020 731 Other Northern Sierra AQMD N/A Northern Sierra AQMD Neighborhood 3/1/2020 Continuous N/A 1-Jan - 31-Dec 7.2 >2 No obstructions N/A No obstructions N/A No obstructions N/A				

Local Site Name:	1		Prace Valloyal itton Buildin	200		
AQS ID:		Grass Valley-Litton Building				
S STATE OF THE STA		06-057-0005				
GPS Coordinates:		39.23352, -121.05567				
Street Address:		200 Litton	Dr., Suite 320, Grass Va	illey, 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-Gra	ass Valley Micropolitan S	tatistical Area		
Pollutant, POC	Ozone, 1	PM2.5, 3				
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 T400	Met One BAM 1022		İ		
Method code	87	209		İ		
FRM/FEM/ARM/Other	FEM	FEM				
Collecting Agency	Northern Sierra	Northern Sierra				
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A				
Reporting Agency	Northern Sierra	Northern Sierra				
Spatial scale	Neighborhood	Neighborhood				
Monitoring start date	06/01/1993	12/6/2017				
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)	11.9	12.1				
Distance from supporting structure (meters)	3.8	4				
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)	270	270			<u> </u>	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon	N/A		+	<u> </u>	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	renon	IV/A				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.9	N/A			-	
Carbonyls (seconds)	10.0	IN/A		1		
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	N/A	N/A		+	+	
samplers						
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly				
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	7/30/2024	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for	NI/A	02/15/24		1	1	
Date of two seril-arithal flow rate addits conducted in the past calendar year for	N/A	02/15/24				

Local Site Name:		Portola
AQS ID:		06-063-1010
GPS Coordinates:		39.81336, -120.47069
SEPARE UNIT SEPTEMBER PROTECTION PROPERTY. SEPTEMBER SEP		SECT AND THE BECOMMENDED TO THE WASHINGTON WITH THE BECOME
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, 4	
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)	CSN supplemental	
Instrument manufacturer and model	Met One BAM 1022	
Method code	209	
FRM/FEM/ARM/Other	FEM	
Collecting Agency	Northern Sierra AQMD	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	
	Northern Sierra AQMD	
Reporting Agency Spatial scale		
	Neighborhood 10/1/2022	
Monitoring start date	27 250410C923=03C9=0=03.	
Current sampling frequency	Continuous	
Required sampling frequency including exceptional events	N/A	
Sampling season	1-Jan - 31-Dec	
Probe height (meters)	8.3	
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)	3	
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	
Carbonyls (seconds)		
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	N/A	
samplers		
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	N/A	
gaseous parameters		
Date of two semi-annual flow rate audits conducted in the past calendar year for	02/13/24	

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				
SECTION CASTANIA IN MATERIAL CONTRACTOR		Plumas				
County:		E. GOLDEN PRODUCT				
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, 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 1022					
Method code	209					
FRM/FEM/ARM/Other	FEM					
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	10/1/2022					
Current sampling frequency	Continuous					
Required sampling frequency including exceptional events	N/A					
Sampling season	1-Jan - 31-Dec					
Probe height (meters)	2.4					
Distance from supporting structure (meters)	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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	IN/A					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	IN/A					
Will there be changes within the next 18 months?	No					
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes					
	N/A					
Frequency of flow rate verification for manual PM samplers, including Pb	IN/A					
samplers Frague pay of flow rate varification for outsmated DM analyzara	Mandabi					
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	N/A					
gaseous parameters	00/40/04					
Date of two semi-annual flow rate audits conducted in the past calendar year for	02/13/24					
PM monitors	09/05/24					

Local Site Name:	ı	Truckee - Fire Station			
AQS ID:		06-057-1001			
GPS Coordinates:					
NAMES AND SAFETY PROPERTY OF THE SAFETY OF T		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 Micropolitan Statistical Area			
Pollutant, POC	PM2.5, 3				
Primary, QA-Audit, Supplementary, or N/A	Supplementary				
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 1022				
Method code	209				
FRM/FEM/ARM/Other	FEM				
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)	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				
Distance to flearest tree drip fine (frieters) Distance to furnace or incinerator flue (meters)	N/A				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A				
	360				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	N/A				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon) Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	NI/A				
THE PROPERTY OF THE PROPERTY O	N/A				
Carbonyls (seconds)	Na				
Will there be changes within the next 18 months?	No Yes				
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes				
Frequency of flow rate verification for manual PM samplers, including Pb	N/A				
samplers	N - 0 1-				
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	N/A				
gaseous parameters	222=22.5				
Date of two semi-annual flow rate audits conducted in the past calendar year for	an armon armon the contract				
PM monitors	10/18/24				

Northern Sonoma County APCD

Local Site Name		Clayardala			
STATEMENT STATEM	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,	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A				
Carbonyls (seconds)	SOCIAL PRESIDENT				
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	N/A				
samplers					
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	N/A				
gaseous parameters	Section day				
Date of two semi-annual flow rate audits conducted in the past calendar year for	AND ADDRESS OF THE AD				
PM monitors	11/26/24				

Local Site Name		Guerneville-Church and 1st			
AQS ID	Guerneville-Church and 1st 06-097-3002				
GPS Coordinates		38.50107, -122.99819			
WAR DE STATE PERSONNELLE CONTROL		ing which following the Annia property of N and			
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				
D-Wide York Delta March Control of the State Contro					
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,	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A				
Carbonyls (seconds)	patasurativuts				
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	N/A				
samplers					
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	N/A				
gaseous parameters	1.051				
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/22/24				
PM monitors	11/26/24				

Local Site Name:		Healdsburg - Matheson				
STATEMENT TO THE STATEMENT OF THE STATEM						
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	ARB					
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 flearest tree drip line (freters) 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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	patasuar etinistis.					
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	N/A					
samplers						
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	N/A					
gaseous parameters	537150 '3					
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/22/24					
PM monitors	11/26/24					

Placer County APCD

Local Site Name:			Auburn - Atwood Rd		
AQS ID:			06-061-0003		
GPS Coordinates:			38.93568, -121.09959		
Street Address:		116	45 Atwood Rd., Auburn,	95603	
County:		110-	Placer	0000	
			446 to CA-49		
Distance to roadways (meters):			9-911 A 8-1-1 (1010) - 1-2-1		
Traffic Count (AADT,year)			39,000 (2015)		
Ground Cover:			Asphalt	and the same of th	
Representative statistical area name (i.e. MSA, CBSA, other):			ille-Arden-Arcade Metrop	oolitan 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 T400	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		1	
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		1	
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec		1	
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		1	
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		1	
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		 	<u> </u>
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon	N/A		†	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	1011011	IN/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.9	N/A		†	
Carbonyls (seconds)	17.0	IN/X			
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		1	<u> </u>
Frequency of flow rate verification for manual PM samplers, including Pb	N/A	N/A		+	
samplers	IW/A	IW/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	8/27/2024	N/A N/A		1	
gaseous parameters		0.000			
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/07/24			
PM monitors		08/27/24		<u> </u>	

Local Site Name:			Colfax-City Hall			
AQS ID:			06-061-0004			
A Author China, Tales, Printer						
GPS Coordinates:		39.09979, -120.95391				
Street Address:		3	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	0 (CA-174); 27,600 (I-80) (2015)			
Ground Cover:			Paved			
Representative statistical area name (i.e. MSA, CBSA, other):		Sacramento-Rosev	ville-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 flearest tree drip line (freters) 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,	Teflon	N/A				
Carbonyls (e.g. Pyrex, stainless steel, Teflon) Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.8	N/A				
	14.0	IN/A				
Carbonyls (seconds)	Na	NI.	 			
Will there be changes within the next 18 months?	No N/A	No No				
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	No N/A	 			
Frequency of flow rate verification for manual PM samplers, including Pb	N/A	N/A				
samplers	A1/A	MA 4l-1-				
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	8/28/2024	N/A				
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/07/24				
PM monitors		08/28/24				

Local Site Name:	ı		Lincoln-Mooro Boad		
Section Assets - Contract of Administration (Section Contract of C	Lincoln-Moore Road				
AQS ID:	06-061-2003				
GPS Coordinates:	38.86794, -121.33835				
Street Address:		288	5 Moore Road, Lincoln, 9	5648	
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-Rosevi	lle-Arden-Arcade Metropo	olitan 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		İ	
Method code	87	731			
FRM/FEM/ARM/Other	FEM	Other			
Collecting Agency	Placer County	Placer County	2		
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	2		+
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360			+
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon	N/A			+
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	renon	IV/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	12.6	N/A			+
Carbonyls (seconds)	12.0	IW/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	N/A	N/A			+
samplers	IN/A	1977			
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	8/27/2024	N/A			
gaseous parameters	200 TO TO TO TO TO TO TO TO TO TO TO TO TO	tumana)			
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/14/24			
PM monitors	NORTH 250 45				

ozone, 1 Primary 44201	221 Fa 22 10,800 Sacramento-Rosevi PM2.5, 3	Tahoe City-Fairway Drive 06-061-1004 39.16602, -120.14883 airway Drive, Tahoe City, Placer 80 to CA- 89; 377 to CA-2 (CA- 89); 11,800 (CA-28) Dirt Ile-Arden-Arcade Metropo	96145 28 (2015)	
Primary	20 10,800 Sacramento-Rosevi PM2.5, 3	39.16602, -120.14883 airway Drive, Tahoe City, Placer 80 to CA- 89; 377 to CA-2 (CA- 89); 11,800 (CA-28) Dirt	28 (2015)	
Primary	20 10,800 Sacramento-Rosevi PM2.5, 3	Placer 80 to CA- 89; 377 to CA-2 (CA- 89); 11,800 (CA-28) Dirt	28 (2015)	
Primary	20 10,800 Sacramento-Rosevi PM2.5, 3	Placer 80 to CA- 89; 377 to CA-2 (CA- 89); 11,800 (CA-28) Dirt	28 (2015)	
Primary	10,800 Sacramento-Rosevi PM2.5, 3	80 to CA- 89; 377 to CA-2 (CA- 89); 11,800 (CA-28) Dirt	(2015)	
Primary	10,800 Sacramento-Rosevi PM2.5, 3	(CA- 89); 11,800 (CA-28) Dirt	(2015)	
Primary	Sacramento-Rosevi PM2.5, 3	Dirt		
Primary	PM2.5, 3	2000000	olitan Statistical Area	
Primary	PM2.5, 3	lle-Arden-Arcade Metropo	olitan Statistical Area	
Primary				
44201	Primary			
	88502			
NAAQS	Public Information			
l Background	General Background			
SLAMS	Other			
N/A	N/A			
ne API T400	Met One BAM1020			
87	731			
FEM	Other			
er County				
	N/A		C (-	
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14.9	IN/Z			
No	Ma			+
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IN/A	IN/A			
N/A	Monthly			
William Management				
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	tuttiand)			
N/A	03/21/24			
and State at	08/28/24]
	Al Background SLAMS N/A /ne API T400 87 FEM cer County N/A CARB Urban /01/2013 Intinuous N/A In - 31-Dec 3.6 1.2 Ibstructions N/A Structions N/A >10 N/A >10 N/A N/A 360 Teflon 12.9 No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Background General Background SLAMS Other N/A	Background General Background SLAMS Other N/A	Blackground General Background SLAMS Other

Local Site Name:			Roseville-N Sunrise Ave		1		
AQS ID:		06-061-0006					
GPS Coordinates:	38.74643, -121.26498						
Street Address:		1E1 N	N Sunrise Ave, Roseville, 9	5661			
Northern the reconstitution (set of the reconstitution) and the reconstitution (set of the reconstitution) are reconstitution (set of the reconstitution) and the reconstitution (set of the reconstitution) are r		1511	ne doctrie centre ozobo sali se oznacovništi ovi delovinosovova insercie sociali ele-	10001			
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-Rosev	ille-Arden-Arcade Metropol	litan Statistical Area			
Pollutant, POC	NO2, 1	Ozone, 1	PM10, 3	PM2.5, 3			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	Primary			
Parameter Code	42602	44201	81102	88101			
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS			
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	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	01/13/1993	01/13/1993	4/1/2015	12/1/2020			
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)	8.5	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,	Teflon	Teflon	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		e interestante	intercepts of	ingerinari			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	20.0	15.0	N/A	N/A			
Carbonyls (seconds)	TP-17001/510	HOLITHOUTH	instantal ci	CHARTINE DI			
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			
Transport of the control of the cont		1377	9 90203				
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	5/2/2024	5/2/2024	N/A	N/A			
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	05/02/24	05/02/24			
PM monitors			10/17/24	10/17/24			

Shasta County AQMD

Local Site Name			Lassen Volcanic NP		ĺ	
AQS ID	06-089-3003					
GPS Coordinates	40.539991, -121.576462					
Street Address	Manzanita Lake RS, Lassen Volcanic NP					
		Shasta				
County						
Distance to roadways (meters)			778 to CA-44			
Traffic Count (AADT,year)			1,150 (2015)			
Ground Cover			Dirt	802		
Representative statistical area name (i.e. MSA, CBSA, other)		Reddir	ng 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		1			
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A		1			
3 ()						
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360					
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	or seemboustations					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	1500 ST-150 - 15					
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	6.5					
, and the same same same same same same same sam	2.2					
Frequency of flow rate verification for automated PM analyzers	N/A	I	Notes:			
Frequency of one-point QC check for gaseous instruments	Daily	*		eight unknown. Waiver (F	PA) was granted in 2014.	
Date of Annual performance evaluation conducted in the past calendar year for	2/20/2024				/ J	
gaseous parameters	_,,					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors	INCEA					
1 W Hollico						

Local Site Name:		P	edding - Health Departme	nt		
AQS ID:	06-089-0004					
· · ·						
GPS Coordinates:		2000	40.55013, -122.38092	26001		
Street Address:		2630	Breslauer Way, Redding, 9	96001		
County:			Shasta			
Distance to roadways (meters):			530 to CA-273			
Traffic Count (AADT,year)			19,200 (2015)			
Ground Cover:			Asphalt	7.50		
Representative statistical area name (i.e. MSA, CBSA, other):			ing Metropolitan Statistical			
Pollutant, POC	Ozone, 1	PM10, 2	PM2.5, 1	PM2.5, 3		
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Supplementary	Primary		
Parameter Code	44201	81102	88101	88101		
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS		
Site type(s)	Population Exposure; Highest Concentration	Highest Concentration	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	Sierra Andersen 1200	R & P 2000	Met One BAM 1022		
Method code	87	63	143	209		
FRM/FEM/ARM/Other	FEM	FRM	FRM	FEM		
Collecting Agency	Shasta County	Shasta County	Shasta County	Shasta County		
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	ARB	ARB	N/A		
Reporting Agency	Shasta County	ARB	ARB	Shasta County		
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood		
Monitoring start date	05/01/1990	01/01/1988	02/19/1998	2/23/2019		
Current sampling frequency	Continuous	1:6	1:12	Continuous		
Required sampling frequency including exceptional events	N/A	1:6	1:12	N/A		
Sampling season	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec	1-Jan - 31-Dec		
Probe height (meters)	9.6	8.3	8.7	9		
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	N/A	>2		
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,	Teflon, Pyrex	N/A	N/A	N/A		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Borosilicate	AND CONTRACT CO.		Spould page - val		
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.3	N/A	N/A	N/A		
Carbonyls (seconds)						
Will there be changes within the next 18 months?	No	Yes	No	No		
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	N/A	Yes	No		
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	Quarterly	Monthly	Monthly		
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	2/22/2024	N/A	N/A	N/A		
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/22/24	02/22/24	02/22/24		
	,,,,,,,					
PM monitors		08/19/24	08/19/24	08/19/24		

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):		Redo	ing 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 400					
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					
	N/A					
Distance to furnace or incinerator flue (meters)						
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,	Teflon, Pyrex					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Borosilicate					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.3					
Carbonyls (seconds)	870.5 TO					
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					
. 1943	33073					
Frequency of flow rate verification for automated PM analyzers	N/A		Notes:			
Frequency of one-point QC check for gaseous instruments	weekly		* Cell tower is not conside	red an obstruction. Distan	ce to probe is 6m.	
Date of Annual performance evaluation conducted in the past calendar year for	2/22/2024		The state of the s		40 - 400 at 1 - 400 at	
gaseous parameters	a mendemotion da tradegrafi de					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						
			L			

Siskiyou County APCD

Local Site Name	<u> </u>		Yreka					
Local Site Name								
AQS ID			06-093-2001					
GPS Coordinates		F20	41.72679, -122.63359	007				
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)		16,5	500 (I-5); 8,700 (CA-3) (20	015)				
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) Height above probe for obstructions not on roof (meters)	No obstructions N/A	No obstructions N/A			+			
Distance to nearest tree drip line (meters)	>10	>10			+			
Distance to flearest tree drip line (freters) 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)	6.0	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	Biweekly						
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly			<u> </u>			
Frequency of one-point QC check for gaseous instruments	Daily	N/A						
Date of Annual performance evaluation conducted in the past calendar year for	2/23/2024	N/A						
gaseous parameters		1						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/23/24						
PM monitors		08/20/24						

Tehama County APCD

Local Site Name			Red Bluff - Walnut Street		Ī			
AQS ID		06-103-0007						
GPS Coordinates			40.17088, -122.25556					
Street Address		1924	W.	2000				
Control of the Control of the Control		1634	Walnut Street, Red Bluff, 9	96000				
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 E	Bluff Micropolitan Statistica	l Area				
Pollutant, POC	Ozone, 1	PM10, 3	PM2.5, 3					
Primary, QA-Audit, Supplementary, or N/A	N/A	Primary	Primary					
Parameter Code	44201	85101	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	Met One BAM1020	Met One BAM1022					
Method code	87	122	209					
FRM/FEM/ARM/Other	FEM	FEM	FEM					
Collecting Agency	Tehama County APCD	Tehama County APCD	Tehama County APCD					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A					
Reporting Agency	CARB	CARB	CARB					
Spatial scale	Neighborhood	Neighborhood	Neighborhood					
Monitoring start date	1/29/2015	4/11/2023	4/14/2023					
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)	6.9	6.4	6.2					
Distance from supporting structure (meters)	2.4	2.7	>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)	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					
Distance between monitors running a QA conocation requirement (meters)	IV/A	10//	IN/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,	Pyrex, borosilicate glass	N/A	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	The second secon	- AA 999-00021 - 00-	Approprietation out					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.6	N/A	N/A					
Carbonyls (seconds)	202226 - 52	2200002000 KC	4: NEXAS 40					
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					
	properties and the		entropies in					
Frequency of flow rate verification for automated PM analyzers	N/A	Monthly	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	2/21/2024	N/A	N/A					
gaseous parameters	communication and the second	and the second of	Pr. Colonier					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	02/21/24	02/21/24					
PM monitors		08/19/24	08/19/24					
		construction of the second construction of the s	A SECULIAR DE CAMBRICADO CONTRA DE CAMBRICADO CONTR					

Local Site Name		Tuscan Butte (seasonal)					
AQS ID	06-103-0004						
GPS Coordinates	40.26207, -122.09265						
	Fire Lookout Atop Tuscan Butte, Tuscan Butte, 95080						
Street Address		1 1					
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	CARB						
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A						
Reporting Agency	CARB						
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 flearest tree drip line (meters)	N/A (No trees)						
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	 					
Distance between monitors failining a QA collocation requirement (meters)	IN/A						
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360						
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	3 2020						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.4						
Carbonyls (seconds)	A M San						
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	<u> </u>	 					
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	5/7/2024						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A						
PM monitors							

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					
C43400F1035 - M0324300F103 - T424540003	Tuolumne					
County:						
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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					
(maiolo)	33					
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360					
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	22 - 1000-10 40 1000-10 E					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	13.8					
Carbonyls (seconds)						
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						
	RECOVERED D					
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	2/22/2024					
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A					
PM monitors						

Ventura County APCD

Local Site Name:			El Rio-Rio Mesa School #2)	
AQS ID:			06-111-3001	-	
GPS Coordinates:			34.25239, -119.14318		
		=		20	
Street Address:		54	45 Central Av, El Rio, 9303	JU	
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	d Oaks-Ventura Metropolita	an 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)	N/A	N/A	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 flearest tree drip line (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 N/A	N/A N/A	
Distance between monitors fullfilling a QA collocation requirement (meters)	IN/A	IN/A	IN/A	IN/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,		Teflon, borosilicate glass	10000000 00000	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	a maranasa. Mara a pandatahannahan 🗸 dalah II.		4: 300000 W	* 25 25 35 35 35 35 35 35 35 35 35 35 35 35 35	
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	17.0	15.3	N/A	N/A	
Carbonyls (seconds)	10000 200				
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	
		43/23	1372.1	1307 6	
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	11/13/2024	11/13/2024	N/A	N/A	
gaseous parameters					
(gascous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	04/16/24	04/16/24	

Local Site Name:			Ojai - East Ojai Ave				
AQS ID:	06-111-1004						
GPS Coordinates:		34.44806, -119.23130					
		11					
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):			d Oaks-Ventura Metropol	itan 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					
Distance Services Horniters running a Q, Coolesation requirement (meters)	1077	1007					
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360					
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon, borosilicate glass	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	, , , , , , , , , , , , , , , , , , ,	200000 E					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	15.4	N/A					
Carbonyls (seconds)	TOTAL	1					
Will there be changes within the next 18 months?	No	No	2		 		
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					
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	11/6/2024	N/A	·				
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	04/17/24					
PM monitors		11/06/24					

Local Site Name:			Piru - Pacific			
AQS ID:	06-111-0009					
GPS Coordinates:	34.40428, -118.80998					
		39		240		
Street Address:	3301 Pacific Ave, Piru, 93040 Ventura					
County:						
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):			d Oaks-Ventura Metropoli	tan 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				
Distance between monitors running a way control requirement (meters)	13/73	1977				
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360				
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon, borosilicate glass	N/A		1		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)		85/3666 E				
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	14.9	N/A		1		
Carbonyls (seconds)	1.1.0	1.377 1				
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	100000000000000000000000000000000000000	N/A			<u> </u>	
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	11/5/2024	N/A				
gaseous parameters						
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	04/17/24				
PM monitors		11/05/24				

Local Site Name:			Simi Valley - Cochran Stree	x †						
AQS ID:	06-111-2002									
W .	34.27632, -118.68369									
GPS Coordinates:		5.400		2000						
Street Address:	5400 Cochran St, Simi Valley, 93063									
County:	Ventura 750 to 2 to 4 to 2									
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)	N/A	N/A	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,	SOCIOLOGY.	Teflon, borosilicate glass	N/A	N/A	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	Tellott, botosilicate glass	renon, borosilicate glass	IN/A	19/74	IN/A					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	16.9	15.3	N/A	N/A	N/A					
Carbonyls (seconds)	8.01	10.3	IN/A	IN/A	IN/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	N/A					
Frequency of now rate verification for manual PN samplers, including Pb samplers	IN/A	IN/A	IN/A	N/A	IN/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	11/7/2024	11/7/2024	N/A	N/A	N/A					
gaseous parameters	2558-515	180 50-40			S 342 (\$1100x) - 1					
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	04/16/24	04/16/24	04/16/24					
PM monitors			11/07/24	11/07/24	11/07/24					

Local Site Name:		The	ousand Oaks-Moorpark R	Road					
AQS ID:	06-111-0007								
GPS Coordinates:			34.21017, -118.87051						
Street Address:		2323 Ma	orpark Rd, Thousand Oa	kc 01360					
AND AND AND AND AND AND AND AND AND AND		2323 IVIO	Ventura	KS, 91300					
County:			1,622 to CA-23						
Distance to roadways (meters):	2 € 2000 - 20 - 10 - 2000 - 5 - 0 POND								
Traffic Count (AADT,year)	112,000 (2015)								
Ground Cover:	Asphalt Oxnard-Thousand Oaks-Ventura Metropolitan Statistical Area								
Representative statistical area name (i.e. MSA, CBSA, other):			d Oaks-Ventura Metropoli	tan 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			1				
Distance to furnace or incinerator flue (meters)	N/A	N/A			+				
Distance between monitors fulfilling a QA collocation requirement (meters)	N/A	N/A							
3 									
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360	360							
Probe material for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	Teflon, borosilicate glass	N/A							
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	a maamaanan a telegotatasiiliili J othilli	22552000 C							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	15.4	N/A							
Carbonyls (seconds)									
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		1					
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A		1					
, and the same same same same same same same sam	RELIMIC D	3.37.2 3							
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	11/12/2024	N/A							
gaseous parameters									
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	04/16/24							
PM monitors		11/12/24							

Yolo-Solano AQMD

Local Site Name:		Vacaville-Merchant Street						
AQS ID:		06-095-3001						
GPS Coordinates:		38.35140, -121.99410						
		ž						
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,	N/A							
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	80-2045 H							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A							
Carbonyls (seconds)								
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								
	,							
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	N/A							
gaseous parameters								
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/09/24							
PM monitors	10/16/24							

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 T400							
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,	Teflon							
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	5 Z-65Z-61							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.9	 						
Carbonyls (seconds)	5.0							
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	 						
	10.5717.0							
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	5/9/2024							
gaseous parameters								
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A							
PM monitors								

Local Site Name:		West Sacramento-15th Street							
Local Site Name:		THE STATE OF THE S							
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,	N/A								
Carbonyls (e.g. Pyrex, stainless steel, Teflon)									
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A								
Carbonyls (seconds)	14/384								
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									
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	N/A								
gaseous parameters									
Date of two semi-annual flow rate audits conducted in the past calendar year for	05/08/24								
PM monitors	10/16/24								

Local Site Name:			Woodland-Gibson Road						
AQS ID:	06-113-1003								
	38.66121, -121.73269								
GPS Coordinates:		14000		05770					
Street Address:		41929	E Gibson Rd, Woodland,	95//6					
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-Rosev	ille-Arden-Arcade Metropo	litan Statistical Area					
Pollutant, POC	Ozone, 1	PM10, 1	PM2.5, 3						
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Supplementary						
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 T400	GMW Model 1200	Met One BAM 1020						
Method code	87	63	170						
FRM/FEM/ARM/Other	FEM	FRM	FEM						
Collecting Agency	Yolo-Solano AQMD	Yolo-Solano AQMD	Yolo-Solano AQMD						
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	05/27/1998	10/26/1998	12/12/2022						
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)	3.6	2.2	4.8						
Distance from supporting structure (meters)	1	>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		1				
Distance from obstructions not on roof (meters)	No obstructions	No obstructions	No obstructions		1				
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 flearest tree drip line (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 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,	Teflon	N/A	N/A						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	i ellott	IN/ <i>t</i> \	IN/A						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.5	N/A	N/A						
Carbonyls (seconds)	0.5	IN/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	N/A						
			1000000						
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	5/8/2024	N/A	N/A						
gaseous parameters									
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	05/08/24	05/08/24						
PM monitors		10/16/24	10/16/24						

Local Site Name			Davis-UCD Campus						
Local Site Name:			06-113-0004						
AQS ID:									
GPS Coordinates:			38.53455, -121.77340	2					
Street Address:			Campbell Rd, Davis, 95616	<u> </u>					
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-Rosev	ille-Arden-Arcade Metropo	litan 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	CARB	CARB	CARB						
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A						
Reporting Agency	CARB	CARB	CARB						
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,	Teflon	Teflon	N/A						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	60 States and Attached	eo descripcionió	to amount to						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.4	10.2	N/A						
Carbonyls (seconds)									
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						
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	8/6/2024	8/6/2024	N/A						
gaseous parameters									
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	02/09/24						
PM monitors			08/06/24						

Appendix B

Ozone Seasonal Monitoring Waiver Renewal Request

Ozone Seasonal Monitoring Sites 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 five ozone monitors that only operate seasonally during the months of April through October. None of these monitors have ever operated year-round. 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 seasonal ozone monitors. The following analyses provide the justification needed for the U.S. EPA to continue to grant a waiver for the seasonal monitoring sites, in accordance with 40 CFR Part 58.12 (a)(3). The ozone monitors included in the analyses are listed in Table 1 and shown in Figure 1.

TABLE 1
SEASONAL OZONE MONITORS

Site Name	AQS ID	County	Start Year	Current Operating Season	Preliminary 2024 Design Value (ppm) ¹
Echo Summit ²	060170012	El Dorado	2000	A pril-October	0.066
Cool	060170020	El Dorado	1996	A pril-October	0.072
Jerseydale	060430006	Mariposa	1995	A pril-October	0.068
Sutter Buttes	061010004	Sutter	1993	A pril-October	0.068
Tuscan Butte	061030004	Tehama	1995	A pril-October	0.069

¹The federal 8-hour design value is based on the three-year average of the annual 4th high. Ozone data obtained on April 25, 2025, from CARB's AQMIS database: https://www.arb.ca.gov/agmis2/agmis2.php

² Echo Summit site did not operate in April from 2010 through 2024, and September and October of 2021.

CARB SEASONAL OZONE MONITORING SITES Elevated Site Map Tuscan Buttes Cool 473m 562m Miles Miles 0 0.5 1 **Sutter Buttes** O 645m Sacramento **Echo Summit** Miles Jerseydale 2250m 0 1 2 Miles 1146m Miles 0 0.5 1 2 Legend Site Air Basin Miles County

FIGURE 1

Appendix B

Ozone concentration data used in the analyses were retrieved from CARB's Air Quality and Meteorological Information System (AQMIS) database in April 2025. Average of the monthly maximum 8-hour ozone concentrations for each seasonal site covering a 5-year period from 2020 to 2024 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. 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 11 percent higher than the averages of the preceding months (April and May) and 9 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 15 percent, which is 2 times higher than those between the months of April to May (7.4 percent). In addition, on average, the concentrations dropped 10 percent from September to October, and 26 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 Design values 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. A few of the fourth-highest concentrations across all of the seasonal sites occurred in May (Tuscan Butte, 2021; Echo Summit, 2023) or October (Tuscan Butte, 2022–2023).

The Sutter Buttes and the Tuscan Butte sites present unique situations. Sutter Buttes and Tuscan Butte are high elevation sites, located on isolated hilltops (refer to Figures 7 and 8). 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 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 standard and a few exceedances 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, Sutter Buttes, and Tuscan Butte locations. For instance, all five 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, 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

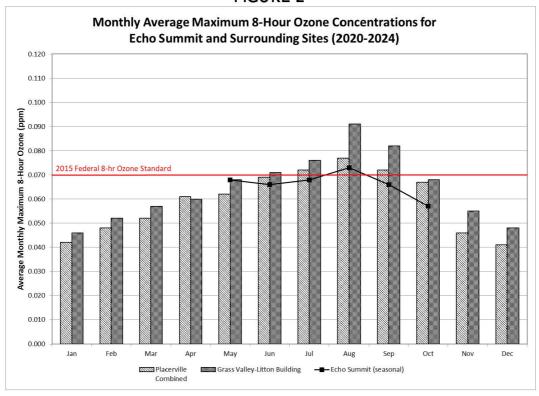


FIGURE 3

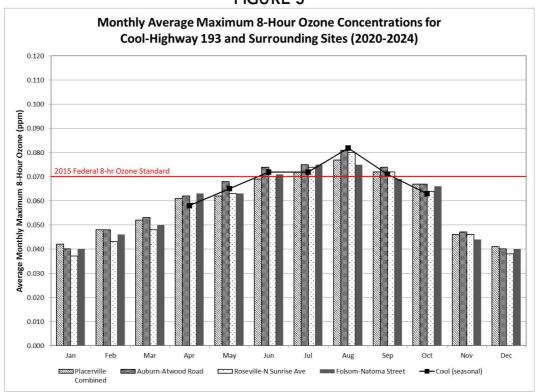


FIGURE 4

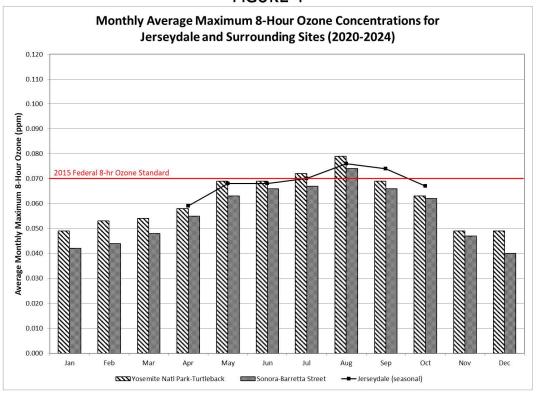
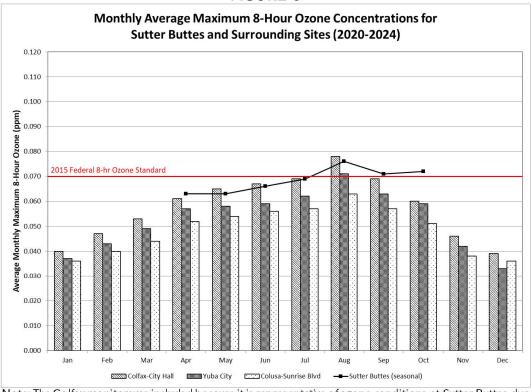


FIGURE 5



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

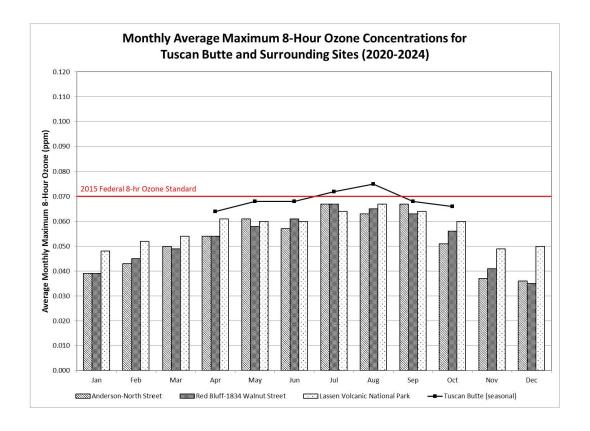


TABLE 2
MONTHLY MAXIMUM 8-HOUR OZONE CONCENTRATIONS AT SEASONAL AND SURROUNDING MONITORING SITES
(Ozone in parts per million)

Month & Year	Anderson -North Street	Auburn- Atwood Road	Colfax -City Hall	Colusa- Sunrise Blvd		Echo Summit	Folsom- Natoma Street	Grass Valley- Litton Building		Lassen Volcanic Natl Park	Placerville	Red Bluff- Walnut Street	Roseville- N Sunrise Ave	Sonora- Barretta Street	Sutter Buttes	Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '20	0.034	0.037	0.037	0.034				0.042	12.00	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	3	72-2	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	1000	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	999	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		120559	222	0.054	200	0.046	0.052	0.050	0.048	0.046	2220	V2027/	0.044	0.046
DEC '20	0.034	0.043	0.040	0.029	2002			0.042		0.048	0.044	0.039	0.032	0.040	52.5		0.045	0.032
JAN '21	0.040	0.042	0.044	0.031			0.039	0.042		0.045	0.043	0.043	0.035	0.043			0.046	0.036
FEB '21	0.042	0.050	0.048	0.037			0.046	0.048		0.056	0.049	0.047	0.039	0.043			0.053	0.041
MAR '21	0.048	0.059	0.056	0.042			0.057	0.056	20202	0.059	0.058	0.053	0.050	0.050			0.051	0.050
APR '21	0.054	0.068	0.065	0.047	0.058		0.066	HHH	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			0.069	0.091	0.079	0.089	0.076	0.080	0.081	0.070	0.067		0.078	0.076	0.063
AUG '21	0.065	0.094	0.083	7-22	0.091	0.085	0.096	0.092	0.090	0.077	0.076	0.076	0.090	0.081	2220	0.084	0.086	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	222	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			111	0.049	1999	0.046	0.038	0.036	0.035	0.037			0.047	0.034
DEC '21	0.038	0.041	0.038	0.037	29.93			0.050	(4-4)	0.052	0.042	0.039	0.037	0.040	2123 2133		0.053	0.035

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	2	Lassen Volcanic Natl Park	Placerville	Red Bluff- Walnut Street	Roseville-N Sunrise Ave	Sonora- Barretta Street	Sutter Buttes	Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '22	0.042	0.044	0.043	0.038	1000	999	0.040	0.049	8200	0.052	0.046	0.039	0.035	0.039	124457	2000	0.050	0.038
FEB '22	0.044	0.052	0.051	0.042	8000	999	0.048	0.055	1900	0.052	0.052	0.044	0.043	0.045	NEARCH .	7 <u>000</u> 000	0.054	0.046
MAR '22	0.050	0.056	0.057	0.046	55%	5550	0.054	0.057	8555	0.055	0.052	0.050	0.046	0.045	157731		0.056	0.052
APR '22	0.052	0.062	0.060	0.052	0.058		0.063	0.060	0.062	0.058	0.056	0.054	0.060	0.053	0.066	0.061	0.058	0.059
MAY '22	0.052	0.070	0.064	0.050	0.066	0.066	0.069	0.063	0.084	0.056	0.056	0.053	0.064	0.060	0.062	0.062	0.081	0.057
JUN '22	55.70	0.071	0.066	0.062	0.072	0.059	0.066	0.070	0.068	0.061	(5,5,5)	0.066	0.069	0.061	0.068	0.070	0.061	0.058
JUL '22	0.069	0.076	0.070	0.057	0.076	0.072	0.068	0.073	05.55	0.058	0.062	0.068	0.075	0.056	0.069	0.073	0.070	5558
AUG '22	0.061	0.080	0.071	0.061	0.079	0.061	0.074	0.076	0.066	0.058	0.066	0.066	0.075	0.061	0.076	0.069	0.066	0.064
SEP '22	0.069	0.075	0.069	0.052	0.072	0.064	0.072	0.078	0.086	0.065	0.079	0.070	0.067	1 	0.066	0.069	0.070	0.057
OCT '22	5-5-2	0.070	0.054	0.056	0.066	0.055	0.067	0.071	0.066	0.056	0.061	0.065	0.063		0.071	0.070	0.063	0.055
NOV '22	0.038	0.046	0.042	0.035			0.049	0.057		0.050	0.040	0.041	0.041				0.049	0.034
DEC '22		0.042	0.042	0.035	1		0.043	0.049			0.039	0.035	0.044			ï	0.047	0.025
JAN '23	000	0.042	0.039	0.040	1020	999	0.043	0.049	1503	0.047	0.041	0.040	0.043	1400	3 <u>24445</u> 0	1200	0.050	0.038
FEB '23	0.042	0.050	0.043	0.042	7222	222	0.049	0.050		0.050	0.044	0.044	0.046	7222	(222)	1221	0.052	0.041
MAR '23	0.050	0.044	0.046	0.047			0.047	0.055		0.056	0.048	0.050	0.049		((2000)	0.054	0.046
APR '23	0.061	0.057	0.065	0.064	0.060		0.071	0.069		0.061	0.067	0.061	0.067	0.055	0.066	0.071	0.057	0.061
MAY '23	0.063	0.056	0.064	0.059	0.066	999	0.067	STRACT.	0.055	0.057	0.063	0.063	0.074	0.064	0.066	0.067	0.063	0.057
JUN '23	0.060	0.064	0.064	0.060	0.072	0.065	0.073	55.00	0.053	0.055	0.064	0.058	0.081	0.065	0.064	0.064	0.062	0.057
JUL '23	0.075	0.067	0.067	0.060	0.075	0.067	0.073	55.00 m	0.061	0.064	5.77.	0.072	0.083	0.074	0.072	0.075	0.069	0.062
AUG '23	0.064	0.066	0.075	(mmm)	0.074	0.076	0.069	(5.5.5)	0.067	0.059	0.075	0.064	0.077	0.074	0.068	0.068	0.074	0.067
SEP '23	0.062	0.056	0.061	(mmm)	0.062	0.061	0.062		0.057	0.055	0.064	0.058	0.065	0.059	0.061	0.061	0.062	0.057
OCT '23	5570	0.057	0.057	150.000	0.065	0.057	0.060	55.00E	0.053	0.057	0.063	0.051	0.069	0.058	0.065	0.069	0.058	0.060
NOV '23	HHE	0.043	0.046						2	0.054	0.048	0.040	0.056	0.054			0.054	0.051
DEC '23		0.034	0.036	-	1		0.037		8	0.048	0.040	0.033	0.037	0.038			0.049	0.036

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		Colusa- Sunrise Blvd	Cool	Echo Summit	Folsom- Natoma Street	Grass Valley- Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville	Red Bluff- Walnut Street	Roseville-N Sunrise Ave	LBarretti	Suffer	Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '24		0.036	0.039			(:	0.038			0.050	0.046	0.037	0.041	0.047			0.052	0.040
FEB '24		0.036	0.042			:	0.039			0.051	0.046	0.041	0.042	0.041	===		0.054	0.042
MAR '24		0.048	0.052				0.040			0.053	0.051	0.039	0.048	0.047	#		0.051	0.048
APR '24		0.067	0.059		0.063		0.052	222	0.055	0.065	0.064	0.049	0.064	0.053	0.069	0.065	0.063	0.059
MAY '24		0.068	0.057	0.058	0.060	0.070	0.048		0.056	0.061	0.057	0.043	0.063	0.060	0.060	0.064	0.061	0.056
JUN '24		0.082	0.069	0.057	0.074	0.075	0.066		0.067	0.070	0.070	0.054	0.078	0.071	0.072	0.072	0.080	0.059
JUL '24	gw	0.079	0.067	0.062	0.072	0.069	0.067	222	0.062		0.074	0.053	0.078	0.075	0.075	0.068	0.079	0.064
AUG '24	2	0.076	0.067	0.060	0.069	0.066	0.061	0.072	0.059		0.067	0.053	0.078	0.070	0.070	0.068	0.068	0.065
SEP '24		0.070	0.065	0.062	0.065	0.064	0.056	0.066	0.071	0.055	0.065	0.053	0.075	0.068	0.066	0.061	0.062	0.061
OCT '24	944	0.071	0.056	0.051	0.061	0.057	552	0.063	0.072	1000	0.062	0.045	0.059	0.061	0.066	0.059	0.058	0.059
NOV '24	Gene	0.056	0.053	0.046	0020	10008	0.039	0.058	Cours	(COLUMN)	0.051	0.037	0.050	0.051	<u>vaav</u>	GVA	0.051	0.045
DEC '24	5.55	0.041	0.040	0.042	55%	<u> </u>	0.041	0.049	95555	0.051	0.038	0.030	0.039	0.042	nones.	a.v.	0.051	0.039

Notes:

- 1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
- 2. Highlighted cells indicate the maximum 8-hour average concentration for each site during each calendar year.
- 3. Folsom-Natoma Street monitoring site was shut down on 7/22/2019 for renovations and operation resumed on 12/10/2020; Anderson-North Street monitoring site dosed on 10/4/2023.
- 4. Data for the Placerville-Gold Nugget Way and Placerville-Canal Street monitoring sites were merged to make a continuous Placerville record for the 5-year period.
- 5. Months with no data or less than 75% data completeness are denoted by "---".
- 6. AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Áuburn- 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); Placerville-Canal Street (060172004); 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)

		(02011	e iii pai to	per minior	i, scasonai	i sites iligili	ignical			
	2020 4 th Highest	Date	2021 4 th Highest	Date	2022 4 th Highest	Date	2023 4 th Highest	Date	2024 4 th Highest	Date
Anderson-North Street	0.066	9/15/2020	0.063	8/25/2021	0.066	7/25/2022	0.064	8/10/2023		()
Auburn-Atwood Road	0.083	9/1/2020	0.085	9/24/2021	0.075	7/23/2022	0.064	6/30/2023	0.079	7/23/2024
Colfax-City Hall	0.080	8/23/2020	0.076	8/24/2021	0.070	7/29/2022	0.067	7/11/2023	0.067	8/29/2024
Colusa-Sunrise Blvd	0.052	9/5/2020	0.061	8/30/2021	0.057	8/18/2022	0.059	5/18/2023	0.059	7/4/2024
Cool	0.078	8/23/2020	0.080	7/23/2021	0.074	7/25/2022	0.072	7/11/2023	0.072	7/4/2024
Echo Summit	0.073	9/15/2020	0.081	8/22/2021	0.064	7/14/2022	0.065	5/18/2023	0.069	7/11/2024
Folsom-Natoma Street	.=	 x	0.085	9/24/2021	0.070	9/6/2022	0.071	4/27/2023	0.065	7/11/2024
Grass Valley-Litton Building	0.080	8/29/2020	0.090	9/10/2021	0.074	8/30/2022	0.063	4/29/2023	0.07	8/29/2024
Jerseydale	0.091	8/20/2020	0.081	6/17/2021	0.079	9/8/2022	0.060	8/24/2023	0.065	9/21/2024
Lassen Volcanic Natl Park	0.069	9/14/2020	0.075	8/23/2021	0.061	6/22/2022	0.061	7/12/2023	0.061	5/17/2024
Placerville	0.086	8/22/2020	0.075	9/24/2021	0.066	9/2/2022	0.067	4/27/2023	0.067	8/29/2024
Red Bluff-Walnut Street	0.061	9/6/2020	0.075	7/22/2021	0.066	6/22/2022	0.063	5/18/2023	0.053	8/2/2024
Roseville-N Sunrise Ave	0.070	8/23/2020	0.075	9/3/2021	0.070	7/23/2022	0.077	8/31/2023	0.077	6/22/2024
Sonora-Barretta Street	0.080	8/24/2020	830.0	8/25/2021	0.061	8/16/2022	0.067	8/24/2023	0.071	7/12/2024
Sutter Buttes	0.083	9/13/2020	0.077	9/4/2021	0.069	7/24/2022	0.067	7/2/2023	0.07	8/2/2024
Tuscan Butte	0.074	8/20/2020	0.077	5/13/2021	0.070	10/21/2022	0.069	10/20/2023	0.068	6/22/2024
Yosemite Natl Park- Turtleback	0.084	8/20/2020	0.080	8/24/2021	0.069	7/25/2022	0.068	7/16/2023	0.074	6/22/2024
Yuba City-Almond Street	0.066	9/5/2020	0.072	9/13/2021	0.058	6/23/2022	0.061	7/21/2023	0.063	8/3/2024

Notes:

1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.

^{2.} Folsom-Natoma Street monitoring site was shut down on 7/22/2019 for renovations and operation resumed on 12/10/2020; Anderson-North Street monitoring site closed on 10/4/2023.

^{3.} Data for the Placerville-Gold Nugget Way and Placerville-Canal Street monitoring sites were merged to make a continuous Placerville record for the 5-year period.

^{4.} 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); Placerville-Canal Street (060172004); 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	The state of the s	Colusa- Sunrise Blvd	Cool	Echo Summit	Folsom- Natoma Street	Grass Valley- Litton Building		Lassen Volcanic Natl Park	Placerville	Red Bluff- Walnut Street	Roseville-N Sunrise Ave	Sonora- Barretta Street	Sutter Buttes	Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '20																		
FEB '20									,									
MAR '20						0). U			/-				, ,
APR '20																		
MAY '20			1						1									
JUN '20		1																
JUL '20		1									1							
AUG '20		11	10		5	4		8	12	1	9		2	5	5	6	9	2
SEP '20	1	9	7		2	3		8	5	1	8		1		3	2	3	
OCT '20									6		2				1			
NOV '20																		
DEC '20																		
JAN '21																		
FEB '21		0																
MAR '21																		
APR '21																		
MAY '21		1						2	1			1				1	1	
JUN '21		3	1		1		2	1	3		2					1	1	
JUL '21		13	6		3		8	8	4	2	3	3			1	4	3	
AUG '21		11	7		5	6	8	11	9	7	4	7	2	2	7	9	10	3
SEP '21		6	3		4		10	14	4		1	4	2		3	5	1	1
OCT '21							1	2	1						1		1	
NOV '21																		
DEC '21																		

TABLE 4 Continued

Month & Year	Anderson -North Street	Auburn- Atwood Road		Colusa- Sunrise Blvd	Cool	Echo Summit	Folsom- Natoma Street	Grass Valley- Litton Building	Jerseydale	Lassen Volcanic Natl Park	Placerville	Red Bluff- Walnut Street	Roseville-N Sunrise Ave	Sonora- Barretta Street	Sutter Buttes	Tuscan Butte	Yosemite Natl Park- Turtleback	
JAN '22																		
FEB '22																		
MAR '22																		
APR '22																		
MAY '22									2								1	
JUN '22		1			1													
JUL '22		5			4	1		4					2			2		
AUG '22		5	1		4		2	4					1		2			
SEP '22		2			3		1	3	3		2			1				
OCT '22								1							1			
NOV '22										. 1								
DEC '22			1															
JAN '23													3					
FEB '23																		
MAR '23																		
APR '23							1									1		
MAY '23													1					
JUN '23					1		1						1					
JUL '23	1				3		3					1	5	1	2	2		
AUG '23			1		1	1					1		1	1			1	
SEP '23																		
OCT '23																		
NOV '23																		
DEC '23																		

TABLE 4 Continued

Month & Year	Anderson -North Street	Auburn- Atwood Road		Cool		Natoma	Grass Valley- Litton Building	Jerseydale	Lassen Volcanic Natl Park		Red Bluff- Walnut Street		Sonora- Barretta Street		Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '24																	
FEB '24																	
MAR '24																,	
APR '24																	
MAY '24																	
JUN '24		6		3	2							4	1	2	1	2	
JUL '24		9		3						2		5	3	1		2	
AUG '24		8					1					3					
SEP '24								1				2					
OCT '24		1						1									
NOV '24	2																
DEC '24																	

Notes:

- 1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
- 2. Folsom-Natoma Street monitoring site was shut down on 7/22/2019 for renovations and operation resumed on 12/10/2020; Anderson-North Street monitoring site dosed on 10/4/2023.
- 3. Data for the Placerville-Gold Nugget Way and Placerville-Canal Street monitoring sites were merged to make a continuous Placerville record for the 5-year period.

^{4.} 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); Placerville-Canal Street (060172004); 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	LIMINAGET	Red Bluff- Walnut Street	Roseville-N Sunrise Ave	Sonora- Barretta Street	Sutter Buttes	Tuscan Butte	Yosemite Natl Park- Turtleback	Yuba City
JAN '20												î.						
FEB '20								1										
MAR '20		2						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	19	16	21	9	12	17	17	17	15	8
OCT '20		12	6		6	2		9	19	2	11	2	5	11	10	7	12	2
NOV '20																		
DEC '20																		
JAN '21																		
FEB '21										1								
MAR '21	,	3	3				- 1	2		4	1							
APR '21		9	5		2		7		7	4	7	4		2	5	4	5	3
MAY '21	3	13	7		3	2	9	13	14	4	8	6	1	7	3	8	13	3
JUN '21	2	18	14		10	6	14	19	15	9	10	14	2	5	10	15	12	4
JUL '21	9	30	28	1	9	16	21	30	31	26	22	24	17	19	7	28	31	12
AUG '21	12	27	21	6	24	21	16	25	29	25	19	23	16	18	12	26	29	14
SEP '21	5	22	19	8	20		21	21	24	17	19	20	16	12	21	21	25	16
OCT '21		7	7		7		6	7	10	4	6	3	3	3	6	6	7	3
NOV '21																		
DEC '21																		

TABLE 5 Continued

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

TABLE 5 Continued

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

Notes:

- 1. Surrounding monitors used for comparison with more than one seasonal site are only listed once.
- 2. Folsom-Natoma Street monitoring site was shut down on 7/22/2019 for renovations and operation resumed on 12/10/2020; Anderson-North Street monitoring site dosed on 10/4/2023.
- 3. Data for the Placerville-Gold Nugget Way and Placerville-Canal Street monitoring sites were merged to make a continuous Placerville record for the 5-year period.

^{4.} AQS Site ID of the surrounding sites: Anderson-North Street (060890007); Auburn-AtwoodRoad(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); Placerville-Canal Street (061030007); Roseville-N Sunrise Ave (060610006); Sonora-Barretta Street (06109000); Yosemite Natl Park-Turtleback (060430003); Yuba City (061010003)

FIGURE 7 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. Sutter Buttes: Looking west from probe. (from 2016 site audit)



FIGURE 8 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. Tuscan Butte: Looking west from probe. (from 2016 site audit)



Appendix C

Supporting Documentation for Site Changes

February 6, 2025

Re: 2019 Lead Monitoring Waiver



Cheree Peterson Acting Regional Administrator U.S. EPA, Region 9 5 Hawthorne Street, San Francisco, CA 94105

Dear Ms. Peterson,

The Mojave Desert Air Quality Management District (District), in accordance with 40 CFR Part 58(4.5)(a)(II), is submitting a lead (Pb) monitoring waiver (Calendar Year 2019) for the Marine Corps Air Ground Combat Center, Twentynine Palms, CA (MCAGCC, Facility ID 591). In preparation of this waiver, the District consulted with USEPA Region 9 staff who directed the District to pursue the waiver via modeling. Modeling has been appropriately performed and demonstrates that despite the facility exceeding the 0.50 ton per year (tpy) threshold in calendar year 2019, the facility will not contribute to a maximum Pb concentration in ambient air in excess of 50 percent of the NAAQS.

To complete the waiver request, the District is taking the following final actions;

- 1. Deliver 2019 lead modeling waiver to CARB and USEPA;
- 2. Ask that CARB include copy of the lead modeling waiver in the Annual Network Plan and the 2025 Network Assessment.
- 3. Renew the waiver every 5 years as part of the Network Assessment, if necessary.

Should you have any questions regarding this submission please contact me at (760) 245-1661, extension 1846, or by email at: canderson@mdaqmd.ca.gov.

Sincerely,

Christian Anderson

Planning/Air Monitoring Supervisor

Email cc: Sylvia Vanderspek, EPA R9; Sylvia.Vanderspek@arb.ca.gov

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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

County of City of City of City of City of City of County of City of City of Town of Town of HESPERIA NEEDLES RIVERSIDE SAN BERNARDINO **ADELANTO** APPLE VALLEY BARSTOW BLYTHE TWENTYNINE PALMS VICTORVILLE YUCCA VALLEY



2019 LEAD MODELING WAIVER

for

MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CA

February 4, 2025

Prepared for



Naval Facilities Engineering Systems Command Southwest San Diego, California

Prepared Under

Contract N62470-24-D-0001 Task Order N6247324F4929 DCN: MULTIMAC-4010-4929-0002



Prepared by

Multi-MAC_Jv

Multi-Mac Joint Venture 9177 Sky Park Court, Ste 105 San Diego, CA 92123-5310 (858) 278-3600

CONTENTS

			Page
1	PRO	JECT DESCRIPTION	1-1
	1.1	FACILITY DESCRIPTION	1-2
2	SOU	RCE CHARACTERIZATION	2-5
3	METI	EOROLOGICAL INPUT DATA	3-1
4	AIR C	QUALITY MODEL SELECTION	4-1
	4.1	TERRAIN ELEVATION PROCESSING	4-1
	4.2	SOURCE RELEASE TYPES	4-1
	4.3	BUILDING DOWNWASH	4-8
	4.4	UNIVERSAL TRANSVERSE MERCATOR (UTM) COORDINATE SYSTE	M4-8
	4.5	RECEPTOR ARRAY	4-8
	4.6	MONITORING SITE BACKGROUND CONCENTRATION	4-8
	4.7	SOURCE MODELLED CONCENTRATIONS	4-13
	4.8	SUMMARY OF RESULTS	4-19
5	REFE	ERENCES	5-1

TABLES

	Page
Table 1-1. CY 2016 Through CY 2020 Pb Munition Comparison	1-1
Table 2-1. CY 2019 Pb Emitting Sources	2-5
Table 3-1. CARB Meteorological Stations	3-1
Table 4-1. Volume Source Dimensions	4-2
Table 4-2. Modelled Sources and Emissions Rates	4-2
Table 4-5. LEADPOST 3-Month Maximum Averaged Concentration (ug/m3)	4-13

FIGURES

	Page
Figure 1-1. Facility Boundary	1-3
Figure 1-2. USGS Topographic Map	1-4
Figure 2-1. Range Boundary Locations	2-10
Figure 2-2. Point Source Locations	2-11
Figure 2-3. Volume Source Locations	2-12
Figure 3-1. MCAGCC Twentynine Palms Mainside Land Cover View	3-4
Figure 3-2. MCAGCC Twentynine Palms Land Cover View	3-6
Figure 3-3. Barstow-Daggett Airport Land Cover View	3-8
Figure 3-4. Blythe Airport Land Cover View	3-10
Figure 3-5. Needles Airport Land Cover View	3-12
Figure 3-6. Barstow-Daggett Airport Wind Rose Plot	3-14
Figure 3-7. Blythe Airport Wind Rose Plot	3-15
Figure 3-8. Needles Airport Wind Rose Plot	3-16
Figure 4-1. EPA AQS Monitoring Site Locations	4-10
Figure 4-2. Site Domain Coarse Grid	4-14
Figure 4-3. Source Modelled 3-Month Maximum Pb Concentrations Contour (ug/m3) (9 Meter Explosive Detonation Volume Source Dimensions)	4-15
Figure 4-4. Source Modelled 3-Month Maximum Pb Concentration Receptor (ug/m3) (9 Meter Explosive Detonation Volume Source Dimensions)	4-16
Figure 4-5. Source Modelled 3-Month Maximum Pb Concentration Contour (ug/m3) (Supplemental 6 Meter Explosive Detonation Volume Source Dimensions)	4-17
Figure 4-6. Source Modelled 3-Month Maximum Pb Concentration Receptor (ug/m3) (Supplemental 6 Meter Explosive Detonation Volume Source Dimensions)	4-18

ACRONYMS AND ABBREVIATIONS

ASOS Automated Surface Observation Station

CARB California Air Resources Board

CEIR Comprehensive Emissions Inventory Report

CFR Code of Federal Regulations

CY calendar year

DODIC Department of Defense Identification Code

EPA U.S. Environmental Protection Agency

g/s grams per second

HARP Hotspots and Analysis Reporting Program

ICAO International Civil Aviation Organization

ICE internal combustion engine

lbs pounds

MAGTFTC Marine Air Ground Task Force Training Command

MCAGCC Marine Corps Air Ground Combat Center

MDAQMD Mojave Desert Air Quality Management District

msl mean sea level

NAAQS National Ambient Air Quality Standards

NCDC National Climatic Data Center NLCD National Land Cover Database

NAVFAC SW Naval Facilities Engineering Systems Command Southwest

OBODM Open Burn/Open Detonation Dispersion Model

Pb lead

SCRAM Support Center for Regulatory Atmospheric Modeling SERDP Strategic Environmental Research and Development

TA training area tpy tons per year

USGS United States Geological Survey

WGS84 World Geodetic System 1984

1 PROJECT DESCRIPTION

In March 2023, the Mojave Desert Air Quality Management District (MDAQMD), reached out to Marine Air Ground Task Force Training Command, Marine Corps Air Ground Combat Center (MAGTFTC MCAGCC) Twentynine Palms (hereinafter referred to as "Facility") regarding calendar year (CY) 2019 lead (Pb) emissions, primarily attributed to live fire explosives (i.e., munitions) used during range training operations. The inquiry was a result of Pb emissions greater than 0.5 tons per year (tpy), which were reported as 0.78 tpy in the Comprehensive Emissions Inventory Report (CEIR) for CY 2019. At the time, MDAQMD requested that a description of the quantification methodology, including determination of the emission factor be provided.

In response to the request, the Facility conducted an in-depth review on the emissions data from CY 2019, as well as prior and subsequent years. The significant increase in Pb compound emissions reported in CY 2019 was attributed to an increase in use of three munitions for rockets with corresponding Department of Defense Identification Codes (DODICs) of H464, HA12, and J271. These three DODICs have Pb compound emissions greater than or roughly equal to the quantity of Pb compound emissions from all munitions reported in the CY 2016, CY 2017, CY 2018, and CY 2020 emissions inventories. While munition usage fluctuates depending on the training exercises being performed, the high usage of rockets (and corresponding Pb emissions) was an anomaly in CY 2019.

Pb Emissions from Rounds Fired **Total Pb Emissions CEIR Year** H464, HA12, and from H464, HA12, from Munitions (lbs) J271 (lbs) and J271 2016 562.4 129.7 1,178 2017/2018 792 229 24.6 2019 1427.6 759.6 6,023 2020 635.2 276.2 2,462

Table 1-1. CY 2016 Through CY 2020 Pb Munition Comparison

lbs - pounds

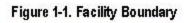
The data in Table 1 was submitted to MDAQMD. MDAQMD communicated the data would be used to complete a Pb monitoring waiver on 3 April 2023. The information to support the waiver was sent to U.S. Environmental Protection Agency (EPA) by MDAQMD on 11 April 2023. EPA requested additional information on the Pb emissions for CY 2021 and CY 2022, which were provided. On 16 June 2023, the EPA Region IX consulted with their headquarters and determined that the prudent course of action is for the MDAQMD to pursue a waiver, via modeling, for Pb monitoring concerning the Facility source, as it exceeded the 0.5 tpy threshold for non-airport Pb sources in CY 2019 with Pb emissions reaching 0.78 tpy. EPA noted that "as described in § 4.5(ii) of Appendix D to 40 Code of Federal Regulations (CFR) 58: 'The Regional Administrator may waive the requirement in paragraph 4.5(a) for monitoring near lead sources if the State or, where appropriate, local agency can demonstrate the Pb source will not contribute to a maximum Pb concentration in ambient air in excess of fifty percent of the NAAQS (based on historical monitoring data, modeling, or other means). The waiver must be renewed once every 5 years as part of the network assessment required under Section 58.10(d)." EPA requested that the waiver be submitted by 1 July 2024, and that MDAQMD collaborate with the Facility and the California Air Resources Board (CARB) to complete the effort.

This modeling waiver was prepared in response to the request from EPA. To complete the effort, Environmental Affairs at the Facility utilized an existing task order with Naval Facilities Engineering Systems Command Southwest (NAVFAC SW) in which the Multi-MAC Joint Venture was contracted to provide technical support and expertise to Environmental Affairs' staff at MAGTFTC MCAGCC Twentynine Palms, California. Specifically, the work to complete this modeling waiver was performed under NAVFAC SW Contract N62470-19-D-4010, Task Order N6247321F4548, Work Element 8.

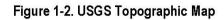
1.1 FACILITY DESCRIPTION

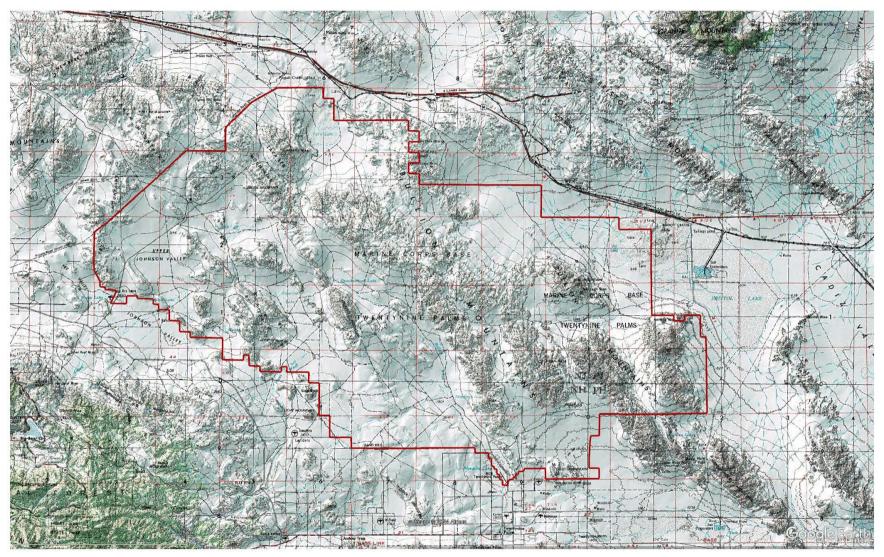
The Facility is located approximately 140 miles east of Los Angeles in the Mojave Desert. The mission of MAGTFTC MCAGCC Twentynine Palms is to promote readiness of operating forces and provide facilities, services, and support response to the needs of tenant commands, Marines, Sailors, and their families. As part of this readiness mission, live-fire combined arms training is conducted. Criteria pollutants, greenhouse gases, and hazardous air pollutants emissions are generated from these activities by sources that include boilers, coating operations, explosives, gas turbines, internal combustion engines (ICEs), fuel storage tanks, fugitive dust, aircraft, munitions, and tactical support equipment. Figure 1-1 displays the entire Facility boundary.

The arid area mainly receives less than 10 inches of rainfall a year, with an annual average temperature of 68 degrees Fahrenheit. The elevations range from 300 to 1,100 meters east to west with the Bullion Mountains bordering the eastern side, Lava Bed Mountains in the north, and Johnson Valley in the west. Figure 1-2 shows the United States Geological Survey (USGS) Topographic Map for the Facility.









2 SOURCE CHARACTERIZATION

The sources modeled are those that resulted in Pb emissions as shown in the MDAQMD-approved CY 2019 CEIR. There were 90 sources emitting Pb per CY 2019 CEIR. The majority were combustion sources such as ICEs and boilers; however, most of the Pb emissions (93%) were from the munition expenditures in the training ranges at the Facility. The next largest source of Pb emissions was from F-24 fuel (formerly JP8) combustion in tactical vehicles and tactical support equipment. Table 2-1 lists all the sources and their corresponding Pb emissions from CY 2019. Table 2-2 breaks down the "Live Fire, Explosives" emissions by range. The largest munition types were generally used in the large training areas (TA), such as Quackenbush and Noble Pass, which accounted for 57% of the total Pb emissions from the Facility in CY 2019. Figure 2-1 shows the range boundary locations. Figure 2-2 shows the location of point sources, in an area known as Mainside at the Facility. Figure 2-3 shows the location of the volume sources at the Facility, where the munitions are used in the ranges.

Table 2-1. CY 2019 Pb Emitting Sources

MDAQMD Permit to Operate (PTO)	HARP Device	Description	Pb (tpy)	% of Total Pb
Exempt56	90056	Live Fire, Explosives	7.14E-01	92.94%
Exempt59	90059	Tactical Vehicles, JP8	5.32E-02	6.92%
Exempt30	90030	Tactical Support Equipment, JP8	7.52E-04	0.10%
B011149	41149	Non-emergency, ICE, Diesel	1.01E-04	0.01%
Exempt65	90065	Welding and Soldering	2.25E-05	0.003%
E011215	411215	Emergency, ICE, Diesel	1.77E-05	0.002%
E011951	411951	Emergency, ICE, Diesel	1.59E-05	0.002%
Exempt99	89999	Non-permitted ICEs, < 50 bhp, Diesel	1.54E-05	0.002%
Exempt26	90026	Natural Gas Combustion, Space Heating, Nonresidential	1.13E-05	0.001%
Exempt00	90000	Non-permitted ICEs, < 50 bhp, Diesel	1.09E-05	0.001%
B011150	41150	Non-emergency, ICE, Diesel	1.02E-05	0.001%
E007880	47880	Emergency, ICE, Diesel	7.39E-06	0.001%
E007882	47882	Emergency, ICE, Diesel	7.19E-06	0.001%
E011168	411168	Emergency, ICE, Diesel	5.85E-06	0.001%
B011171	211171	Boiler #1 (Cogen Plant 2)	5.58E-06	0.0007%
B011172	211172	Boiler #2 (Cogen Plant 2)	5.58E-06	0.0007%
B013500	413500	Non-emergency, Portable ICE, Diesel	5.29E-06	0.0007%
Exempt97	89997	Non-permitted ICEs, < 50 bhp, Diesel	4.51E-06	0.0006%
E011973	411973	Emergency, ICE, Diesel	3.92E-06	0.0005%
B012211	412211	Emergency, ICE, Diesel	3.86E-06	0.0005%
E012426	412426	Emergency, ICE, Diesel	3.65E-06	0.0005%
B010497	10497	Non-emergency, Portable ICE, Diesel	3.64E-06	0.0005%

Table 2-1. CY 2019 Pb Emitting Sources

MDAQMD Permit to Operate (PTO)	HARP Device	Description	Pb (tpy)	% of Total Pb
E008455	48455	Emergency, ICE, Diesel	3.58E-06	0.0005%
B013076	413076	Non-emergency, Portable ICE, Diesel	3.56E-06	0.0005%
E012427	412427	Emergency, ICE, Diesel	3.43E-06	0.0004%
E009418	49418	Emergency, ICE, Diesel	3.29E-06	0.0004%
E012425	412425	Emergency, ICE, Diesel	2.89E-06	0.0004%
E010069	40069	Emergency, ICE, Diesel	2.49E-06	0.0003%
E008747	48747	Emergency, ICE, Diesel	2.47E-06	0.0003%
E008306	48306	Emergency, ICE, Diesel	2.45E-06	0.0003%
E007881	47881	Emergency, ICE, Diesel	2.44E-06	0.0003%
B013074	413074	Non-emergency, Portable ICE, Diesel	2.39E-06	0.0003%
B012346	412346	Non-emergency, Portable ICE, Diesel	2.35E-06	0.0003%
B013077	413077	Non-emergency, Portable ICE, Diesel	2.35E-06	0.0003%
B000955	20955	Boiler #2 HTHW (Central Heating Plant)	2.32E-06	0.0003%
B011795	211795	Boiler #3 HTHW (Central Heating Plant)	2.32E-06	0.0003%
M011794	211794	Boiler #1 HTHW (Central Heating Plant)	2.32E-06	0.0003%
E012074	412074	Emergency, ICE, Diesel	2.11E-06	0.0003%
E011292	41292	Emergency, ICE, Diesel	2.02E-06	0.0003%
B012706	412706	Non-emergency, Portable ICE, Diesel	2.00E-06	0.0003%
B013075	413075	Non-emergency, Portable ICE, Diesel	1.97E-06	0.0003%
E009374	49374	Emergency, ICE, Diesel	1.91E-06	0.0002%
E011145	41145	Emergency, ICE, Diesel	1.73E-06	0.0002%
E008366	48366	Emergency, ICE, Diesel	1.66E-06	0.0002%
E008302	48302	Emergency, ICE, Diesel	1.61E-06	0.0002%
B012215	412215	Non-emergency, Portable ICE, Diesel	1.61E-06	0.0002%
E008865	48865	Emergency, ICE, Diesel	1.21E-06	0.0002%
E004791	44791	Emergency, ICE, Diesel	1.20E-06	0.0002%
B013503	413503	Non-emergency, Portable ICE, Diesel	1.14E-06	0.0001%
E007902	47902	Emergency, ICE, Diesel	9.78E-07	0.0001%
Exempt2	90002	Non-permitted ICEs, < 50 bhp, Diesel	9.39E-07	0.0001%
E011214	411214	Emergency Generator (Base Telephone/Data)	9.38E-07	0.0001%
B003238	23238	Boiler (Naval Hospital)	8.92E-07	0.0001%
M003239	23239	Boiler (Naval Hospital)	8.92E-07	0.0001%
B009055	49055	Power Test Dynamometer	8.09E-07	0.0001%
E010769	10769	Emergency, ICE, Diesel	8.03E-07	0.0001%
E009928	49928	Emergency, ICE, Diesel	7.83E-07	0.0001%

Table 2-1. CY 2019 Pb Emitting Sources

MDAQMD Permit to Operate (PTO)	HARP Device	Description	Pb (tpy)	% of Total Pb
E012623	412623	Emergency, ICE, Diesel	7.11E-07	0.00009%
E009830	49830	Emergency, ICE, Diesel	6.75E-07	0.00009%
B012495	412495	Non-emergency ICE, Terex Rock Crushing	6.43E-07	0.00008%
E010772	10772	Emergency, ICE, Diesel	5.76E-07	0.00008%
E011427	411427	Emergency, ICE, Diesel	5.48E-07	0.00007%
E008864	48864	Emergency, ICE, Diesel	5.24E-07	0.00007%
B012442	412442	Non-emergency ICE, METSO Rock Crushing	4.94E-07	0.00006%
E009229	49229	Emergency, ICE, Diesel	4.91E-07	0.00006%
E009197	49197	Emergency, ICE, Diesel	4.76E-07	0.00006%
E012424	412424	Emergency, ICE, Diesel	4.45E-07	0.00006%
Exempt5	90005	Non-permitted Boilers, <2 MMBTU/hr, Natural Gas	4.05E-07	0.00005%
E010770	10770	Emergency, ICE, Diesel	4.02E-07	0.00005%
E008364	48364	Emergency, ICE, Diesel	3.98E-07	0.00005%
E012073	412073	Emergency, ICE, Diesel	3.77E-07	0.00005%
E008363	48363	Emergency, ICE, Diesel	3.67E-07	0.00005%
E010771	10771	Emergency, ICE, Diesel	3.40E-07	0.00004%
E008301	48301	Emergency, ICE, Diesel	3.29E-07	0.00004%
E011446	41446	Emergency, ICE, Diesel	2.80E-07	0.00004%
E009228	49228	Emergency, ICE, Diesel	2.02E-07	0.00003%
Exempt98	89998	Non-permitted ICEs, < 50 bhp, Diesel	1.82E-07	0.00002%
E008303	48303	Emergency, ICE, Diesel	1.44E-07	0.00002%
E008304	48304	Emergency, ICE, Diesel	1.44E-07	0.00002%
E008721	48721	Emergency, ICE, Diesel	1.25E-07	0.00002%
Exempt6	90006	Non-permitted Boilers, <2 MMBTU/hr, Propane	1.23E-07	0.00002%
B010993	210993	Boiler - Training Tank/pool	1.19E-07	0.00002%
B010994	210994	Boiler - Training Tank/pool	1.19E-07	0.00002%
B010995	210995	Boiler - Training Tank/pool	1.19E-07	0.00002%
E010773	10773	Emergency, ICE, Diesel	1.05E-07	0.00001%
B010498	20498	Non-emergency, Portable ICE, Diesel	5.52E-08	0.00001%
B009746	29746	Boiler	2.93E-08	0.000004%
B012318	412318	Furnace, Aluminum Sweat, Propane	8.98E-09	0.000001%
B013450	413450	Fire Fighting Training, Propane - Burn Car	2.29E-09	0.000003%
E009230	49230	Emergency, ICE, Diesel	1.22E-09	0.0000002%

HARP - Hotspots and Analysis Reporting Program

tpy – tons per year

Table 2-2. CY 2019 "Live Fire, Explosives" Pb Emissions By Range

Range	Pb (tpy)	% of Total Pb
TA-QUACKENBUSH	3.32E-01	43.25%
TA-NOBLE PASS	1.11E-01	14.46%
TA-LAVIC LAKE	4.37E-02	5.69%
TA-GAYS PASS	2.89E-02	3.76%
TA-DELTA	2.62E-02	3.41%
TA-BLACKTOP	2.07E-02	2.70%
TA-PROSPECT	1.97E-02	2.57%
TA-LEAD MOUNTAIN	1.29E-02	1.68%
TA-MORGANS WELL	1.28E-02	1.66%
R-500	1.27E-02	1.66%
R-400	9.41E-03	1.23%
R-410A	9.30E-03	1.21%
TA-AMERICA MINE	8.76E-03	1.14%
R-110	8.05E-03	1.05%
R-106A	6.36E-03	0.83%
TA-LAVA	4.62E-03	0.60%
R-210 (LIVEMOUT)	4.57E-03	0.59%
R-MTU RANGE 1	4.51E-03	0.59%
R-113	3.70E-03	0.48%
R-109	3.26E-03	0.42%
R-106	3.05E-03	0.40%
TA-MAUMEE MINE	2.50E-03	0.33%
R-114	2.45E-03	0.32%
R-MTU RANGE 2	2.18E-03	0.28%
TA-RAINBOW CANYON	2.12E-03	0.28%
R-MTU RANGE 1A	2.01E-03	0.26%
R-051	1.69E-03	0.22%
R-230 (LIVEMOUT)	1.14E-03	0.15%
R-MTU RANGE 3A	9.25E-04	0.12%
R-410	8.70E-04	0.11%
R-101	7.62E-04	0.10%
R-108	5.98E-04	0.08%
TA-EMERSON LAKE	5.98E-04	0.08%

Table 2-2. CY 2019 "Live Fire, Explosives" Pb Emissions By Range

Range	Pb (tpy)	% of Total Pb
R-105A	5.44E-04	0.07%
R-112	5.44E-04	0.07%

tpy - tons per year

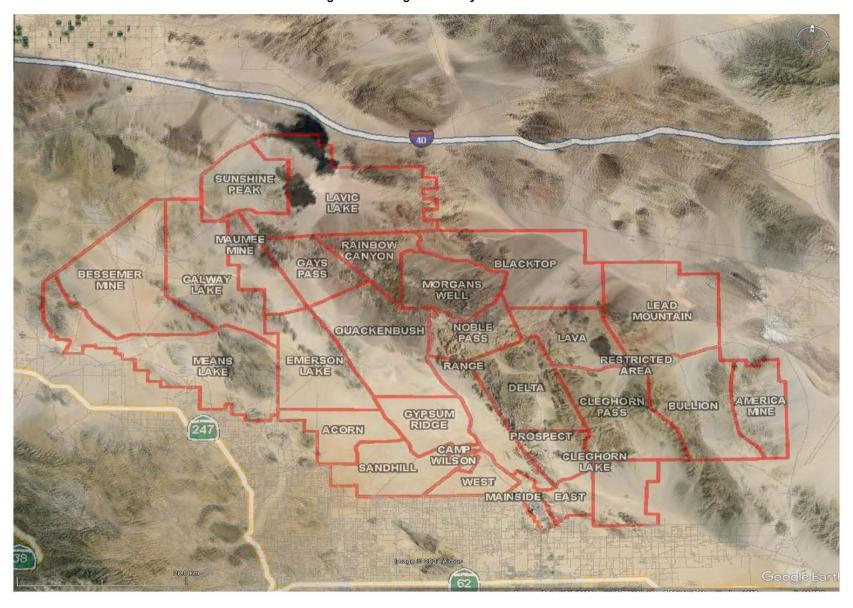
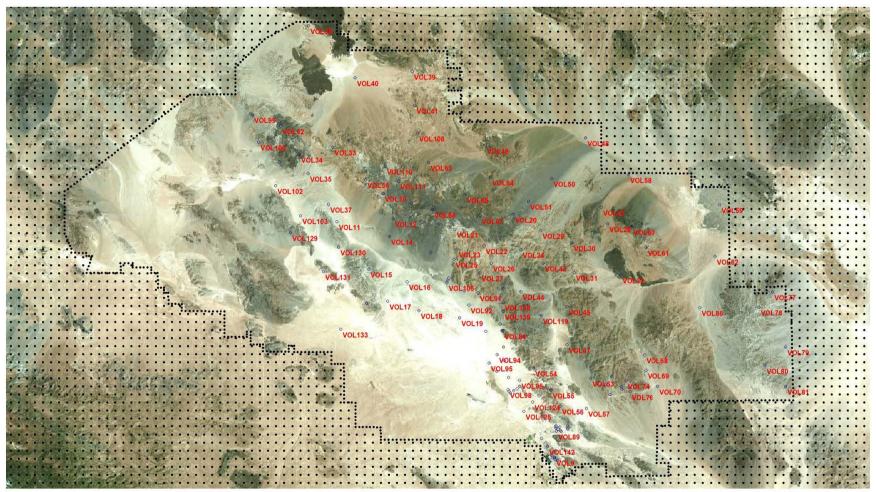


Figure 2-1. Range Boundary Locations



Figure 2-2. Point Source Locations





3 METEOROLOGICAL INPUT DATA

The AERMOD surface (*.SFC) and profile data (*.PFL) files were obtained from CARB. The surface and profile data files were developed using AERMET (version 19191) with surface meteorological data, upper air meteorological data, and land use data. The meteorological data files are adjusted u-star (ADJ_U*) for surface friction velocity in the presence of low wind speeds. The raw hourly surface meteorological data is from NOAA's National Climatic Data Center (NCDC) for the years 2010-2021 with the most recent and complete five years of meteorological data processed. The raw meteorological data were recorded from meteorological instruments at airports using Automated Surface Observation Station (ASOS) systems. The meteorological preprocessor AERMINUTE was used to process ASOS 1-minute wind data. A minimum wind speed threshold of 0.5 m/s was used in consistency with EPA guidance. Wind speeds below this threshold were treated as calm. Raw upper air data was obtained from NOAA's Earth System Research Laboratory for the years 2010-2021. For surface stations in the MDAQMD, the most representative upper air station was used in AERMOD.

Considerations for choosing the appropriate meteorological station included the following:

- Proximity, Temperature, Terrain Features, Wind Rose Plot, and Precipitation
- AERSURFACE Land Use and Surface Characteristics (Albedo, Bowen, and Surface Roughness)
- Rural Dispersion Coefficients.

Table 3-1. CARB Meteorological Stations

Station Name	ICAO	Air District	Latitude	Longitude	Elevation (m)	Years Processed
Blythe Airport	KBLH	MDAQMD	33.618	-114.709	120.4	2015, 2016, 2017, 2019, 2020
Barstow- Daggett Airport	KDAG	MDAQMD	34.854	-116.787	584.3	2015, 2016, 2018, 2019, 2020
Needes Airport	KEED	MDAQMD	34.768	-114.618	271.3	2015, 2017, 2018, 2019, 2020

Source: https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files

ICAO – International Civil Aviation Organization

m - meters

AERSURFACE (version 20060) was evaluated applying the following parameters:

- 2016 USGS National Land Cover Database (NLCD)
- Surface Roughness at airport stations (1km radius) with twelve 30-degree radial land-use sectors
- Airport Site Sector Surface Characteristics
- Bowen Ratio and Albedo (10km X 10km domain)
- Climate Parameter (Arid Region less than 10 inches of annual rainfall).

To determine surface moisture conditions, precipitation data from the National Weather Service latest 30-year period (1991-2020), Climate Normals for Barstow-Daggett Airport (a.k.a. KDAG) was used to ascertain if each of the five years of meteorological data should be considered "Average", "Wet", or "Dry". Annual precipitation below the 30th percentile was considered as "Dry", above the 70th percentile "Wet", and between the 30th and 70th percentiles "Average" as listed in Table 3-2. Most of the years (3 of 5) are considered "Average" as summarized in Table 3-3.

Table 3-2. KDAG Airport 30-Year Precipitation (1991-2020)

Parameter	Annual Precipitation (inches)
Minimum	1.39
30th Percentile	2.82
Average	3.77
70th Percentile	6.97
Maximum	11.78

Table 3-3. KDAG Airport Annual Precipitation

Year	Annual Precipitation (inches)	AERSURFACE Condition
2015	2.97	Average
2016	2.79	Dry
2018	1.75	Dry
2019	6.04	Average
2020	3.36	Average

Table 3-4 lists the meteorological station characteristics, including airport station, wind rose plots, wind speed and directions for the meteorological years processed.

Table 3-4. Meteorological Stations Characteristics

Station Name	Distance and Direction from Site	Land Cover View	Land Cover Class Composition	Wind Rose Plot	Characteristics
Barstow- Daggett Airport	20 Miles Northwest	Figure 3-3	Table 3-7	Figure 3-6	Closest to site with similar terrain and elevation. Westerly Winds. Greater than 90% Rural.
Blythe Airport	80 Miles Southeast	Figure 3-4	Table 3-8	Figure 3-7	Furthest from site and lower elevation. Predominantly Southern Winds. Greater than 90% Rural.
Needles Airport	70 Miles Northeast	Figure 3-5	Table 3-9	Figure 3-8	Far from site and lower elevation. Southwesterly and Northwesterly Winds. Greater than 90% Rural.

The meteorological data from the Barstow-Daggett Airport Station is the most representative for the Facility location, considering distance, surface characteristics, elevation, and surrounding terrain. The Blythe and Needles Airport Stations are both further from the Facility and lower in elevation, while the Wind Rose Plots display different wind direction patterns in comparison to the nearer Barstow-Daggett Airport.

To demonstrate land use at the site and selection of Rural Dispersion Coefficients (Guideline on Air Quality Models, Section 7.2.1.1), two separate AERSURFACE evaluations were used. One on the Mainside southern property boundary, which is a moderately developed area, and another centered within the site property boundary to represent the overall dominantly undeveloped area. The Surface Roughness distance extends to a three-kilometer radius, and the bowen ratio and albedo covers a 10 kilometer by 10 kilometer domain. Aside from 10% of the area being urban on the Mainside, the site is predominantly classified as rural. Refer to Figures 3-1 and 3-2 and Tables 3-5 and 3-6.

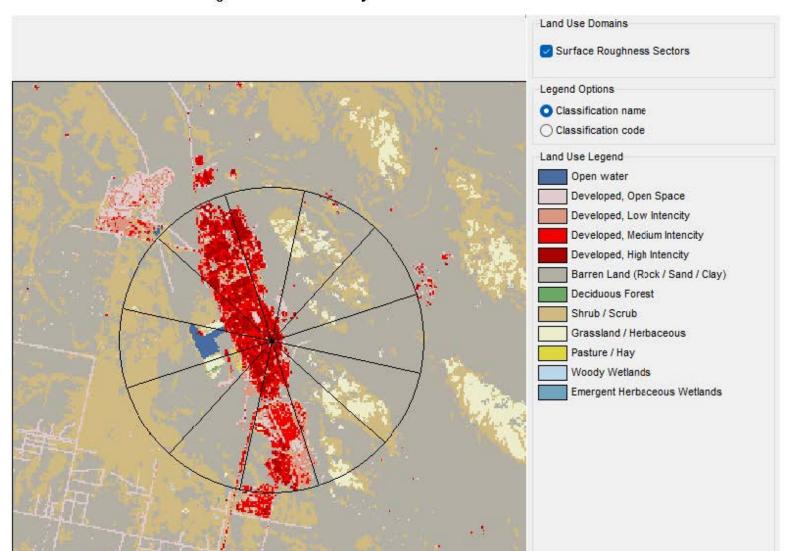


Figure 3-1. MCAGCC Twentynine Palms Mainside Land Cover View

Table 3-5. MCAGCC Twentynine Palms Mainside Land Cover Classification Composition

Land Class Code	Туре	Classification Description	Percent
11	Rural	Open Water	0.2
21	Urban	Developed, Open Space	3.8
22	Urban	Developed, Low Intensity	2
23	Urban	Developed, Medium Intensity	2.5
24	Urban	Developed, High Intensity	1.6
31	Rural	Barren Land (Rock/Sand/Clay)	63.2
41	Rural	Deciduous Forest	0.01
52	Rural	Shrub/Scrub	23.4
71	Rural	Grasslands/Herbaceous	3.3
81	Rural	Pasture/Hay	0.02
90	Rural	Woody Wetlands	0.03
95	Rural	Emergent Herbaceous Wetland	0.002
		Urban	9.9
		Rural	90.1

Figure 3-2. MCAGCC Twentynine Palms Land Cover View

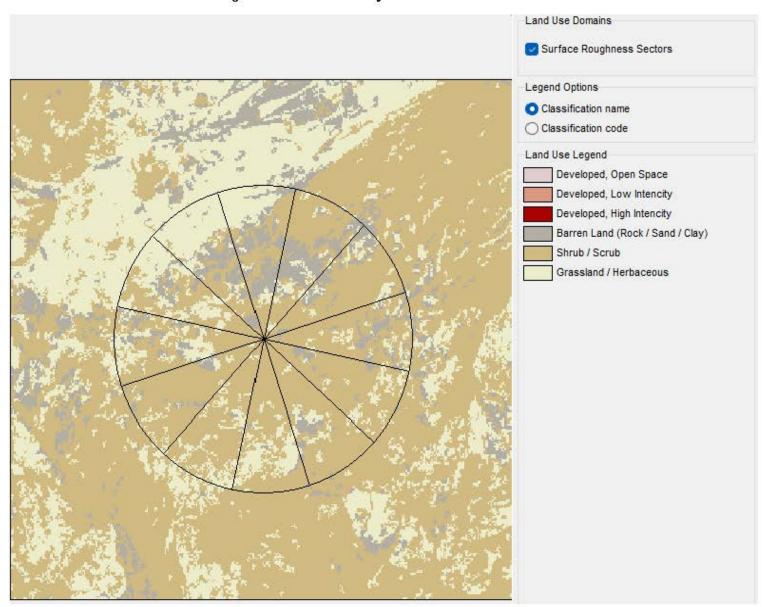
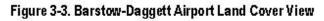


Table 3.6. MCAGCC Twentynine Palms Land Cover Classification Composition

Land Class Code	Туре	Classification Description	Percent
31	Rural	Barren Land (Rock/Sand/Clay)	9.8
52	Rural	Shrub/Scrub	61.3
71	Rural	Grasslands/Herbaceous	28.8
		Rural	100



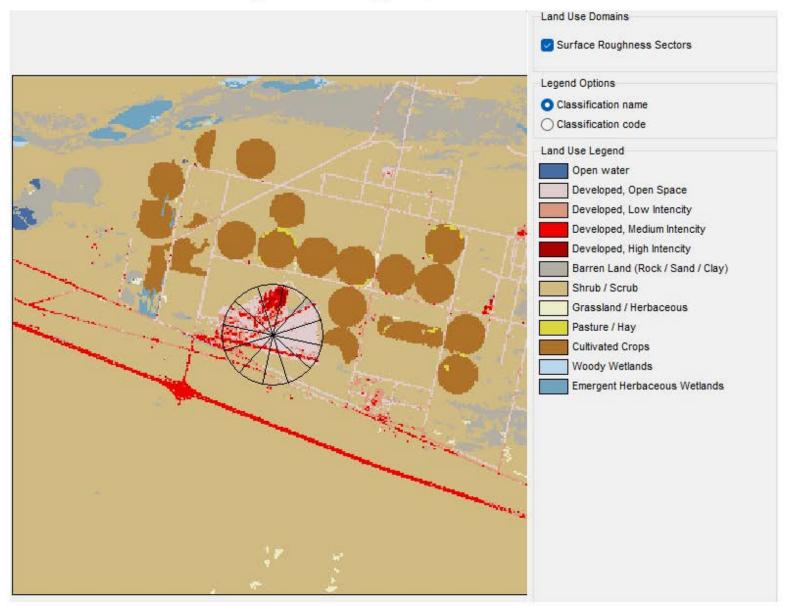


Table 3-7. Barstow-Daggett Airport Land Cover Classification Composition

	W.V. W.V.	- X	2.021
Land Class Code	Туре	Classification Description	Percent
11	Rural	Open Water	0.2
21	Urban	Developed, Open Space	3.4
22	Urban	Developed, Low Intensity	1.5
23	Urban	Developed, Medium Intensity	1.6
24	Urban	Developed, High Intensity	0.1
31	Rural	Barren Land (Rock/Sand/Clay)	8
52	Rural	Shrub/Scrub	75.7
71	Rural	Grasslands/Herbaceous	0.2
81	Rural	Pasture/Hay	0.1
82	Rural	Cultivated Crops	8
90	Rural	Woody Wetlands	0.2
95	Rural	Emergent Herbaceous Wetland	1
		Urban	6.6
		Rural	93.4

Figure 3-4. Blythe Airport Land Cover View

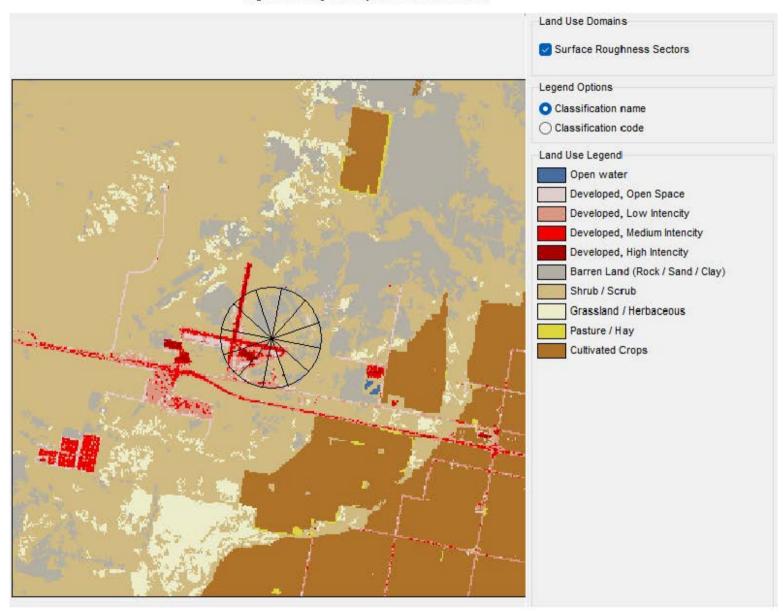


Table 3-8. Blythe Airport Land Cover Classification Composition

Land Class Code	Туре	Classification Description	Percent
11	Rural	Open Water	0.04
21	Urban	Developed, Open Space	1.1
22	Urban	Developed, Low Intensity	2.2
23	Urban	Developed, Medium Intensity	1.3
24	Urban	Developed, High Intensity	0.3
31	Rural	Barren Land (Rock/Sand/Clay)	14.8
52	Rural	Shrub/Scrub	53.1
71	Rural	Grasslands/Herbaceous	5.9
81	Rural	Pasture/Hay	0.3
82	Rural	Cultivated Crops	20.9
		Urban	4.9
		Rural	95.1

Figure 3-5. Needles Airport Land Cover View

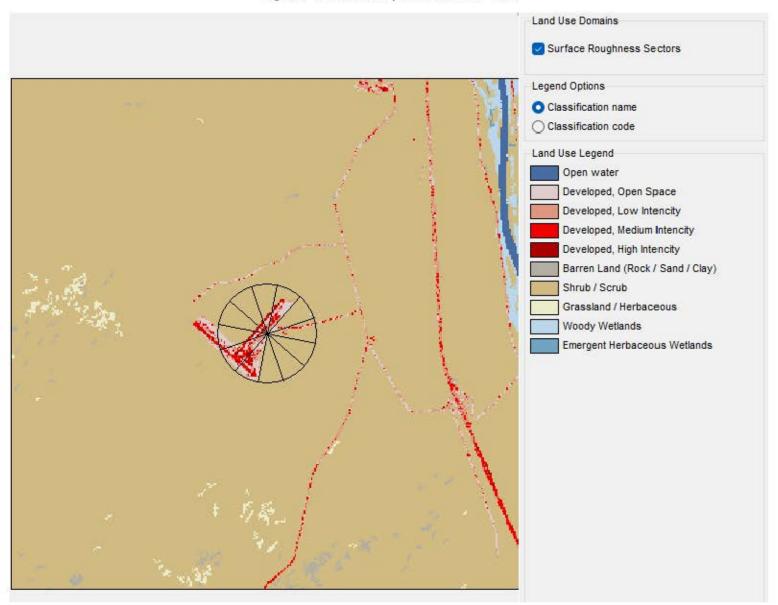
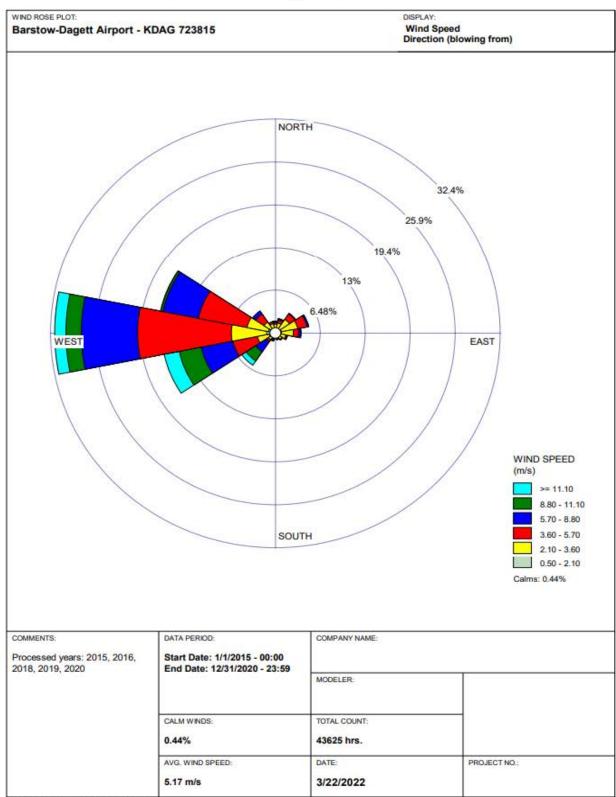


Table 3-9. Needles Airport Land Cover Classification Composition

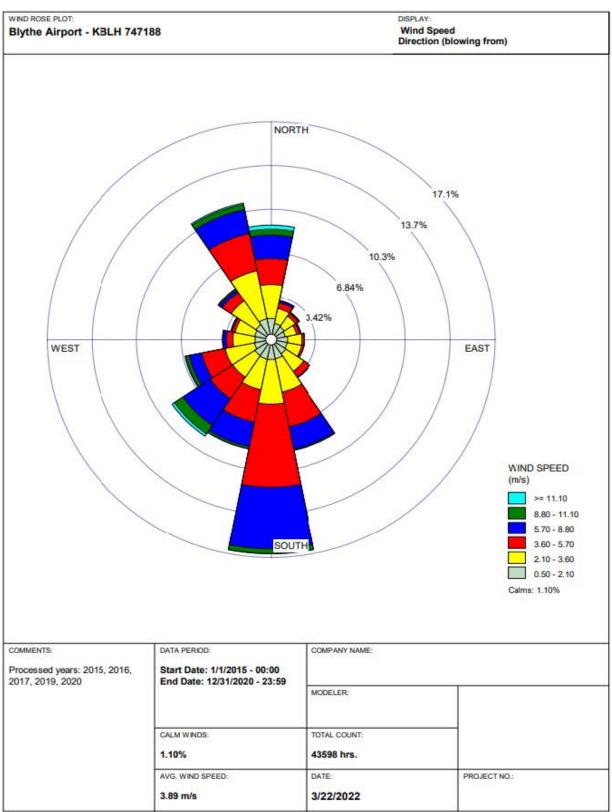
Land Class Code	Туре	Classification Description	Percent
11	Rural	Open Water	0.6
21	Urban	Developed, Open Space	0.9
22	Urban	Developed, Low Intensity	1.2
23	Urban	Developed, Medium Intensity	0.7
24	Urban	Developed, High Intensity	0.1
31	Rural	Barren Land (Rock/Sand/Clay)	0.6
52	Rural	Shrub/Scrub	94.3
71	Rural	Grasslands/Herbaceous	0.7
90	Rural	Woody Wetlands	0.9
•		Urban	2.9
		Rural	97.1

Figure 3-6. Barstow-Daggett Airport Wind Rose Plot



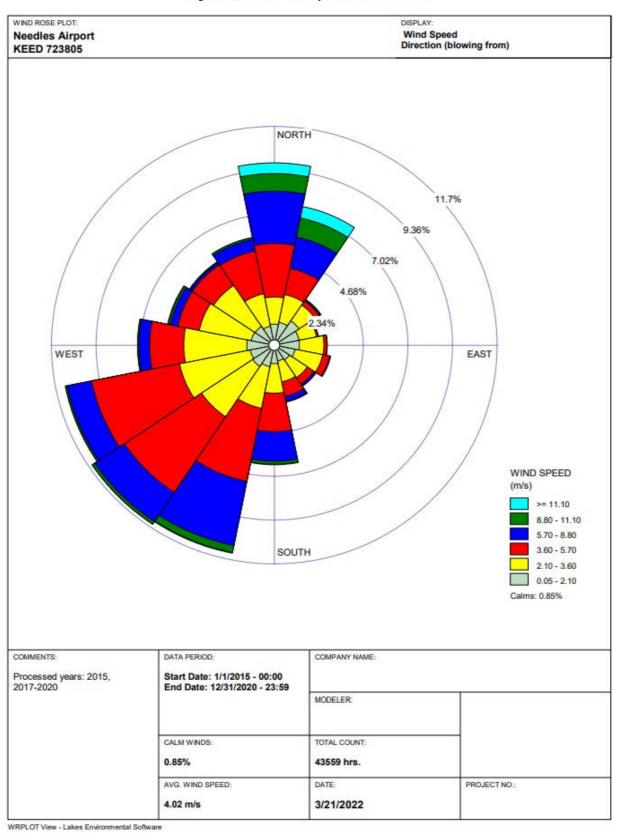
WRPLOT View - Lakes Environmental Software

Figure 3-7. Blythe Airport Wind Rose Plot



WRPLOT View - Lakes Environmental Software

Figure 3-8. Needles Airport Wind Rose Plot



4 AIR QUALITY MODEL SELECTION

The EPA's preferred air quality dispersion model, AERMOD (Appendix A to Appendix W to CFR Part 51) was used to estimate off-property ground-level Pb air concentrations. AERMOD is a steady-state plume model that simulates the dispersion of pollutants in the atmosphere based on meteorological data, the emissions release type, and terrain features.

The AERMOD Regulatory Default options selected include:

- Sequential meteorological data processed with regulatory options in AERMET.
- Use of terrain elevation data from preferred data sources processed through AERMAP.
- Stack-tip downwash for point sources.
- No pollutant half-life or decay options.

The EPA's Support Center for Regulatory Atmospheric Modeling (SCRAM) site lists the Open Burn/Open Detonation Dispersion Model (OBODM) as an alternative to the preferred and recommended models listed in the Guidelines in Appendix W. The OBODM is an older model in comparison to AERMOD, with the most recent User Guide from 1998 by the Strategic Environmental Research and Development (SERDP) Program Office (Report Number DPG-TR-96-008b)¹. The OBODM uses plume/cloud rise dispersion and deposition algorithms applied from historic models for instantaneous and quasi-continuous sources to predict the downwind transport and dispersion of pollutants released by Open Burn/Open Detonation sources.

There are several limitations to the OBODM for this evaluation. A specified explosive type must be entered. The model is limited to 50 sources, a maximum of 100 X coordinates and 100 Y coordinates, and 100 discrete receptors. For complex terrain, the base elevations above mean sea level (MSL) for the source and receptors must be entered. The OBODM transitional plume/cloud rise algorithms are not used in complex terrain and the final plume/cloud rise apply at all downwind distances. For meteorological data, older ISCST2/3 preprocessed files of up to one year for a single run may be used, otherwise, inputs are based on Pasquill stability categories at 10 meters for wind speed and direction above the surface.

The practical application of the modelling for this evaluation is more suited by AERMOD, considering the number of sources and receptors, distance and downwind dispersion in complex terrain, and the availability of more recent atmospheric station AERMET meteorological data.

4.1 TERRAIN ELEVATION PROCESSING

Complex terrain was processed using AERMAP with United States Geological Survey National Elevation Dataset data with a resolution of 1/3 arc second (10 meters).

4.2 SOURCE RELEASE TYPES

The Pb emissions released from exhaust stacks (point sources) and fugitive releases (volume sources) were modelled with AERMOD (version 23132).

¹ https://apps.dtic.mil/sti/tr/pdf/ADA345376.pdf

- Point Sources (stack height and inside diameter, stack gas exit velocity, release temperature).
- Volume Sources (emissions containing an initial vertical extent plume rise).

The live fire explosive detonations occur throughout the year. Although they are characterized as instantaneous releases, the annual emissions are modelled at a constant rate (g/s) over each day of the month with the daily average aggregated for the monthly averaging period, considering variations in meteorological conditions over time.

The live fire explosives contribute 93% of the total Pb emissions. The explosive plumes are typically 6 to 9 meters for the initial dimensions per video training observation, "Marines Conduct Company Live-Fire Training at Twentynine Palms," (https://www.youtube.com/watch?v=b3lgE8wn0Kg) during event minutes 1:57, 2:30, 3:28, 3:55, and 4:55. Considering the range of explosive dimensions, two separate modeling evaluations were conducted at both 6 and 9 meters. Since the detonations may be upwards of 9 meters in size, the 6 meter volume source modelling may be considered more conservative as a supplemental evaluation to present an alternative maximum impact concentration. The volume surface-based source dimensions followed the EPA AERMOD User's Guide (EPA-454/B-23-008, October 2023, Table 3-3. Summary of Suggested Procedures for Estimating Initial Lateral Dimensions σ_{yo} and Initial Vertical Dimensions σ_{zo} for Volume and Line Sources.)

Source	Release Height (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)
Live Fire Explosives (6 Meters)	6/2=3	6 / 4.3 = 1.39	6 / 2.15 = 2.79
Live Fire Explosives (9 Meters)	9/2=4.5	9 / 4.3 = 2.09	9 / 2.15 = 4.19

Table 4-1. Volume Source Dimensions

The total Pb emissions listed for each of the Ranges (Page 2-4, CY 2019 "Live Fire, Explosives" Pb Emissions By Range, Table 2-2) are broken up into several smaller volume sources within each Range Boundary (Page 2-6, Figure 2-1), like Quackenbush, which is more than 65 square miles, to best account for the large area where munitions can be used and large variation in topography and elevation. The VOL10-VOL139 listed in Table 4-2 below are separate explosives sources for all Ranges with the total emissions rate for each Range being divided by the number of sources within each Range Boundary. For example, the Range Quackenbush, with total Pb emissions of 3.32E-01 tpy, is divided into ten volume sources (VOL_QB_01 - VOL_QB_10) and a modelled emissions rate for each source of 9.56E-04 g/s. The proposed sources are provided in the included electronic files.

Table 4-2. Modelled Sources and Emissions Rates

Type	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
POINT	STCK16	B000955	2.32E-06	4.64E-03	5.30E-07	6.68E-08
POINT	S026	B003238	8.92E-07	1.78E-03	2.04E-07	2.57E-08
POINT	STCK24	B009055	8.09E-07	1.62E-03	1.85E-07	2.33E-08
POINT	S040	B009746	2.93E-08	5.86E-05	6.69E-09	8.44E-10
POINT	STCK32	B010497, #1	1.82E-06	3.64E-03	4.16E-07	5.24E-08

Table 4-2. Modelled Sources and Emissions Rates

Туре	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
POINT	STCK40	B010497, #2	1.82E-06	3.64E-03	4.16E-07	5.24E-08
POINT	STCK33	B010498	5.52E-08	1.10E-04	1.26E-08	1.59E-09
VOLUME	VOL3	B010993	1.19E-07	2.38E-04	2.72E-08	3.43E-09
VOLUME	VOL4	B010994	1.19E-07	2.38E-04	2.72E-08	3.43E-09
VOLUME	VOL5	B010995	1.19E-07	2.38E-04	2.72E-08	3.43E-09
POINT	STCK26	B011149	1.01E-04	2.02E-01	2.31E-05	2.91E-06
POINT	S063	B011150	1.02E-05	2.04E-02	2.33E-06	2.94E-07
POINT	STCK19	B011171	5.58E-06	1.12E-02	1.27E-06	1.61E-07
POINT	STCK20	B011172	5.58E-06	1.12E-02	1.27E-06	1.61E-07
POINT	S038	B011795	2.32E-06	4.64E-03	5.30E-07	6.68E-08
POINT	STCK5	B012211	3.86E-06	7.72E-03	8.81E-07	1.11E-07
POINT	STCK11	B012215	1.61E-06	3.22E-03	3.68E-07	4.64E-08
POINT	S052	B012318	8.98E-09	1.80E-05	2.05E-09	2.59E-10
POINT	S053	B012346	2.35E-06	4.70E-03	5.37E-07	6.77E-08
POINT	S082	B012442	4.94E-07	9.88E-04	1.13E-07	1.42E-08
POINT	S083	B012495	6.43E-07	1.29E-03	1.47E-07	1.85E-08
POINT	S065	B012706	2.00E-06	4.00E-03	4.57E-07	5.76E-08
POINT	STCK2	B013074	2.39E-06	4.78E-03	5.46E-07	6.88E-08
POINT	STCK9	B013075	1.97E-06	3.94E-03	4.50E-07	5.67E-08
POINT	STCK4	B013076	3.56E-06	7.12E-03	8.13E-07	1.03E-07
POINT	STCK10	B013077	2.35E-06	4.70E-03	5.37E-07	6.77E-08
VOLUME	VOL140	B013450	2.29E-09	4.58E-06	5.23E-10	6.59E-11
POINT	STCK39	B013500, #2	5.29E-06	1.06E-02	1.21E-06	1.52E-07
POINT	STCK38	B013503, #1	1.14E-06	2.28E-03	2.60E-07	3.28E-08
POINT	S014	E004791	1.20E-06	2.40E-03	2.74E-07	3.46E-08
POINT	STCK41	E007880	7.39E-06	1.48E-02	1.69E-06	2.13E-07
POINT	S044	E007881	2.44E-06	4.88E-03	5.57E-07	7.03E-08
POINT	S045	E007882	7.19E-06	1.44E-02	1.64E-06	2.07E-07
POINT	S050	E007902	9.78E-07	1.96E-03	2.23E-07	2.82E-08
POINT	STCK7	E008301	3.29E-07	6.58E-04	7.51E-08	9.47E-09
POINT	S033	E008302	1.61E-06	3.22E-03	3.68E-07	4.64E-08
POINT	S019	E008303	1.44E-07	2.88E-04	3.29E-08	4.15E-09
POINT	S024	E008304	1.44E-07	2.88E-04	3.29E-08	4.15E-09
POINT	S042	E008306	2.45E-06	4.90E-03	5.59E-07	7.05E-08
POINT	STCK1	E008363	3.67E-07	7.34E-04	8.38E-08	1.06E-08
POINT	STCK3	E008364	3.98E-07	7.96E-04	9.09E-08	1.15E-08
POINT	STCK6	E008366	1.66E-06	3.32E-03	3.79E-07	4.78E-08
VOLUME	VOL2	E008455	3.58E-06	7.16E-03	8.17E-07	1.03E-07
POINT	S032	E008721	1.25E-07	2.50E-04	2.85E-08	3.60E-09
POINT	S036	E008747	2.47E-06	4.94E-03	5.64E-07	7.11E-08
POINT	S004	E008864	5.24E-07	1.05E-03	1.20E-07	1.51E-08
POINT	S034	E008865	1.21E-06	2.42E-03	2.76E-07	3.48E-08
POINT	S006	E009197	4.76E-07	9.52E-04	1.09E-07	1.37E-08
POINT	S010	E009228	2.02E-07	4.04E-04	4.61E-08	5.82E-09
POINT	S011	E009229	4.91E-07	9.82E-04	1.12E-07	1.41E-08

Table 4-2. Modelled Sources and Emissions Rates

Туре	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
POINT	STCK45	E009230	1.22E-09	2.44E-06	2.79E-10	3.51E-11
POINT	S013	E009374	1.91E-06	3.82E-03	4.36E-07	5.50E-08
POINT	S022	E009418	3.29E-06	6.58E-03	7.51E-07	9.47E-08
POINT	S056	E009830	6.75E-07	1.35E-03	1.54E-07	1.94E-08
POINT	STCK31	E009928	7.83E-07	1.57E-03	1.79E-07	2.25E-08
POINT	STCK42	E010069	2.49E-06	4.98E-03	5.68E-07	7.17E-08
POINT	S047	E010769	8.03E-07	1.61E-03	1.83E-07	2.31E-08
POINT	S017	E010770	4.02E-07	8.04E-04	9.18E-08	1.16E-08
POINT	S035	E010771	3.40E-07	6.80E-04	7.76E-08	9.79E-09
POINT	S016	E010772	5.76E-07	1.15E-03	1.32E-07	1.66E-08
POINT	S009	E010773	1.05E-07	2.10E-04	2.40E-08	3.02E-09
POINT	STCK14	E011145	1.73E-06	3.46E-03	3.95E-07	4.98E-08
POINT	STCK29	E011168	5.85E-06	1.17E-02	1.34E-06	1.68E-07
POINT	STCK27	E011214	9.38E-07	1.88E-03	2.14E-07	2.70E-08
POINT	STCK28	E011215	1.77E-05	3.54E-02	4.04E-06	5.10E-07
POINT	S005	E011292	2.02E-06	4.04E-03	4.61E-07	5.82E-08
POINT	STCK30	E011427	5.48E-07	1.10E-03	1.25E-07	1.58E-08
POINT	S020	E011446	2.80E-07	5.60E-04	6.39E-08	8.06E-09
POINT	STCK15	E011951	1.59E-05	3.18E-02	3.63E-06	4.58E-07
POINT	STCK12	E011973	3.92E-06	7.84E-03	8.95E-07	1.13E-07
POINT	STCK8	E012073	3.77E-07	7.54E-04	8.61E-08	1.09E-08
POINT	S037	E012074	2.11E-06	4.22E-03	4.82E-07	6.08E-08
POINT	STCK34	E012424	4.45E-07	8.90E-04	1.02E-07	1.28E-08
POINT	S028	E012425	2.89E-06	5.78E-03	6.60E-07	8.32E-08
POINT	S029	E012426	3.65E-06	7.30E-03	8.33E-07	1.05E-07
POINT	S030	E012427	3.43E-06	6.86E-03	7.83E-07	9.88E-08
POINT	STCK43	E012623	7.11E-07	1.42E-03	1.62E-07	2.05E-08
POINT	STCK35	Exempt00	1.09E-05	2.18E-02	2.49E-06	3.14E-07
POINT	STCK36	Exempt2	9.39E-07	1.88E-03	2.14E-07	2.70E-08
VOLUME	VOL6	Exempt26	1.13E-05	2.26E-02	2.58E-06	3.25E-07
POINT	STCK44	Exempt30 - Tactical Support Equipment, JP8	7.52E-04	1.50E+00	1.72E-04	2.17E-05
VOLUME	VOL141	Exempt5 - 1.0% of usage	4.05E-09	8.10E-06	9.25E-10	1.17E-10
VOLUME	VOL7	Exempt5 - 28.2% of usage	1.14E-07	2.28E-04	2.61E-08	3.29E-09
VOLUME	VOL142	Exempt5 - 70.7% of usage	2.86E-07	5.73E-04	6.54E-08	8.24E-09
VOLUME	VOL143	Exempt59 - Tactical Vehicles, JP8	5.32E-02	1.06E+02	1.21E-02	1.53E-03
VOLUME	VOL8	Exempt6	1.23E-07	2.46E-04	2.81E-08	3.54E-09
VOLUME	VOL9	Exempt65	2.25E-05	4.50E-02	5.14E-06	6.48E-07
POINT	STCK37	Exempt97	4.51E-06	9.02E-03	1.03E-06	1.30E-07
POINT	S046	Exempt98	1.82E-07	3.64E-04	4.16E-08	5.24E-09
POINT	S049	Exempt99	1.54E-05	3.08E-02	3.52E-06	4.43E-07
POINT	S027	M003239	8.92E-07	1.78E-03	2.04E-07	2.57E-08
POINT	STCK17	M011794	2.32E-06	4.64E-03	5.30E-07	6.68E-08
VOLUME	VOL77	VOL_AM_01	1.75E-03	3.50E+00	4.00E-04	5.04E-05

Table 4-2. Modelled Sources and Emissions Rates

Type	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
VOLUME	VOL78	VOL_AM_02	1.75E-03	3.50E+00	4.00E-04	5.04E-05
VOLUME	VOL79	VOL_AM_03	1.75E-03	3.50E+00	4.00E-04	5.04E-05
VOLUME	VOL80	VOL_AM_04	1.75E-03	3.50E+00	4.00E-04	5.04E-05
VOLUME	VOL81	VOL_AM_05	1.75E-03	3.50E+00	4.00E-04	5.04E-05
VOLUME	VOL48	VOL BL 01	4.14E-03	8.28E+00	9.45E-04	1.19E-04
VOLUME	VOL49	VOL BL 02	4.14E-03	8.28E+00	9.45E-04	1.19E-04
VOLUME	VOL50	VOL BL 03	4.14E-03	8.28E+00	9.45E-04	1.19E-04
VOLUME	VOL51	VOL_BL_04	4.14E-03	8.28E+00	9.45E-04	1.19E-04
VOLUME	VOL52	VOL BL 05	4.14E-03	8.28E+00	9.45E-04	1.19E-04
VOLUME	VOL43	VOL_DE_01	5.24E-03	1.05E+01	1.20E-03	1.51E-04
VOLUME	VOL44	VOL DE 02	5.24E-03	1.05E+01	1.20E-03	1.51E-04
VOLUME	VOL45	VOL_DE_03	5.24E-03	1.05E+01	1.20E-03	1.51E-04
VOLUME	VOL46	VOL DE 04	5.24E-03	1.05E+01	1.20E-03	1.51E-04
VOLUME	VOL47	VOL DE 05	5.24E-03	1.05E+01	1.20E-03	1.51E-04
VOLUME	VOL129	VOL EL 01	1.20E-04	2.39E-01	2.73E-05	3.44E-06
VOLUME	VOL130	VOL EL 02	1.20E-04	2.39E-01	2.73E-05	3.44E-06
VOLUME	VOL131	VOL EL 03	1.20E-04	2.39E-01	2.73E-05	3.44E-06
VOLUME	VOL132	VOL EL 04	1.20E-04	2.39E-01	2.73E-05	3.44E-06
VOLUME	VOL133	VOL EL 05	1.20E-04	2.39E-01	2.73E-05	3.44E-06
VOLUME	VOL33	VOL GP 01	5.78E-03	1.16E+01	1.32E-03	1.66E-04
VOLUME	VOL34	VOL GP 02	5.78E-03	1.16E+01	1.32E-03	1.66E-04
VOLUME	VOL35	VOL GP 03	5.78E-03	1.16E+01	1.32E-03	1.66E-04
VOLUME	VOL36	VOL GP 04	5.78E-03	1.16E+01	1.32E-03	1.66E-04
VOLUME	VOL37	VOL_GP_05	5.78E-03	1.16E+01	1.32E-03	1.66E-04
VOLUME	VOL28	VOL_LA_01	9.24E-04	1.85E+00	2.11E-04	2.66E-05
VOLUME	VOL29	VOL_LA_02	9.24E-04	1.85E+00	2.11E-04	2.66E-05
VOLUME	VOL30	VOL_LA_03	9.24E-04	1.85E+00	2.11E-04	2.66E-05
VOLUME	VOL31	VOL_LA_04	9.24E-04	1.85E+00	2.11E-04	2.66E-05
VOLUME	VOL32	VOL_LA_05	9.24E-04	1.85E+00	2.11E-04	2.66E-05
VOLUME	VOL38	VOL_LL_01	8.74E-03	1.75E+01	2.00E-03	2.52E-04
VOLUME	VOL39	VOL_LL_02	8.74E-03	1.75E+01	2.00E-03	2.52E-04
VOLUME	VOL40	VOL_LL_03	8.74E-03	1.75E+01	2.00E-03	2.52E-04
VOLUME	VOL41	VOL_LL_04	8.74E-03	1.75E+01	2.00E-03	2.52E-04
VOLUME	VOL42	VOL_LL_05	8.74E-03	1.75E+01	2.00E-03	2.52E-04
VOLUME	VOL58	VOL_LM_01	2.58E-03	5.16E+00	5.89E-04	7.43E-05
VOLUME	VOL59	VOL_LM_02	2.58E-03	5.16E+00	5.89E-04	7.43E-05
VOLUME	VOL60	VOL_LM_03	2.58E-03	5.16E+00	5.89E-04	7.43E-05
VOLUME	VOL61	VOL_LM_04	2.58E-03	5.16E+00	5.89E-04	7.43E-05
VOLUME	VOL62	VOL_LM_05	2.58E-03	5.16E+00	5.89E-04	7.43E-05
VOLUME	VOL99	VOL_MM_01	2.50E-03	5.00E+00	5.71E-04	7.20E-05
VOLUME	VOL100	VOL_MM_02	5.00E-04	1.00E+00	1.14E-04	1.44E-05
VOLUME	VOL101	VOL_MM_03	5.00E-04	1.00E+00	1.14E-04	1.44E-05
VOLUME	VOL102	VOL_MM_04	5.00E-04	1.00E+00	1.14E-04	1.44E-05
VOLUME	VOL103	VOL_MM_05	5.00E-04	1.00E+00	1.14E-04	1.44E-05
VOLUME	VOL113	VOL_MTU_R1A_01	6.70E-04	1.34E+00	1.53E-04	1.93E-05

Table 4-2. Modelled Sources and Emissions Rates

Type	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
VOLUME	VOL114	VOL_MTU_R1A_02	6.70E-04	1.34E+00	1.53E-04	1.93E-05
VOLUME	VOL115	VOL_MTU_R1A_03	6.70E-04	1.34E+00	1.53E-04	1.93E-05
VOLUME	VOL63	VOL MW 01	2.56E-03	5.12E+00	5.84E-04	7.37E-05
VOLUME	VOL64	VOL_MW_02	2.56E-03	5.12E+00	5.84E-04	7.37E-05
VOLUME	VOL65	VOL MW 03	2.56E-03	5.12E+00	5.84E-04	7.37E-05
VOLUME	VOL66	VOL_MW_04	2.56E-03	5.12E+00	5.84E-04	7.37E-05
VOLUME	VOL67	VOL MW 05	2.56E-03	5.12E+00	5.84E-04	7.37E-05
VOLUME	VOL20	VOL_NP_01	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL21	VOL NP 02	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL22	VOL_NP_03	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL23	VOL NP 04	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL24	VOL_NP_05	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL25	VOL NP 06	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL26	VOL_NP_07	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL27	VOL_NP_08	1.39E-02	2.78E+01	3.17E-03	3.99E-04
VOLUME	VOL54	VOL_PR_01	3.94E-03	7.88E+00	9.00E-04	1.13E-04
VOLUME	VOL53	VOL_PR_02	3.94E-03	7.88E+00	9.00E-04	1.13E-04
VOLUME	VOL55	VOL_PR_03	3.94E-03	7.88E+00	9.00E-04	1.13E-04
VOLUME	VOL56	VOL_PR_04	3.94E-03	7.88E+00	9.00E-04	1.13E-04
VOLUME	VOL57	VOL_PR_05	3.94E-03	7.88E+00	9.00E-04	1.13E-04
VOLUME	VOL10	VOL_QB_01	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL11	VOL_QB_02	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL12	VOL_QB_03	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL13	VOL_QB_04	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL14	VOL_QB_05	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL15	VOL_QB_06	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL16	VOL_QB_07	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL17	VOL_QB_08	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL18	VOL_QB_09	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL19	VOL_QB_10	3.32E-02	6.64E+01	7.58E-03	9.56E-04
VOLUME	VOL116	VOL_R-051_01	5.63E-04	1.13E+00	1.29E-04	1.62E-05
VOLUME	VOL117	VOL_R-051_02	5.63E-04	1.13E+00	1.29E-04	1.62E-05
VOLUME	VOL118	VOL_R-051_03	5.63E-04	1.13E+00	1.29E-04	1.62E-05
VOLUME	VOL123	VOL_R-101_01	2.54E-04	5.08E-01	5.80E-05	7.31E-06
VOLUME	VOL124	VOL_R-101_02	2.54E-04	5.08E-01	5.80E-05	7.31E-06
VOLUME	VOL125	VOL_R-101_03	2.54E-04	5.08E-01	5.80E-05	7.31E-06
VOLUME	VOL134	VOL_R-105A_01	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL135	VOL_R-105A_02	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL136	VOL_R-105A_03	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL96	VOL_R-106_01	1.02E-03	2.03E+00	2.32E-04	2.93E-05
VOLUME	VOL97	VOL_R-106_02	1.02E-03	2.03E+00	2.32E-04	2.93E-05
VOLUME	VOL98	VOL_R-106_03	1.02E-03	2.03E+00	2.32E-04	2.93E-05
VOLUME	VOL85	VOL_R-106A_01	6.36E-03	1.27E+01	1.45E-03	1.83E-04
VOLUME	VOL126	VOL_R-108_01	1.99E-04	3.99E-01	4.55E-05	5.74E-06
VOLUME	VOL127	VOL_R-108_02	1.99E-04	3.99E-01	4.55E-05	5.74E-06

Table 4-2. Modelled Sources and Emissions Rates

Type	ID	Description	Pb (tpy)	Pb (lbs/yr)	Pb (lbs/hr)	Emissions Rate (g/s)
VOLUME	VOL128	VOL_R-108_03	1.99E-04	3.99E-01	4.55E-05	5.74E-06
VOLUME	VOL93	VOL_R-109_01	1.09E-03	2.17E+00	2.48E-04	3.13E-05
VOLUME	VOL94	VOL_R-109_02	1.09E-03	2.17E+00	2.48E-04	3.13E-05
VOLUME	VOL95	VOL_R-109_03	1.09E-03	2.17E+00	2.48E-04	3.13E-05
VOLUME	VOL82	VOL_R-110_01	2.68E-03	5.37E+00	6.13E-04	7.73E-05
VOLUME	VOL83	VOL_R-110_02	2.68E-03	5.37E+00	6.13E-04	7.73E-05
VOLUME	VOL84	VOL_R-110_03	2.68E-03	5.37E+00	6.13E-04	7.73E-05
VOLUME	VOL137	VOL_R-112_01	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL138	VOL_R-112_02	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL139	VOL_R-112_03	1.81E-04	3.63E-01	4.14E-05	5.22E-06
VOLUME	VOL90	VOL_R-113_01	1.23E-03	2.47E+00	2.82E-04	3.55E-05
VOLUME	VOL91	VOL_R-113_02	1.23E-03	2.47E+00	2.82E-04	3.55E-05
VOLUME	VOL92	VOL_R-113_03	1.23E-03	2.47E+00	2.82E-04	3.55E-05
VOLUME	VOL104	VOL_R-114_01	8.17E-04	1.63E+00	1.86E-04	2.35E-05
VOLUME	VOL105	VOL_R-114_02	8.17E-04	1.63E+00	1.86E-04	2.35E-05
VOLUME	VOL106	VOL_R-114_03	8.17E-04	1.63E+00	1.86E-04	2.35E-05
VOLUME	VOL86	VOL_R-210_01	4.57E-03	9.14E+00	1.04E-03	1.32E-04
VOLUME	VOL119	VOL_R-230_01	1.14E-03	2.28E+00	2.60E-04	3.28E-05
VOLUME	VOL71	VOL_R-400_01	3.14E-03	6.27E+00	7.16E-04	9.03E-05
VOLUME	VOL72	VOL_R-400_02	3.14E-03	6.27E+00	7.16E-04	9.03E-05
VOLUME	VOL73	VOL_R-400_03	3.14E-03	6.27E+00	7.16E-04	9.03E-05
VOLUME	VOL121	VOL_R-410_01	4.35E-04	8.70E-01	9.93E-05	1.25E-05
VOLUME	VOL122	VOL_R-410_02	4.35E-04	8.70E-01	9.93E-05	1.25E-05
VOLUME	VOL74	VOL_R-410A_01	3.10E-03	6.20E+00	7.08E-04	8.93E-05
VOLUME	VOL75	VOL_R-410A_02	3.10E-03	6.20E+00	7.08E-04	8.93E-05
VOLUME	VOL76	VOL_R-410A_03	3.10E-03	6.20E+00	7.08E-04	8.93E-05
VOLUME	VOL68	VOL_R-500_01	4.23E-03	8.47E+00	9.67E-04	1.22E-04
VOLUME	VOL69	VOL_R-500_02	4.23E-03	8.47E+00	9.67E-04	1.22E-04
VOLUME	VOL70	VOL_R-500_03	4.23E-03	8.47E+00	9.67E-04	1.22E-04
VOLUME	VOL108	VOL_RC_01	4.24E-04	8.48E-01	9.68E-05	1.22E-05
VOLUME	VOL109	VOL_RC_02	4.24E-04	8.48E-01	9.68E-05	1.22E-05
VOLUME	VOL110	VOL_RC_03	4.24E-04	8.48E-01	9.68E-05	1.22E-05
VOLUME	VOL111	VOL_RC_04	4.24E-04	8.48E-01	9.68E-05	1.22E-05
VOLUME	VOL112	VOL_RC_05	4.24E-04	8.48E-01	9.68E-05	1.22E-05
VOLUME	VOL87	VOL_R-MTU_R1_01	1.50E-03	3.01E+00	3.43E-04	4.33E-05
VOLUME	VOL88	VOL_R-MTU_R1_02	1.50E-03	3.01E+00	3.43E-04	4.33E-05
VOLUME	VOL89	VOL_R-MTU_R1_03	1.50E-03	3.01E+00	3.43E-04	4.33E-05
VOLUME	VOL107	VOL_R-MTU_R2_01	2.18E-03	4.36E+00	4.98E-04	6.28E-05
VOLUME	VOL120	VOL_R-MTU_R3A_01	9.25E-04	1.85E+00	2.11E-04	2.66E-05

4.3 BUILDING DOWNWASH

The Building Profile Input Program was used to provide building downwash input to AERMOD following the EPA "Guideline For Determination Of Good Engineering Practice Stack Height (Technical Support Document For The Stack Height Regulations" (06/01/1985, EPA-450/4-80-023R).

4.4 UNIVERSAL TRANSVERSE MERCATOR (UTM) COORDINATE SYSTEM

The Datum World Geodetic System 1984 (WGS84), UTM Zone 11.

4.5 RECEPTOR ARRAY

A Cartesian Grid was sufficiently dense in resolution to identify the maximum off-property impacts including the fence line. Due to the large perimeter, which is approximately 200 miles, an initial coarse grid spacing of 500 meters was used along the fence line and 1000-meter spacing for the site domain. After the initial modeling run, a refined grid was evaluated, consisting of 100-meter spacing along the fence line and 500-meter spacing outside of the site boundary from where the primary emission sources are located including those nearer to the fence line. A supplemental evaluation, conservatively assuming all explosive detonations were within 6 meters for the initial volume source dimensions, applied a fence line grid of 100-meter resolution out to a distance of 500 meters.

- Coarse Grid (Detonations 9 Meters) 500 meter fence line spacing and 1000 meter spacing for the site domain.
- Fine Grid (Detonations 9 Meters) 100 meter fence line spacing and 500 meter spacing beyond
 the site boundary where the sources are located including those closer to the fence line and where
 the highest concentrations were identified as noted in EPA's comments [Tsui, W.G.(2024) E-mail to
 Jorge Rodriguez, 01 May].
- Fine Grid (Detonations 6 Meters) 100 meter fence line grid resolution out to a distance of 500 meters.

4.6 MONITORING SITE BACKGROUND CONCENTRATION

Ambient background Pb concentrations (ug/m3) at local conditions (local temperature and pressure, LC) were obtained from the EPA Air Quality System (AQS). The nearest locations, summarized in Table 4-3, are San Bernardino and Rubidoux, approximately 55 and 65 miles southwest of the Facility, respectively. The Daily Mean Pb Concentrations listed as "0" (3.3% of San Bernardino and 2.0% of the Rubidoux site total population of concentration samples collected from 2015-2020) were removed from the calculated monthly average. The maximum 3-Month Moving Average equal to 0.011 ug/m3, within the 5 years of monitoring data, occurred at the San Bernardino site in November 2019. Refer to Table 4-4 and 4-5 for a summary of Pb monitoring site background concentrations from San Bernardino and Rubidoux, respectively.

Table 4-3. EPA AQS Pb Concentration (ug/m3) Monitoring Stations

Station Name Site ID County Latitude Longitude Data Frequency

San Bernardino 1	60719004	San Bernardino	34.106678	-117.274063	Daily Mean (6 Day Intervals)
Rubidoux ²	60658001	Riverside	33.99958	-117.41601	Daily Mean (6 Day Intervals)

Source: https://www.epa.gov/outdoor-air-quality-data ¹ Area Wide Site ² National Core (NCore) Site Note: AQS Data Sites Urban Influence

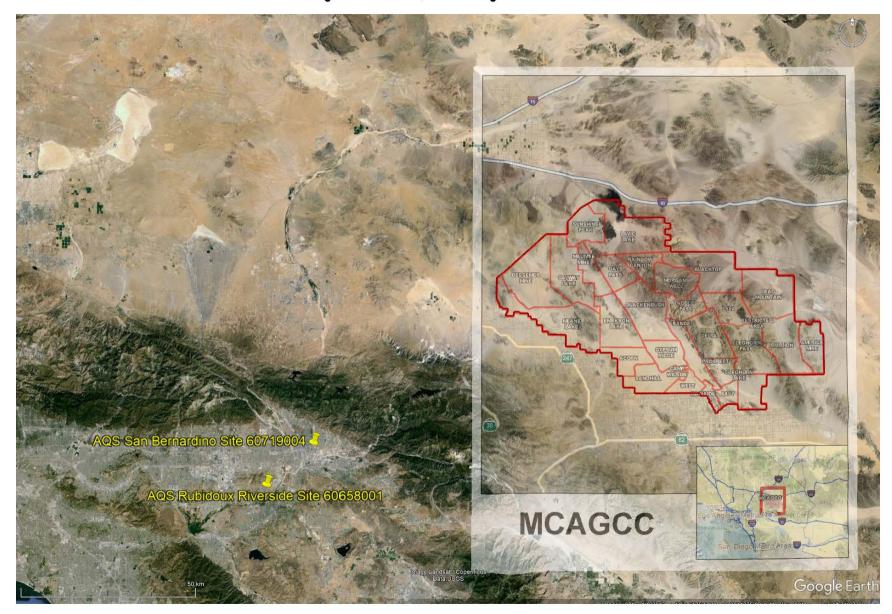


Figure 4-1. EPA AQS Monitoring Site Locations

Table 4-4. Pb Monitoring Site Background Concentrations (ug/m3) San Bernardino

San Bernardino	2015	5	20	16	20	17	20	18	20	19	20)20
Month	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average
January	0.002		0.008	0.00	0.005		0.006		0.004		0.008	
February	0.007		0.008		0.003		0.007		0.004		0.006	
March	0.006	0.005	0.005	0.007	0.006	0.005	0.004	0.006	0.003	0.003	0.003	0.005
April	0.005	0.006	0.006	0.006	0.008	0.006	0.006	0.006	0.008	0.005	No Data	
Мау	0.005	0.005	0.005	0.005	0.006	0.007	0.004	0.005	0.003	0.005	No Data	
June	0.009	0.006	0.008	0.006	0.007	0.007	0.005	0.005	0.005	0.006	No Data	
July	0.005	0.006	0.010	0.008	0.007	0.007	0.008	0.006	0.005	0.005	0.005	
August	0.007	0.007	0.007	0.008	0.010	0.008	0.008	0.007	0.006	0.006	0.010	
September	0.008	0.007	0.010	0.009	0.005	0.007	0.007	0.007	0.009	0.007	0.009	0.008
October	0.006	0.007	0.007	0.008	0.008	0.008	0.006	0.007	0.013	0.009	0.009	0.009
November	0.007	0.007	0.007	0.008	0.008	0.007	0.007	0.007	0.009	0.011	0.009	0.009
December	0.012	0.008	0.005	0.006	0.010	0.009	0.006	0.006	0.005	0.009	0.007	0.008
	Maximum Pb (ug/m3)	0.008		0.009		0.009		0.007		0.011		0.009

Table 4-5. Pb Monitoring Site Background Concentrations (ug/m3) Rubidoux

Rubidoux	Rubidoux 2015		20	2016 2017		2018		2019		2020		
Month	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average	Monthly Average	3-Month Moving Average
January	0.006		0.003		0.004		0.006		0.005		0.006	
February	0.004		0.003		0.003		0.005		0.006		0.005	
March	0.004	0.005	0.004	0.004	0.005	0.004	0.004	0.005	0.002	0.004	0.002	0.004
April	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.005	0.003	0.004	No Data	
Мау	0.002	0.003	0.004	0.005	0.005	0.005	0.003	0.004	0.003	0.003	No Data	
June	0.006	0.004	0.005	0.005	0.004	0.005	0.005	0.004	0.005	0.004	No Data	
July	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.004	0.004	0.004	0.004	
August	0.005	0.005	0.005	0.006	0.007	0.005	0.005	0.005	0.006	0.005	0.005	
September	0.008	0.006	0.006	0.006	0.004	0.005	0.006	0.005	0.006	0.005	0.008	0.006
October	0.005	0.006	0.007	0.006	0.008	0.006	0.006	0.006	0.008	0.007	0.008	0.007
November	0.008	0.007	0.007	0.006	0.007	0.007	0.009	0.007	0.006	0.006	0.016	0.010
December	0.005	0.006	0.005	0.006	0.008	0.008	0.007	0.007	0.005	0.006	0.008	0.010
	Maximum Pb (ug/m3)	0.007		0.006		0.008		0.007		0.007		0.010

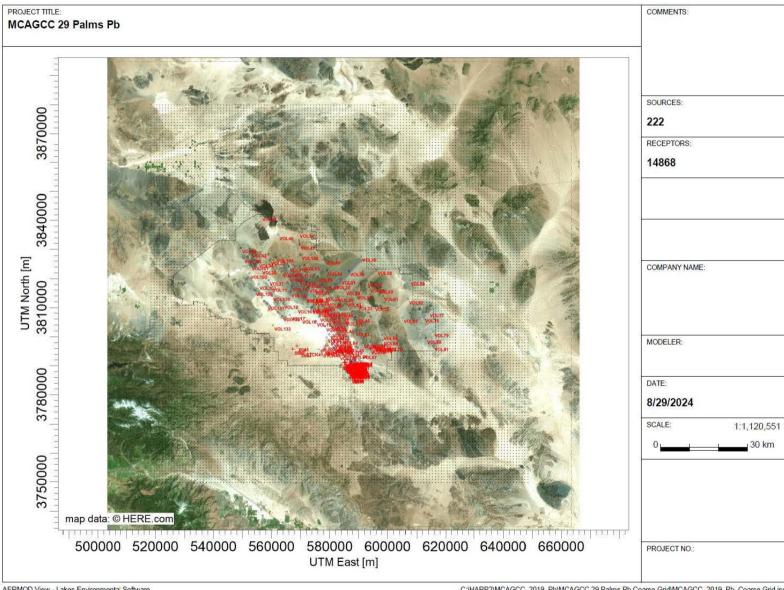
4.7 SOURCE MODELLED CONCENTRATIONS

The source modelled overall 3-Month Maximum Averaged Concentration Design Value (Table 4-6) was generated using the AERMOD monthly averaging period and then each meteorological year (2015, 2016, 2018, 2019, 2020) post-processed with the EPA LEADPOST (version 13262) utility. Figure 4-2 is the Site Domain Coarse Grid and Figures 4-3 through 4-6 display the source modelled maximum Pb concentrations.

Table 4-6. LEADPOST 3-Month Maximum Averaged Concentration (ug/m3)

Modelling Evaluation	Maximum UTM Cod		Year	Month	3-Month Maximum Pb Concentration (ug/m3)	
9 Meter Detonation Sources	596180 E	3823320 N	2015	March	0.00161	
6 Meter Detonation Sources	596180 E	3823320 N	2015	March	0.00175	

Figure 4-2. Site Domain Coarse Grid



AERMOD View - Lakes Environmental Software

C:\HARP2\MCAGCC_2019_Pb\MCAGCC 29 Palms Pb Coarse Grid\MCAGCC_2019_Pb_Coarse Grid.isc

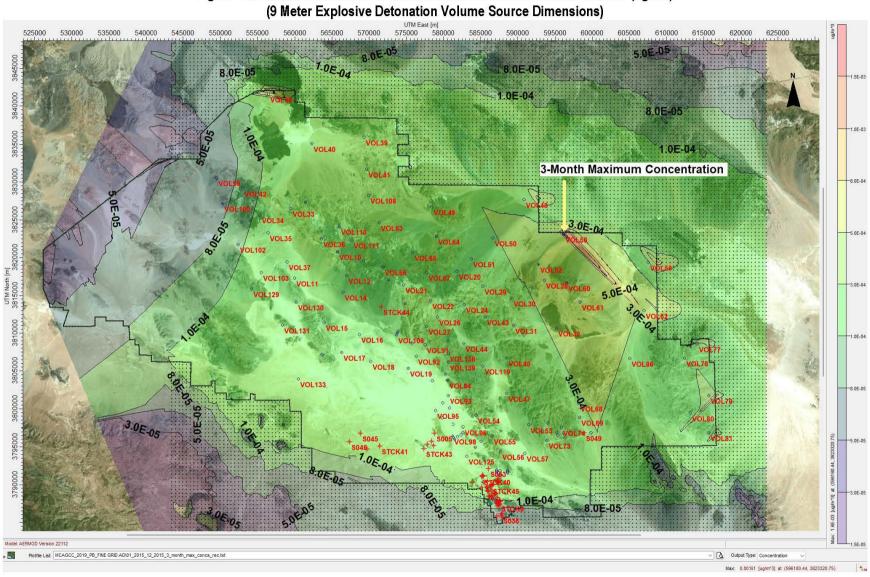


Figure 4-3. Source Modelled 3-Month Maximum Pb Concentrations Contour (ug/m3) (9 Meter Explosive Detonation Volume Source Dimensions)

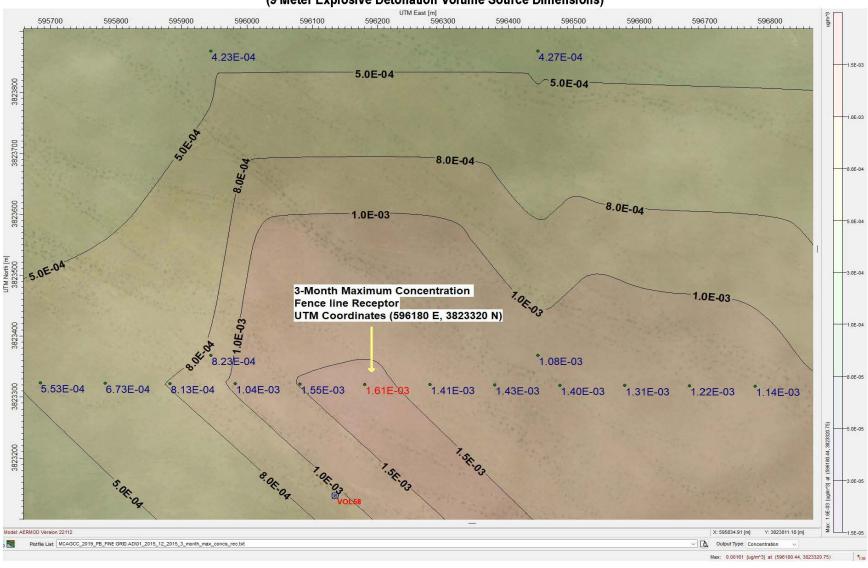


Figure 4-4. Source Modelled 3-Month Maximum Pb Concentration Receptor (ug/m3) (9 Meter Explosive Detonation Volume Source Dimensions)

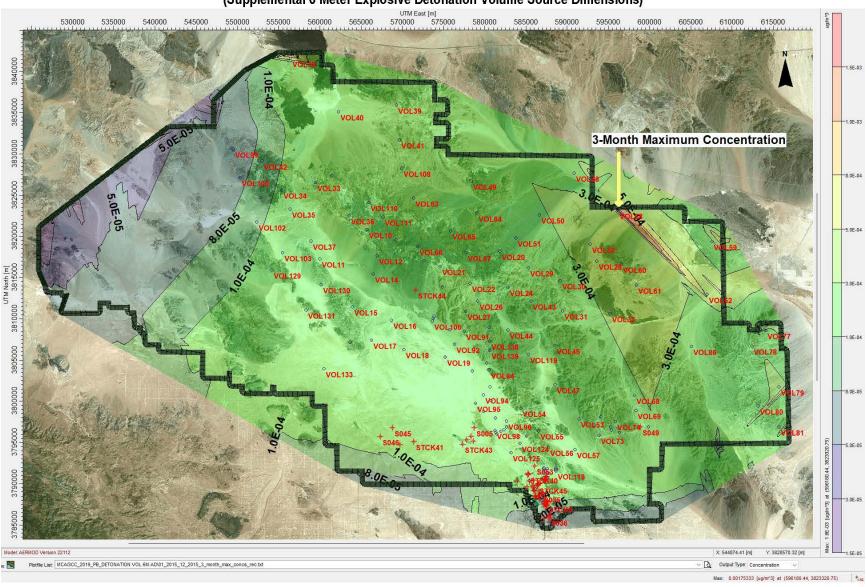


Figure 4-5. Source Modelled 3-Month Maximum Pb Concentration Contour (ug/m3) (Supplemental 6 Meter Explosive Detonation Volume Source Dimensions)

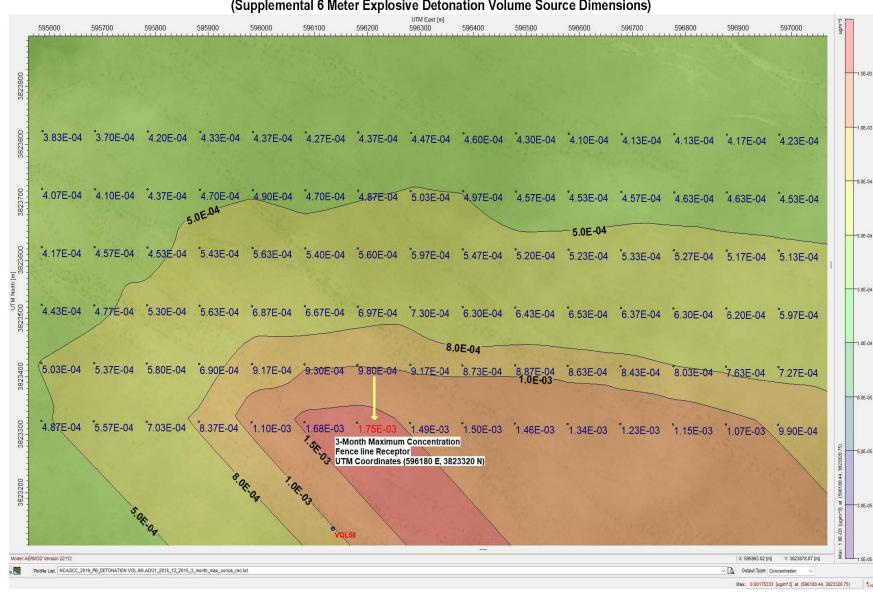


Figure 4-6. Source Modelled 3-Month Maximum Pb Concentration Receptor (ug/m3) (Supplemental 6 Meter Explosive Detonation Volume Source Dimensions)

4.8 SUMMARY OF RESULTS

The overall 3-Month Maximum Averaged Concentration receptor and maximum 3-Month Moving Average background concentration are shown in Tables 4-7 and 4-8 below. The results, including the supplemental modelling evaluation, are well below 50% of the National Ambient Air Quality Standards (NAAQS) threshold of 0.15 ug/m3.

Table 4-7. MCAGCC Twentynine Palms Maximum Pb Concentration (9 Meter Explosive Detonation Volume Source Dimensions)

	m Location oordinates	Source 3-Month Maximum Average Concentration (ug/m3)	Background 3-Month Moving Average Maximum Concentration (ug/m3)	Source + Background 3-Month Maximum Concentration (ug/m3)	Percent of NAAQS 3-Month Maximum (0.15 ug/m3)
596180 E	3823320 N	0.0016	0.011	0.0126	8.4

Table 4-8. MCAGCC Twentynine Palms Maximum Pb Concentration (Supplemental 6 Meter Explosive Detonation Volume Source Dimensions)

	um Location Coordinates	Source 3-Month Maximum Average Concentration (ug/m3)	Background 3-Month Moving Average Maximum Concentration (ug/m3)	Source + Background 3-Month Maximum Concentration (ug/m3)	Percent of NAAQS 3-Month Maximum (0.15 ug/m3)
596180 E	3823320 N	0.0018	0.011	0.0128	8.5

5 REFERENCES

AB 2588. 2007. Emission Inventory Criteria and Guidelines Report for the Air Toxics "Hot Spots" Program, 27 August.

CARB. 2020. Hotspots Analysis and Reporting Program.

EPA. 1995. White Paper for Streamlined Development of Part 70 Permit Applications. July 10.

EPA. 2002. Code of Federal Regulations, 40 CFR 51, Consolidated Emissions Reporting Rule.

MDAQMD. 2020. Comprehensive Emissions Inventory Guidelines.

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April 18, 2025

Christian Anderson
Planning/Air Monitoring Supervisor
Mojave Desert Air Quality Management District
14306 Park Avenue
Victorville, CA 92392

Dear Supervisor Anderson:

This letter provides the U.S. Environmental Protection Agency's (EPA) review and approval for the Mojave Desert Air Quality Management District's (MDAQMD) request to waive lead (Pb) monitoring near Pb sources emitting 0.5 or more tons per year for the Marine Corps Air Ground Combat Center (MCAGCC) source in Twentynine Palms, CA. Pb monitoring is required when sources may contribute to a Pb concentration that exceeds the 2008 Pb National Ambient Air Quality Standards (NAAQS), however, per 40 CFR 58 Appendix D, Section 4.5(a)(ii), the EPA may waive the monitoring requirement if "the State or, where appropriate, or local agency can demonstrate the Pb source will not contribute to a maximum Pb concentration in ambient air in excess of 50 percent of the NAAQS (based on historical monitoring data, modeling, or other means)."

To support this request, MDAQMD provided detailed a modeling report for this facility. MDAQMD used the most recent version of AERMOD available at the time modeling work commenced (23132), which is an EPA-preferred dispersion model, to quantify facility contributions to ambient Pb concentrations. A total of 90 sources were identified to emit Pb and were modeled in AERMOD. Although most of these sources were combustion sources, such as engines and boilers, approximately 93% of Pb emissions originate from munitions at training ranges around the facility. These detonations were modeled as continuous releases to account for temporal variations in meteorology and as volume sources at both six and nine meters, covering a range of possible release heights. Meteorological data from Barstow-Daggett Airport station were used, as it was determined to be the most representative station. Due to the large area of the facility, two separate AERSURFACE evaluations were utilized to assess land use characteristics. Receptors were appropriately placed at a finer resolution of 100 meters spacing along the fence line and at coarser resolutions further from facility boundaries. The highest three-month averaged concentration, including the background concentration, across all AERMOD simulations was modeled to be 0.0128 µg/m³. This is 8.5% of the current 2008 3-month Pb NAAQS, which is set at 0.15 µg/m³ Pb. Based on this analysis, the EPA has determined that the waiver request demonstrates the MCAGCC facility will not contribute to a maximum Pb concentration in ambient air in excess of 50 percent of the NAAQS. Therefore, in accordance with 40 CFR part 58, appendix D, section 4.5(a)(ii), EPA approves a waiver for the ambient air Pb monitoring near this source which would have otherwise been required by 40 CFR part 58, appendix D, section 4.5(a).

Please include the waiver request and this enclosure in next year's California Air Resources Board (CARB) annual network plan and per 40 CFR §58.10(b)(10), in all future annual network plans, include the date the waiver was approved. Finally, please note that per 40 CFR 58 Appendix D, Section 4.5(a)(ii) this waiver needs to be renewed every 5 years as part of the network assessment.

If you have any questions regarding this letter, please feel free to contact me at 415-972-3134 or Julia Carlstad at (415) 947-4107.

Sincerely,

Vallano, Dena Digitally signed by Vallano, Dena Date: 2025.04.18 08:11:07-07'00'

Dena Vallano, Manager Monitoring and Analysis Section Air and Radiation Division

cc (via email): Alan De Salvio, MDAQMD

Sheri Haggard, MDAQMD Alicia Kindred, CARB Ariel Fideldy, CARB

Jin Xu, CARB

Melanie Levesque, CARB

Mike Ellitt, Marine Corps Air Ground Combat Center (MCAGCC)



May 23, 2024

Kathleen Gill
Chief, Air Quality Surveillance Branch
California Air Resources Board
4001 Iowa Avenue
P.O. Box 550099
Riverside, California 92507

Dear Kathleen Gill:

This letter provides U.S. Environmental Protection Agency's (EPA) review and approval for the California Air Resources Board (CARB) relocation of the O₃, PM_{2.5}, and PM₁₀ State/Local Air Monitoring Station (SLAMS) monitors from the Mojave CA-58 site (Air Quality System (AQS) Site ID: 06-029-0019) to the Mojave Pat Avenue site (AQS Site ID: 06-029-0020). On April 8, 2024, CARB sent a letter to the EPA with a request for EPA approval of this network change. In this letter, CARB explained the need to relocate the Mojave CA-58 monitoring site due to logistics beyond CARB's control (i.e., land use changes and challenges securing a long-term lease). Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for the relocation of SLAMS monitors. EPA notes that Mojave CA-58 was previously relocated from Mojave Poole, and with the relocation approved on April 11, 2023, data from the two sites were combined in AQS and used for this analysis.

The Mojave CA-58 PM $_{10}$ monitor relocation was reviewed under 40 CFR 58.14(b). Generally, relocations may be appropriate for approval if the new site is at a nearby location with the same scale of representation and if the relocation does not compromise data needed for implementation of the National Ambient Air Quality Standards (NAAQS) or if one of the criteria for the PM $_{10}$ monitor discontinuation under 40 CFR 58.14(c)(1) through (c)(5) are satisfied.

EPA reviewed the PM_{10} data against criteria in 40 CFR 58.14(c)(2). As the site stopped collecting data at the end of February 2023, EPA reviewed the most recently available complete calendar years of data. According to certified data from 2018-2022 in AQS, EPA determined that this monitor meets the requirements for discontinuation under 40 CFR 58.14(c)(2). This monitor was not specifically required by an attainment or maintenance plan and had consistently measured lower concentrations than another monitor for the same pollutant in the same county during the previous five years. PM_{10} data available from calendar year 2023 were consistent with the historical trend and continued to show similar concentrations. Lastly, since both monitors remain in the same planning area, any control

measures scheduled to be implemented or discontinued during the next five years would apply to areas around both monitors compared in analysis above.

The Mojave CA-58 O_3 and PM_{2.5} monitors were not eligible for removal under 40 CFR 58.14(c)(1) - (c)(5). These monitor relocations were 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."

The original Mojave CA-58 site is located at 1773 CA-58 Business, Mojave, CA 93501. The relocation site, 3200 Pat Avenue, Mojave 93501, is approximately 2,343 meters northwest of the original site location. Both sites have a neighborhood scale of representation, meaning they are expected to have relatively uniform land use in the 0.5 to 4.0 kilometers spatial range. Both sites are in an area characterized by residential and commercial land use. The original and proposed relocation site are expected to measure similar O_3 , $PM_{2.5}$, and PM_{10} concentrations from similar sources due to the consistency in land use and proximity to sources. This relocation will not prevent CARB from meeting 40 CFR part 58, Appendix D requirements.

In addition, CARB provided data for O_3 , $PM_{2.5}$, and PM_{10} at Mojave CA-58 from March 2021 through February 2023 and at Mojave Pat Avenue from March 2023 through February 2024. The resulting data supported the expectation of similar concentrations from similar sources for all pollutants. CARB also provided seasonal wind roses for the Mojave area 2020 through 2022.

Based on the assessment of the scale of representation and monitoring data at both locations, EPA has determined that CARB'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 Mojave CA-58 O₃, PM_{2.5}, and PM₁₀ SLAMS monitors to the proposed site, Mojave Pat Avenue. 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 your next Annual Monitoring Network Plan.

If there are any questions regarding this letter, please feel free to contact me at (415) 972-3134 or Julia Carlstad at (415) 947-4107.

Sincerely,

DENA VALLANO Digitally signed by DENA VALLANO Date: 2024.05.23

Dena Vallano, Manager Monitoring and Analysis Section Air and Radiation Division cc (via email): Glen Stephens, Eastern Kern Air Pollution Control District

Gary Ray, Eastern Kern Air Pollution Control District Bernave Garcia, Eastern Kern Air Pollution Control District

Walter Ham, CARB

Michael Benjamin, CARB

Michael Miguel, CARB

Manisha Singh, CARB

Sylvia Vanderspek, CARB

Jin Xu, CARB

Melissa Niederreiter, CARB

Adolfo Garcia, CARB

Thomas Lovejoy, CARB



February 10, 2025

Ms. Dena Vallano, PhD
U.S. Environmental Protection Agency, Region 9
Air and Radiation Division
Monitoring and Analysis Section (AIR 2-3)
75 Hawthorne Street
San Francisco, California 94105
vallano.dena@epa.gov

Dear Ms. Vallano:

The California Air Resources Board (CARB) is requesting approval from the U.S. EPA to close the regional scale ambient air ozone monitoring station at Echo Summit (AQS # 060170012, Figure 1). The basis for this closure is per 40CFR Part 58.14(c): **State, or where appropriate, local agency requests for SLAMS monitor station discontinuation, subject to the review of the Regional Administrator, will be approved if any of the following criteria are met and if the requirements of appendix D to this part, if any, continue to be met. Other requests for discontinuation may also be approved on a case-by-case basis if discontinuance does not compromise data collection needed for implementation of a NAAQS and if the requirements of appendix D to this part, if any, continue to be met. We have proposed a new ozone monitor at an existing alternate location (South Lake Tahoe - Sandy Way) to address monitoring needs in the county and representative statistical area. A separate start-up request will be submitted for the South Lake Tahoe site.**

Echo Summit (ozone/meteorology): The monitoring station (Address: 21200 US Highway 50, Little Norway, CA 95721) is an 8′x8′x8′ enclosure with several logistical issues preventing continued operation at the site. The enclosure is currently located in the Adventure Mountain Lake Tahoe parking lot, a snow park located on National Forest Service land. Due to significant snow accumulation during the winter, CARB repeatedly has been prevented from accessing the site for regular operation and data collection (Figure 2) when the seasonal ozone site is scheduled to begin operation on April 1. Over the past few years, it is typically mid to late May before the site is accessible. In addition, due to this remote location, we frequently have poor internet communication. Numerous cellular modem and antenna extenders have been evaluated and installed at the site. Despite this, we frequently lose connection and thus our real-time data stream for hours at a time. Lastly, the enclosure itself has been damaged from snowplows and other vehicles that pass through the area. The roof railings have been severely damaged and have been identified as a safety concern by our site operators and the CARB Health and Safety Unit (Figures 3 & 4). The damage has created enclosure leaks, resulting in water damage and mildew concerns. Extreme weather

Dena Vallano February 10, 2025 Page 2

conditions and the age of the shelter will require significant facility repairs in the near future, including shelter replacement, electrical improvements, and improved shelter protections (e.g. bollards, fencing, snowplow indicators).

Proactively, CARB began the process to investigate alternative ozone monitoring locations in the area. CARB currently operates a site at 3337 Sandy Way, South Lake Tahoe, CA 96150 (Figure 6). This site currently has a Beta Attenuation Monitor (BAM) PM10 sampler and thus all the necessary infrastructure in place for an air monitoring station. The Sandy Way location resides approximately 9 miles (14.5 km) northeast of the Echo Summit monitoring station (Figure 5). Table 1 and 2 list a detailed summary of the two locations' siting parameters. As shown, both locations share the same county and Sacramento-Roseville-Arden-Arcade metropolitan representative statistical area. CARB is dedicated to having representative, high quality and complete data in the area, and believes that closing Echo Summit while moving forward with the proposed ozone monitoring at Sandy Way will meet these measurement goals. More detail regarding the representativeness of data between Echo Summit and the proposed Sandy Way location will be included in a subsequent letter requesting the initiation of ozone monitoring at Sandy Way.

At the conclusion of the 2024 ozone season, CARB conducted a shutdown calibration and stopped monitoring at Echo Summit for the winter season. The start date for the new ozone monitor at the South Lake Tahoe - Sandy Way Monitoring Station is proposed for April 1, 2025, the start of the 2025 ozone season. Because of the accessibility at this location, we plan to operate this monitor year-round.

Thank you for your consideration in the closing of the Echo Summit monitoring station and the proposed changes in the CARB monitoring network. If you have any questions or require additional information, please contact Air Monitoring North Section Manager, *Dr. Michael R. Olson*, via email or at (279) 208-7972.

Sincerely,

Mike Miguel

Michael Miguel, Assistant Division Chief, Monitoring and Laboratory Division

cc: Julia Carlstad, Ph.D., U.S. EPA, Region 9, Monitoring and Analysis Section (Air-2-3)

Walter Ham, Ph.D., Chief, Monitoring and Laboratory Division

Manisha Singh, Chief, Quality Management Branch

Michael T. Benjamin, Chief, Air Quality Planning and Science Division

Dena Vallano February 10, 2025 Page 3

Sylvia Vanderspek, Chief, Air Quality Planning Branch
Michael Olson, Manager, Air Monitoring North Section, Air Quality
Surveillance Branch

Figure 1. Echo Summit Monitoring Station aerial view as indicated by ${f \hat{m}}$ icon.

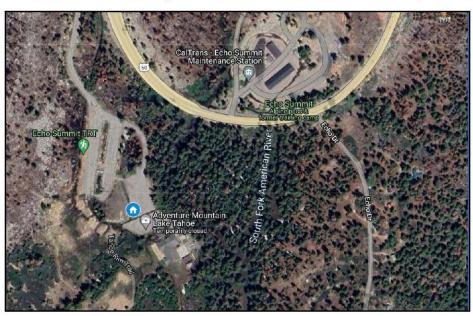


Figure 2.

Echo Summit Monitoring Station - Heavy snowfall covering enclosure making site inaccessible for the start of ozone season.



Figure 3.

Echo Summit Monitoring Station damaged roof safety railings.



Figure 4.

Echo Summit Monitoring Station damaged roof safety railings.



Figure 5.

The relative location of the Echo Summit and Sandy Way monitoring stations. Sandy Way is located 9 miles or 14.5 km northeast of the previous location.

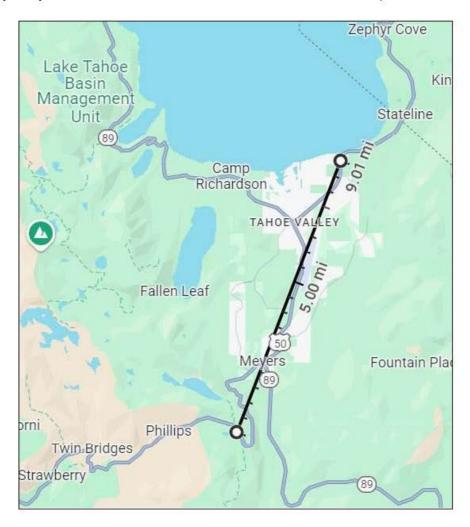


Figure 6.



Table 1.
Site summary of the Echo Summit monitoring site

Local Site Name		Echo Summit (seasonal)				
AQS ID	Echo Summit (seasonar) 06-017-0012					
GPS Coordinates	38.81161120.03308					
Street Address						
County	21200 US Hwy 50, Little Norway, 95721 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	A 1	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
	Ozone, 1	<u> </u>				
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9 seconds					
Carbonyls (seconds)	10					
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	6/11/2024					
pase of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A					

Table 2.

Site summary of the South Lake Tahoe - Sandy Way monitoring site

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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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,	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	695.5					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds)	327078					
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	Monthly					
Frequency of one-point QC check for gaseous instruments	N/A					
Date of Annual performance evaluation conducted in the past calendar year for	N/A					
gaseous parameters	520048					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM						
monitors	4/26/2024					



REGION 9

SAN FRANCISCO, CA 94105

April 15, 2025

Michael Miguel
Assistant Division Chief, Monitoring and Laboratory Division
California Air Resources Board
1001 | Street
P.O. Box 2815
Sacramento, California 95812

Dear Michael Miguel:

This letter provides the U.S. Environmental Protection Agency's (EPA) review and approval for the California Air Resources Board's (CARB) discontinuation of the O_3 State/Local Air Monitoring Station (SLAMS) monitor at the Echo Summit (Air Quality System (AQS) Site ID: 06-017-0012) monitoring site. A letter requesting EPA approval of this network change was submitted to EPA on February 12, 2025. Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for the discontinuation of SLAMS monitors. Discontinuation of the O_3 SLAMS monitor was specifically reviewed by EPA against criteria contained in 40 CFR 58.14(c), which states that requests for discontinuation "may also be approved on a case-by-case basis if discontinuance does not compromise data collection needed for implementation of a National Ambient Air Quality Standard (NAAQS) and if the requirements of appendix D to this part, if any, continue to be met." EPA has reviewed CARB's request and data associated with this monitor and concluded that the criteria contained in 40 CFR 58.14(c) are met as described below; EPA therefore approves discontinuation of the O_3 SLAMS monitor at the Echo Summit site.

The Echo Summit monitor was located in an O_3 nonattainment area for four standards: the 1979 1-hour, 1997 8-hour, 2008 8-hour, and 2015 8-hour O_3 NAAQS. The 2021 and 2022 design values for the 2015 8-hour O_3 NAAQS were violating the NAAQS, the 2020 and 2023-2024 design values were invalid for the 2015 8-hour O_3 NAAQS and the 2020-2024 design values were also invalid for the 1979 1-hour, 1997 8-hour and 2008 8-hour O_3 NAAQS primarily due to incomplete data from 2018-2024. While the 2021 and 2022 design values for the 2015 8-hour O_3 NAAQS were violating, Echo Summit's design values were 9-11 ppb lower than the design value site in the Sacramento Metro, CA nonattainment area for the 2015 8-hour O_3 NAAQS.

The 2020-2024 invalid design values were a result of incomplete data capture primarily due to site access challenges in the entire month of April and part of May for all years included in the 2020-2024 design value periods (calendar years 2018-2024). Since April-partial May data at the Echo Summit monitor were not available in recent years, April-partial May data were reviewed at other monitors in the area. The Cool (AQS Site ID: 06-017-0020) and the Placerville-Canal St (AQS Site ID: 06-017-2004, formally Gold Nugget (AQS Site ID: 06-017-0010)) sites are the two closest O₃ SLAMS monitors to the Echo Summit monitor within the Sacramento Metro, CA nonattainment area. A review of the April-partial May missing data against this same data at the two aforementioned monitors demonstrated that there were no exceedances of the 1979 1-hour, 1997 8-hour, 2008 8-hour, or 2015 8-hour NAAQS, indicating Echo Summit was unlikely to have exceeded any of the NAAQS during the incomplete data periods.

In addition, valid data were unavailable from August 29-October 31, 2021 because the monitor was within the Caldor wildfire. However, valid data from the August 29-October 31 period at the Echo Summit monitor were available and reviewed for calendar years 2018-2020 and 2022-2024. Exceedances of the 2015 8-hour O₃ NAAQS occurred in four instances during this period; three exceedances occurred in September 2020 and data were flagged with the "IT" informational qualifier code, indicating "Wildfire-U. S.", and one exceedance occurred on August 31, 2023. For the August 31, 2023 exceedance date, a review of all sites within the Sacramento Metro, CA nonattainment area indicated that the Echo Summit exceedance was not the highest exceedance value and was surpassed by Roseville-N Sunrise Ave (AQS ID: 06-061-0006). While a limited number of exceedances occurred at the Echo Summit monitor during the August 29-October 31, 2021 data period in 2018-2020 and 2022-2024, for the three years with complete data (2018, 2022-2023), Echo Summit's 4th highest daily 8-hour O₃ values measured 11-20 ppb lower than the 4th highest daily 8-hour O₃ value at the maximum site in the 2015 8-hour O₃ NAAQS Sacramento Metro, CA nonattainment area. Additionally, there were no exceedances of the 1979 1-hour O₃ NAAQS at the Echo Summit monitor during the August 29-October 31 period from calendar years 2018-2020 and 2022-2024.

The Echo Summit monitor was not the design value monitor for the 1979 1-hour, 1997 8-hour, 2008 8-hour, or 2015 8-hour O₃ NAAQS Sacramento Metro CA nonattainment areas, consistently measured lower concentrations of O₃ than other monitors in the nonattainment area, and is not specifically required by an attainment plan. Therefore, the closure of this monitor does not compromise data collection needed for implementation of any O₃ NAAQS.

CARB and local air districts within the CARB Primary Quality Organization (PQAO) currently operate 16 other O_3 SLAMS in the Sacramento-Roseville-Folsom, CA Metropolitan Statistical Area (MSA), exceeding 40 CFR 58 Appendix D minimum monitoring requirements for the area. This monitor is not needed to fulfill 40 CFR 58 Appendix D MSA requirements for the maximum O_3 concentration site in a metropolitan area. Therefore, the closure of this monitoring site will not prevent CARB from meeting 40 CFR 58 Appendix D requirements.

Based on these analyses, EPA approves CARB's discontinuation of the Echo Summit O_3 SLAMS monitor. Please include this enclosure and the relevant monitor and site information in next year's annual monitoring network plan.

If you have any questions, please feel free to contact me at (415) 972-3134 or Julia Carlstad at (415) 947-4107.

Sincerely,

Vallano, Dena Digitally signed by Vallano, Dena Date; 2025.04.15 07:56:10 -07'00'

Dena Vallano, Manager Monitoring and Analysis Section Air and Radiation Division

cc (via email): Manisha Singh, CARB Walter Ham, CARB

Michael T. Benjamin, CARB

Michael Olson, CARB

Jin Xu, CARB

Melissa Niederreiter, CARB



February 10, 2025

Ms. Dena Vallano, PhD
U.S. Environmental Protection Agency, Region 9
Air and Radiation Division
Monitoring and Analysis Section (AIR 2-3)
75 Hawthorne Street
San Francisco, California 94105
vallano.dena@epa.gov

Dear Ms. Vallano:

The California Air Resources Board (CARB) is requesting approval from the U.S. EPA to start a new regional scale ozone ambient air monitoring station at South Lake Tahoe - Sandy Way (AQS # 060170011, Figure 1). The basis for this change is per 40CFR Part 58.14(b): Each monitoring network may make or be required to make changes between the 5-year assessment periods, including for example, site relocations or the addition of PAMS networks in bumped-up ozone nonattainment areas. These modifications must address changes invoked by a new census and changes due to changing air quality levels. The State, or where appropriate local, agency shall provide written communication describing the network changes to the Regional Administrator for review and approval as these changes are identified. We have proposed to close our Echo Summit ozone monitoring station for reasons detailed below and relocating the ozone monitor to the new site which would address monitoring needs in the county and representative statistical area. Please note, a separate request has been submitted to close the Echo Summit location.

Echo Summit (ozone/meteorology): The monitoring station (Address: 21200 US Highway 50, Little Norway, CA 95721) is an 8'x8'x8' enclosure with several logistical issues. The enclosure is currently located in the Adventure Mountain Lake Tahoe parking lot. Due to heavy snowfall at this location, we repeatedly have not been able to access the site at the start of the seasonal ozone period that begins on April 1 (Figure 2); often delaying access until mid to late May. In addition, due to this remote location, we frequently have poor internet communication, despite multiple approaches, we frequently lose connection for our real-time data stream. Lastly, the enclosure itself has been damaged from snowplows and other vehicles that pass through the area. The roof railings have been severely damaged and have been identified as a safety concern by our site operators and the CARB Health and Safety Unit (Figures 3 & 4). Extreme weather conditions and the age of the shelter will require significant facility repairs in the near future, including shelter replacement, electrical improvements, and improved shelter protections (e.g. bollards, fencing, and snowplow indicators).

Dena Vallano February 10, 2025 Page 2

Proactively, CARB began the process to investigate alternative monitoring locations in the area. CARB currently operates a monitoring site at 3337 Sandy Way, South Lake Tahoe, CA 96150. This site currently has a Beta Attenuation Monitor (BAM) PM10 sampler and therefore most of the necessary infrastructure in place to start an ozone monitor. The Sandy Way location resides approximately 9 miles (14.5 km) northeast of the Echo Summit monitoring station (Figure 5). The meteorological conditions at both sites are similar, with the prevailing wind coming from the south at both locations (Figure 6). Table 1 and 2 list a detailed summary of the two locations' siting parameters. As shown, both locations share the same county and Sacramento-Roseville-Arden-Arcade metropolitan representative statistical area. CARB is dedicated to having representative, high quality and complete ozone data in the area, and believes that the new proposed monitoring site at Sandy Way will meet these measurement goals.

The South Lake Tahoe - Sandy Way Monitoring Station is a leased office building location, with a small enclosure on the rooftop. When adding the new ozone monitor to this site, we will be adding a larger, temperature-controlled ground-based enclosure at this same location. The Sandy Way lease allows for convenient options for site repairs, snow removal, and utility access. This arrangement will significantly simplify and expedite maintenance and repairs at the monitoring site. In addition, the new station provides much safer and secure access for CARB's staff and equipment. Being in a more populated area, the access roads and parking are frequently snow plowed during the winter months to allow for access year-round.

The start date for the new ozone monitor at the South Lake Tahoe - Sandy Way Monitoring Station is proposed for April 1, 2025, the start of the 2025 ozone season. Because of the accessibility at this location, we plan to operate this monitor year- round, providing an additional five months a year of regulatory ozone data in the area.

South Lake Tahoe - Sandy Way currently has a Quant AQ Mobile Air sensor installed at the site. It's intended use is to provide non-regulatory backup data in the event of a Public Safety Power Shutoff (PSPS) or for other comparison purposes. A comparison of 8-hour average ozone concentrations for the Sandy Way and the Echo Summit site using the sensor data is shown in Figure 7. This shows the ozone concentrations track closely to each other at both locations; this indicates the similarity and representativeness of the two locations. Please note, sensors are not calibrated, which can result in decreased accuracy, thus, despite the sensor showing higher maximum and minimum trends compared to the regulatory monitor, it is difficult to state whether one site is higher than another. They key observation is that the sensor data tracks very well between the two sites, indicating they represent the same airshed. To give context to this comparison, Figure 8 compares the colocated Quant AQ dataset for a location in Roseville, CA; demonstrating an apparent overestimate bias for this co-located sensor, even though there is a strong agreement with the overall data trend. Figure 9 demonstrates both the sensor comparison and a comparison to other locations in the Lake Tahoe region, specifically the Placerville and Tahoe City (Placer County APCD site) ozone monitoring locations. These graphical summaries demonstrate

Dena Vallano February 10, 2025 Page 3

the Sandy Way site is a representative location that is consistent with previous ozone monitoring in Echo Summit, while offering a unique data set when compared to other regional sites. The proposed Sandy Way site will ensure data completeness, data quality, support staff safety concerns, and address Echo Summit maintenance concerns.

Thank you for your consideration in the start-up of ozone monitoring at the Sandy Way site and changes in the CARB monitoring network. If you have any questions or require additional information, please contact Air Monitoring North Section Manager, *Dr. Michael R. Olson,* via email or at (279) 208-7972.

Sincerely,

Mike Miguel

Michael Miguel, Assistant Division Chief, Monitoring and Laboratory Division

cc: Julia Carlstad, Ph.D., U.S. EPA, Region 9, Monitoring and Analysis Section (Air-2-3)

Walter Ham, Ph.D., Chief, Monitoring and Laboratory Division

Manisha Singh, Chief, Quality Management Branch

Michael T. Benjamin, Chief, Air Quality Planning and Science Division

Sylvia Vanderspek, Chief, Air Quality Planning Branch

Michael Olson, Manager, Air Monitoring North Section, Air Quality

Surveillance Branch

Figure 1.

Proposed South Lake Tahoe - Sandy Way Monitoring Station aerial view as indicated by 🍙 icon.



Figure 2.

Echo Summit Monitoring Station - Heavy snowfall covering enclosure making site inaccessible for the start of ozone season.



Figure 3.

Echo Summit Monitoring Station damaged roof safety railings.



Figure 4.

Echo Summit Monitoring Station damaged roof safety railings.



Figure 5.

The relative location of the Echo Summit and Sandy Way monitoring stations. Sandy Way is located 9 miles or 14.5 km northeast of the previous location.

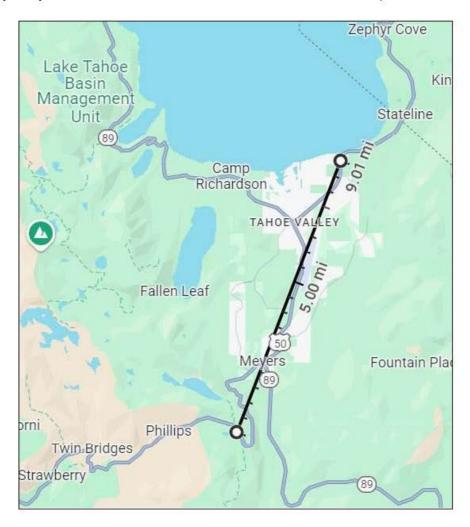


Figure 6.

The wind direction measured at the Sandy Way site in 2023 and during 2023 ozone season at Echo Summit. Wind patterns are almost identical at both sites.

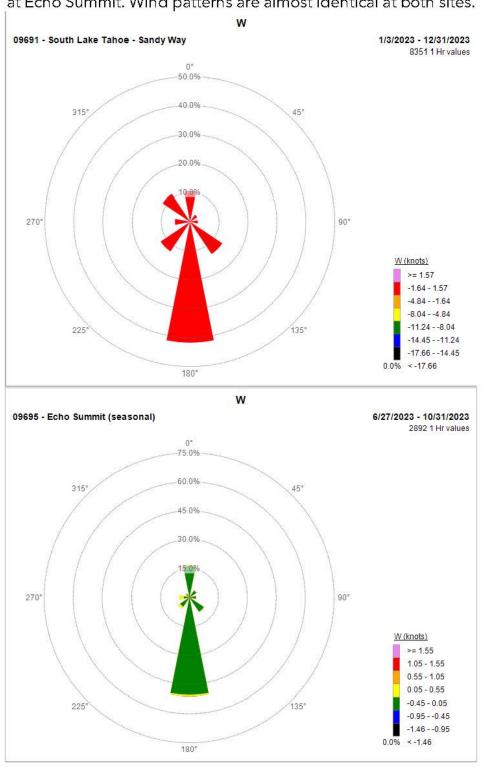


Figure 7.

8-hour average ozone concentrations (in ppb) at Echo Summit and Sandy Way (Quant AQ data) show the similarity of ozone measurements at both site locations.

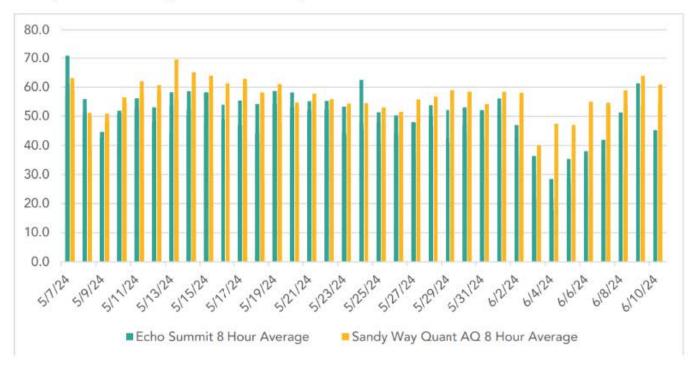


Figure 8.

Quant AQ ozone data compared to T400 regulatory monitor at a similar air monitoring station (Roseville). This is included for reference to display how the

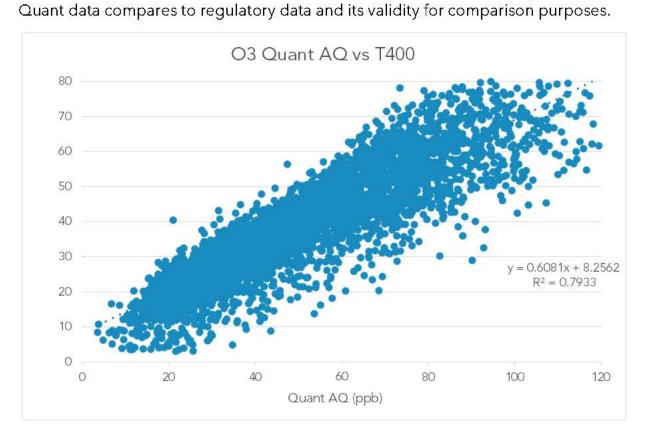


Figure 9.

Nearby ozone monitoring sites showing the variability in measurements during the current ozone season. Surrounding sites show regional similarities in ozone concentrations.

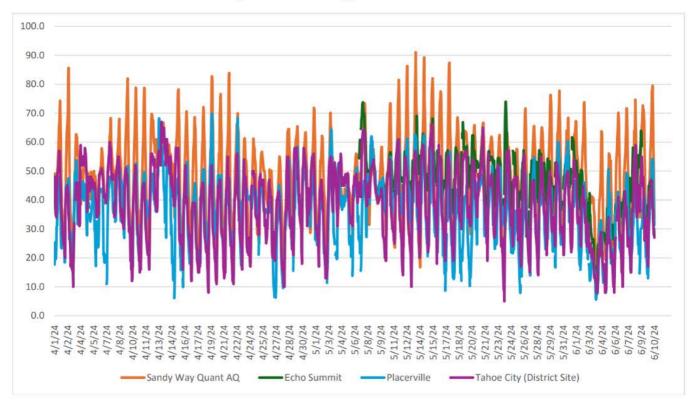


Table 1.
Site summary of the Echo Summit monitoring site

Local Site Name	Echo Summit (seasonal)					
AQS ID	06-017-0012					
GPS Coordinates		38.81161120.03308				
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						
Representative statistical area name (i.e. MSA, CBSA, other)	Paved					
Pollutant. POC	A 1	Sacramento-Roseville-Arden-Arcade Metropolitan Statistical Area				
	Ozone, 1	<u> </u>				
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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,	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9 seconds					
Carbonyls (seconds)	14					
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	6/11/2024					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A					

Table 2.

Site summary of the South Lake Tahoe - Sandy Way monitoring site

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 Stal					
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	CARB					
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A					
Reporting Agency	CARB					
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 to furnace or incinerator flue (meters) Distance between monitors fulfilling a QA collocation requirement (meters)	N/A None					
Unrestricted airflow (degrees around probe/inlet or % of monitoring path)	360					
Probe material for reactive gases NO/NO2/NOv, SO2, O3; PAMS: VOCs,						
	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	N/A					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A					
Carbonyls (seconds) Will there be changes within the next 18 months?	Vee	1				
	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	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	4/26/2024					



April 15, 2025

Michael Miguel
Assistant Division Chief, Monitoring and Laboratory Division
California Air Resources Board
1001 | Street
P.O. Box 2815
Sacramento, California 95812

Dear Michael Miguel:

This letter provides the U.S. Environmental Protection Agency's (EPA) review and approval for the California Air Resources Board's (CARB) new State/Local Air Monitoring Station (SLAMS) O₃ monitor at the South Lake Tahoe – Sandy Way site (Air Quality System (AQS) Site ID: 06-017-0011). A request for EPA approval of this network change was submitted to EPA on February 12, 2025 with a proposed monitoring start date of April 1, 2025. Per 40 CFR 58.14, monitoring agencies are required to obtain EPA approval for modification to their monitoring network. SLAMS monitors must meet all applicable 40 CFR 58 requirements, including the quality assurance requirements, network design criteria, and siting requirements specified in appendices A, C, D, and E. EPA reviewed CARB's request and assumes that the new South Lake Tahoe – Sandy Way O₃ SLAMS site will meet all applicable criteria contained in 40 CFR 58. EPA therefore approves the new O₃ SLAMS monitor at the South Lake Tahoe – Sandy Way site. Please include this letter and the relevant monitor and site information in the next CARB annual monitoring network plan.

If you have any questions, please feel free to contact me at (415) 972-3134 or Julia Carlstad at (415) 947-4107.

Sincerely,

Vallano, Dena Digitally signed by Vallano, Dena Date: 2025.04.15 07:55:04 -07'00'

Dena Vallano, Manager Monitoring and Analysis Section Air and Radiation Division

cc (via email): Manisha Singh, CARB

Walter Ham, CARB Michael T. Benjamin, CARB Michael Olson, CARB Jin Xu, CARB Melissa Niederreiter, CARB

Detailed Site Reports – CARB Sites Outside of CARB ANP

Sacramento Metropolitan AQMD *CARB operated sites outside of the CARB ANP

*CARB operated sites outside of the CARB ANP					
Local Site Name			Sacramento-1309 T Street	t	
AQS ID			06-067-0010		
GPS Coordinates		38	3.568440°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 1	1th St.: 3,102 (City of Sacr	ramento 2009)	
Ground Cover			op site (residential area is p	25,6	
Representative statistical area name (i.e. MSA, CBSA, other)		10 (10 (10 (10 (10 (10 (10 (10 (10 (10 (entoArden-ArcadeRose	ACCUPANCE OF THE PARTY OF THE P	
	02.4			0	DM42 F 2
Pollutant, POC	03, 1	NO2, 1	PM10, 3	PM2.5, 3	PM2.5, 2
Primary, QA-Audit, Supplementary, or N/A	N/A	N/A	Primary	Primary	Collocate
Parameter Code	42602	44201	81102	88101	88502
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	Public Information
Site type(s)	Highest Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	Other
Network affiliation(s)	N/A	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	Thermo 2000i
Method code	87	74	122	170	143
FRM/FEM/ARM/Other	FEM	FRM	FEM	FEM	FRM
Collecting Agency	CARB	CARB	CARB	CARB	CARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	CARB
Reporting Agency	CARB	CARB	CARB	CARB	CARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	12/1/1998	5/15/2013	4/1/2007	12/11/2020	12/11/2020
Current sampling frequency	Continuous	Continuous	Continuous	Continuous	1:12
Required sampling frequency including exceptional events	N/A	N/A	N/A	N/A	1:12
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)	10	10	10	10	10
Distance from supporting structure (meters)	2	2	2	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 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	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,	Teflon	Teflon	N/A	N/A	N/A
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	12.8	19.8	N/A	N/A	N/A
Carbonyls (seconds)					
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	N/A
Frequency of flow rate verification for manual PM samplers, including Pb samplers	N/A	N/A	N/A	N/A	monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	semi-monthly	semi-monthly	N/A
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	8/14/2023	8/14/2023	N/A	N/A	N/A
gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for			02/10/23	02/10/23	02/10/23
PM monitors			08/14/23	08/14/23	08/14/23

San Joaquin Valley APCD *CARB operated sites outside of the CARB ANP

*CARB operated sites outside of the CARB ANP	T						
Local Site Name	Arvin–Di Giorgio						
AQS ID		06-029-5002					
GPS Coordinates		35.2391 N, -118.7886 W					
Street Address		19405 Buena Vista Blvd, Arvin CA 93203					
County		Kern					
Distance to roadways (meters)		10 m (east)					
Traffic Count (AADT,year)	712/2018 (7	Traffic count for Buena Vista Blvd east of Tejon Hwy., Source: Kern Council of Governments.)					
Ground Cover		Dirt, vegetative					
Representative statistical area name (i.e. MSA, CBSA, other)		Bakersfield					
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)	UNOFFICIAL PAMS						
Instrument manufacturer and model	Teledyne API 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	11/16/2009						
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)	1.8						
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,	Teflon						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	8.8						
Carbonyls (seconds)							
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	10/22/24						
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A						

Local Site Name	Bakersfield - Airport						
AQS ID	06-029-0016						
GPS Coordinates		35.3246 N, -118.9976 W					
Street Address		401 E. Planz Rd., Bakersfield CA 93307					
A CONTRACTOR OF		401 L. Flatiz Na., Bakersheid OA 95507					
County		500 m (at)					
Distance to roadways (meters)	17.007 / 0010	500 m (west)					
Traffic Count (AADT,year)	17,987 / 2018 (S. Union Ave between E. Planz Rd and E White Lane, Source: Kern Council of Governments)						
Ground Cover		Paved					
Representative statistical area name (i.e. MSA, CBSA, other)	Bakersfield						
Pollutant, POC	PM2.5, 1						
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	Thermo 2025i						
Method code	145						
FRM/FEM/ARM/Other	FRM						
Collecting Agency	ARB						
Analytical Lab (i.e. weigh lab, toxics lab, other)	ARB						
Reporting Agency	ARB						
Spatial scale	Neighborhood						
Monitoring start date	2/18/2000						
Current sampling frequency	1:3						
Required sampling frequency including exceptional events	0.04375						
Sampling season	1-Jan-31-Dec						
Probe height (meters)	2.2						
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)	N/A						
Height above probe for obstructions not on roof (meters)	N/A						
Distance to nearest tree drip line (meters)	>10m						
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,	N/A						
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	14// (
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A						
Carbonyls (seconds)	14/14						
Will there be changes within the next 18 months?	Yes						
Is it suitable for comparison against the annual PM2.5 NAAQS?	Yes						
Frequency of flow rate verification for manual PM samplers, including Pb samplers	Monthly						
Trequency of now rate verification for manual rivi samplers, including Fb samplers	WIGHTHIN						
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	3/20/24, 9/4/24						

Local Site Name	Bakersfield-California						
STEEDING LIVE STEEDINGS SEVELINGS SEVELINGS SEVELINGS			06-029-0014				
AQS ID	1		ADSCRIPT CHARACTERS AGRESTICAL CO.				
GPS Coordinates		EEE0 0	35.35662, -119.06261	02200			
Street Address		5558 Ca	lifornia Ave., Bakersfield CA	\ 93309			
County			Kern				
Distance to roadways (meters)			300 m (south)				
Traffic Count (AADT,year)			33,244/2017				
Ground Cover	Paved						
Representative statistical area name (i.e. MSA, CBSA, other)			Bakersfield				
Pollutant, POC	Ozone, 1	NO2, 1					
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary					
Parameter Code	44201	42602					
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	Thermo 42 IQ					
Method code	87	74					
FRM/FEM/ARM/Other	FEM	FRM					
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	3/1/1994	4/1/1994					
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)	6.8	6.8					
Distance from supporting structure (meters)	3	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)	>10m	>10m					
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,	Teflon	Teflon					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.4	0.4					
Carbonyls (seconds)	7.1	8.4					
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	N/A					
Frequency of one-point QC check for gaseous instruments	5 Days/Week	5 Days/Week					
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	9/4/2024	9/4/2024					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A					

(Continued)

	Ŧ				(Continued)
Local Site Name			Bakersfield-California		
AQS ID			06-029-0014		
GPS Coordinates			35.35662, -119.06261		
Street Address		5558 Ca	ilifornia Ave., Bakersfield C	A 93309	
County			Kern		
Distance to roadways (meters)			300 m (south)		
Traffic Count (AADT,year)			33,244/2017		
Ground Cover			Paved		
Representative statistical area name (i.e. MSA, CBSA, other)			Bakersfield		
Pollutant, POC	PM10, 7	PM2.5, 1	PM2.5, 2	PM2.5, 3	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	QA-Collocated	
Parameter Code	81102	88502	88101	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	Met One BAM 1020	Met One BAM 1020	Thermo 2025i	Thermo 2025i	
Method code	122	731	145	145	
FRM/FEM/ARM/Other	FEM	Non-FEM	FRM	FRM	
Collecting Agency	ARB	ARB	ARB	ARB	
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	ARB	
Reporting Agency	ARB	ARB	ARB	ARB	
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date	1/27/2021	1/27/2021	1/1/1999	36161	
Current sampling frequency	Continuous	Continuous	1:1	1:12	
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	1-Jan-31-Dec	
Probe height (meters)	6.3	6.6	6.3	6.3	
Distance from supporting structure (meters)	2.5	2.8	2.5	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)	N/A	N/A	N/A	N/A	
Height above probe for obstructions not on roof (meters)	N/A	NA	N/A	N/A	
Distance to nearest tree drip line (meters)	> 10m	> 10m	> 10m	> 10m	
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	> 2M	> 2M	
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,	Teflon	N/A	N/A	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A	N/A	N/A	
Carbonyls (seconds)				<u> </u>	
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	Yes	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	Semi-Monthly	Semi-Monthly	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for	N/A	N/A	N/A	N/A	
gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for	0/00/04 0///04	0/00/04 0///04	0/00/04 0///04	0/00/04 0///24	
PM monitors	3/20/24, 9/4/24	3/20/24, 9/4/24	3/20/24, 9/4/24	3/20/24, 9/4/24	

Ozone,1 Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	2,753/2020 (Traffic count NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	Edison 06-029-0007 35.3456 N, -118.8518 N son Farm-Shed Rd, Edis Kern 450 m (south) for nearest roads: Ediso Dirt, vegetative Bakersfield	son CA)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	2,753/2020 (Traffic count NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	35.3456 N, -118.8518 N son Farm-Shed Rd, Edis Kern 450 m (south) for nearest roads: Edisc Dirt, vegetative	son CA)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	2,753/2020 (Traffic count NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	son Farm-Shed Rd, Edis Kern 450 m (south) for nearest roads: Edisc Dirt, vegetative	son CA)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	2,753/2020 (Traffic count NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	Kern 450 m (south) for nearest roads: Edisc Dirt, vegetative)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	450 m (south) for nearest roads: Edisc Dirt, vegetative	on Hwy. and Comanche D)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	for nearest roads: Ediso Dirt, vegetative	on Hwy. and Comanche D)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	NO2,1 Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	Dirt, vegetative	on Hwy. and Comanche D)r.,
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM			
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM	Bakersfield		
Primary 44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	Primary 42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM			
44201 NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	42602 NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM			
NAAQS, Research, Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	NAAQS, Research, Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM			
Public Info. ghest Concentration, Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	Public Info. Population Exposure SLAMS N/A Thermo 42iQ 74 FRM			
Regional Transport SLAMS N/A Teledyne API 400 87 FEM ARB	SLAMS N/A Thermo 42iQ 74 FRM			
N/A Teledyne API 400 87 FEM ARB	N/A Thermo 42iQ 74 FRM			
Teledyne API 400 87 FEM ARB	Thermo 42iQ 74 FRM			
87 FEM ARB	74 FRM			
FEM ARB	FRM			
ARB	00 H04400000			
10ato-10ato-10	ADD			
N/A	AND			
	N/A			
ARB	ARB			
Neighborhood	Neighborhood			
1/1/1981	1/1/1980			
Continuous	Continuous			
N/A	N/A			
01/01 – 12/31	01/01 – 12/31			
5.4	5.4			
1.5	1.5			
None	None			
16.1	16.1			
None	None			
N/A	N/A			
360	360			
Teflon	Teflon			
11.0	11.4			
No	No			
27 5793				
7.7	7.9			
N/A	N/A			
1000F2F03 30	0000000 80			
7/30/24	7/30/24			
**************************************	or management of 1			
N/A	N/A			
	N/A ARB Neighborhood 1/1/1981 Continuous N/A 01/01 – 12/31 5.4 1.5 None None None None None T6.1 None N/A 360 Teflon 11.0 No N/A 7.7 N/A Daily 7/30/24	ARB ARB N/A N/A ARB ARB Neighborhood Neighborhood 1/1/1981 1/1/1980 Continuous Continuous N/A N/A 01/01 – 12/31 01/01 – 12/31 5.4 5.4 1.5 1.5 None None None None None None None None None None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A Daily Daily Daily 7/30/24 7/30/24	ARB ARB N/A N/A ARB ARB Neighborhood Neighborhood 1/1/1981 1/1/1980 Continuous Continuous N/A N/A 01/01 – 12/31 01/01 – 12/31 5.4 5.4 1.5 1.5 None None None None None None None None N/A N/A 360 360 Teflon Teflon 11.0 11.4 No No N/A N/A 7.7 7.9 N/A N/A Daily Daily 7/30/24 7/30/24	ARB N/A N/A N/A ARB ARB Neighborhood Neighborhood Neighborhood Neighborhood N/A N/A N/A N/A N/A N/A N/A 01/01 – 12/31 01/01 – 12/31 5.4 5.4 5.4 1.5 1.5 1.5 None None None None None None None None

Local Site Name	Fresno – Garland					
AQS ID			06-019-0011			
GPS Coordinates			36.7853 N, -119.7732 W			
Street Address		3727 N	First St., Ste.104, Fresno C	N 03726		
is voicine occin a. Aramitischemischer	-	3/2/ N.	and the state of t	JA 93720		
County			Fresno			
Distance to roadways (meters)	7 500/00/4 (5) 4 04		30 m (south)			
Traffic Count (AADT,year)	7,520/2011 (First Stre	et near Dakota Avenue. So		County Regional Traffic M	onitoring Report 2013)	
Ground Cover			Paved			
Representative statistical area name (i.e. MSA, CBSA, other)			Fresno			
Pollutant, POC	Ozone, 1	NO2,3	CO, 3	SO2, 3		
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	Primary		
Parameter Code	44201	42602	42101	42401		
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)	NCore	Ncore	Ncore	Ncore		
Instrument manufacturer and model	Teledyne API T400	Thermo 42IQTL	Teledyne API T300	Thermo 43iQTL		
Method code	87	74	593	560		
FRM/FEM/ARM/Other	FEM	FRM	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	Urban	Urban	Urban	Urban		
Monitoring start date	12/23/2011	2/1/2012	1/18/2012	1/18/2012		
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)	6.8	6.8	6.6	6.6		
Distance from supporting structure (meters)	2.8	2.8	2.8	2.8		
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,	Teflon	Teflon	Teflon	Teflon		
Carbonyls (e.g. Pyrex, stainless steel, Teflon)						
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.0	7.0	13.3	14.1		
Carbonyls (seconds)						
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	5 Times/Week	5 Times/Week	5 Times/Week	5 Times/Week		
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	2/22/2024	2/22/2024	2/22/2024	2/22/2024		
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		

Local Cita Nama			Fresno – Garland		(continued)		
Local Site Name							
AQS ID			06-019-0011				
GPS Coordinates		TL12 10	36.7853 N, -119.7732 W	24.00700			
Street Address		3727 N.	First St., Ste.104, Fresno C	CA 93726			
County			Fresno				
Distance to roadways (meters)			30 m (south)				
Traffic Count (AADT,year)	7,520/2011 (First Stre	et near Dakota Avenue. So	urce: Fresno COG Fresno	County Regional Traffic Me	onitoring Report 2013)		
Ground Cover	Paved						
Representative statistical area name (i.e. MSA, CBSA, other)			Fresno				
Pollutant, POC	PM10, 3	PM2.5, 2	PM2.5, 3	PM2.5			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	QA Collocated			
Parameter Code	81102	88502	86101	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)	NCore	Ncore	Ncore	Ncore			
Instrument manufacturer and model	Met One BAM 1020	Met One BAM 1020	Met One BAM 1020	Thermo 2025i			
Method code	122	170	185	145			
FRM/FEM/ARM/Other	FEM	FEM	FRM	FRM			
Collecting Agency	ARB	ARB	ARB	ARB			
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	ARB	ARB			
Reporting Agency	ARB	ARB	ARB	ARB			
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood			
Monitoring start date	1/1/2012	1/1/2012	1/1/2012	1/1/2012			
Current sampling frequency	Continuous	Continuous	Continuous	1:3			
Required sampling frequency including exceptional events	N/A	N/A	N/A	0.04375			
Sampling season	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			
Distance from supporting structure (meters)	2.5	2.5	2.5	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)	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	N/A N/A	N/A N/A			
Distance to flearest tree drip line (fleters) Distance to furnace or incinerator flue (meters)	N/A N/A	N/A N/A	N/A N/A	N/A N/A			
Distance to furnace of incinerator flue (meters) Distance between monitors fulfilling a QA collocation requirement (meters)	1	1 1	IN/A	1 1 1			
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,	N/A	N/A	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	IN/A	IN/A	IN/A	IN/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	N/A	N/A	N/A	N/A			
Carbonyls (seconds)	IN/A	IN/A	IN/A	IN/A			
Will there be changes within the next 18 months?	No	No	No	No			
AND CONTROL DESIGN CONTROL OF THE CO	N STEE	4550	N 500	-2-53/202			
Is it suitable for comparison against the annual PM2.5 NAAQS?	N/A	Yes	N/A	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	Bi-Monthly	Bi-Monthly	N/A	N/A			
Frequency of one-point QC check for gaseous instruments	N/A	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	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	5-29-2024, 11/12/24	5-29-2024, 11/12/24	5-29-2024, 11/12/24	6/10/2024, 11/19/2024			

8

Local Site Name	Modesto –14th St						
AQS ID			06-099-0005				
·							
GPS Coordinates		04.4	37.6421 N, -120.9942 W	5054			
Street Address		814	14th Street, Modesto CA 9	5354			
County			Stanislaus				
Distance to roadways (meters)			50 m (southwest)		A. 1900-1900 VA. 18		
Traffic Count (AADT,year)	122,000	/ 2014 (Traffic count for ne		99, Source: Caltrans 2017	AADDT)		
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	Primary	Primary	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	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	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,	Teflon	Teflon	N/A	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	1611011	I GIIOII	IW/A	N/A			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	9.5	8.6	N/A	N/A			
Carbonyls (seconds)	3.5	0.0	IW/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	N/A N/A	N/A			
ir requestey of now rate verification for manual Fivi samplers, including Fb samplers	IN/A	IN/A	IN/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	10/30/2024	10/30/2024	N/A	N/A			
gaseous parameters							
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	N/A	5/13/2024;	5/13/2024;			
PM monitors			10/30/2024	10/30/2024			

Local Site Name	Oildale						
AQS ID			06-029-0232				
GPS Coordinates			35.4380 N, -119.0167 W				
Street Address		224	1 Manor St, Oildale CA 93	308			
NON-DAY SOCIAL AC APPRINGS STANDARD ACCUSE.		331	Kern				
County Distance to readurate (meters)							
Distance to roadways (meters)	0.000/0/	040 /Mana= 04 la 4 D	150 m (northwest)				
Traffic Count (AADT,year)	6,683/20	018 (Manor St. between Da		ce: Kern Council of Gove	rnments.)		
Ground Cover			Dirt, vegetative				
Representative statistical area name (i.e. MSA, CBSA, other)			Bakersfield		1		
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)	Highest Concentration	Population Exposure					
Monitor type(s)	SLAMS	SLAMS					
Network affiliation(s)	None	None					
Instrument manufacturer and model	Teledyne API T400	Met One 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	Urban	Middle					
Monitoring start date	1/1/1984	6/1/2017					
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)	5.8	6					
Distance from supporting structure (meters)	1.9	2.1					
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)	10	N/A					
Height above probe for obstructions not on roof (meters)	5	N/A					
Distance to nearest tree drip line (meters)	10	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,	Teflon	N/A					
Carbonyls (e.g. Pyrex, stainless steel, Teflon)							
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.7	N/A					
Carbonyls (seconds)							
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	Bi-Monthly					
Frequency of flow rate verification for automated PM analyzers	N/A	N/A					
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	9/6/24	N/A					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	3/20/24, 9/6/2024					

Local Site Name	Shafter				
AQS ID	06-029-6001				
GPS Coordinates	35.5034 N, -119.2726 W				
Street Address	95.				
to violational to Arternational to Arternational Court	578 Walker St., Shafter, CA 93263				
County Distance to readurate (meters)	Kern				
Distance to roadways (meters)	10m (southwest)				- 1
Traffic Count (AADT,year)	4,002/2018 (Central Ave and Walker St., Source: Kern Council of Governments.)				S.)
Ground Cover	Paved				
Representative statistical area name (i.e. MSA, CBSA, other)	_	, a - w - a	Bakersfield		
Pollutant, POC	Ozone, 1	NO2, 1			
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary			
Parameter Code	44201	42602			
Basic monitoring objective(s)	NAAQS	NAAQS			
Site type(s)	Population Exposure	Population Exposure			
Monitor type(s)	SLAMS	SLAMS			
Network affiliation(s)	PAMS	PAMS			
Instrument manufacturer and model	Teledyne API T400	Thermo 42IQ			
Method code	87	74			
FRM/FEM/ARM/Other	FEM	FRM			
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	7/1/1989	7/1/1989			
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)	7.2	7.2			
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)	N/A	N/A			
Height above probe for obstructions not on roof (meters)	N/A	N/A			
Distance to nearest tree drip line (meters)	N/A	N/A			
Distance to furnace or incinerator flue (meters)	2	2			
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,	Teflon	Teflon			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	16.8	18.7			
Carbonyls (seconds)					
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	N/A			
Frequency of one-point QC check for gaseous instruments	5 Days/Week	5 Days/Week			
Date of Annual performance evaluation conducted in the past calendar year for	7/31/2024	7/31/2024		ĺ	
gaseous parameters					
Date of two semi-annual flow rate audits conducted in the past calendar year for PM monitors	N/A	N/A			

Local Site Name	Stockton - University Park				
AQS ID			06-077-1003		
GPS Coordinates					
Street Address	37.96158 N, -121.28141 W 702 N Aurora Street, Stockton, CA				
post-decimal states (a) subject of the design post-design and states (a) and a subject of the design post-design and states (a) and a subject of the design post-design and states (a) and a subject of the design post-design and a subject of the design and		702		, CA	
County			San Joaquin		
Distance to roadways (meters)			60 m (north)		
Traffic Count (AADT,year)	3600/20	20 (Traffic count estimated		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	Primary	Primary	Primary	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	Thermo 42iQ	Met One BAM-1020	Met One BAM-1020
Method code	87	593	74	122	170
FRM/FEM/ARM/Other	FRM	FEM	FRM	FEM	FEM
Collecting Agency	CARB	CARB	CARB	CARB	CARB
Analytical Lab (i.e. weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A	N/A
Reporting Agency	CARB	CARB	CARB	CARB	CARB
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date	11/5/2021	11/5/2021	11/5/2021	11/5/2021	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,	Teflon	Teflon	Teflon	N/A	N/A
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	10.6	10.2	15.5	N/A	N/A
Carbonyls (seconds)	202000 to	2 WARNE	Titaliti di	9 868 B	1000 May 10
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	2/23/2023	2/23/2023	2/23/2023	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	02/23/23 09/06/23	02/23/23 09/06/23

Local Site Name	Visalia – West Ashland Avenue				
AQS ID	Visalia – West Ashland Avenue 06-107-2003				
GPS Coordinates	36.308150N, -119.312900W				
Street Address	2005 W. Ashland Ave., suite G, Visalia CA 93277				
NOROLATIONS & APRIMILATION CONTROL OF THE PROPERTY OF THE PROP		2003 VV. AS	CONTROL DE LA CO	a CA 93211	
County Distance to readyrave (meters)			Tulare		
Distance to roadways (meters)			65 m (west)		
Traffic Count (AADT,year)			26,000		
Ground Cover			Paved		
Representative statistical area name (i.e. MSA, CBSA, other)			Visalia-Porterville		
Pollutant, POC	Ozone, 1	NO2, 1	PM10	PM2.5	
Primary, QA-Audit, Supplementary, or N/A	Primary	Primary	Primary	Primary	
Parameter Code	44201	42602	81102	88101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS	
Site type(s)	General/Background	Population Exposure	Population Exposure	Population Exposure	
Monitor type(s)	SLAMS	SLAMS	SLAMS	SLAMS	
Network affiliation(s)	None	None	None	None	
Instrument manufacturer and model	Teledyne API T400	Thermo 42 IQ	Met One 1020	Met One 1020	
Method code	87	74	122	170	
FRM/FEM/ARM/Other	FEM	FRM	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	01/13/2022	02/04/2022	02/15/2022	01/13/2022	
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)	11.3	11.3	6.3	6.5	
Distance from supporting structure (meters)	2.1	2.1	2.3	2.1	
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)	25	25	20	20	
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,	Teflon	Teflon	N/A	N/A	
Carbonyls (e.g. Pyrex, stainless steel, Teflon)					
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	7.9	7.8	N/A	NA	
Carbonyls (seconds)					
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	Bi-Monthly	Bi-Monthly	
Frequency of one-point QC check for gaseous instruments	5 Days/Week	5 Days/Week	N/A	N/A	
Date of Annual performance evaluation conducted in the past calendar year for gaseous parameters	11/21/24	11/21/24	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	5/13/24, 11/21/24	5/13/2024, 11/21/24	

San Luis Obispo APCD *CARB operated sites outside of the CARB ANP

*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.; 710 to Sherwood Rd.; 10,027 (2017); Creston Rd: 17,347 (2017); US101: 70,500 (2017)				
Ground Cover					
CONTROLLED CONTROL - PAR STREET CONTROLLED C	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,	Teflon	N/A			
Carbonyls (e.g. Pyrex, stainless steel, Teflon)	r secondari	35.44.4			
Residence time for reactive gases NO/NO2/NOy, SO2, O3; PAMS: VOCs,	6.02	N/A			
Carbonyls (seconds)	0.02	1			
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			
Troquency of how rate verification for manual risk samplers, moldaling rib samplers	11// X	14// 1			
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	4/9/24	N/A			
Date of two semi-annual flow rate audits conducted in the past calendar year for	N/A	4/9/24, 10/28/24			
PM monitors					