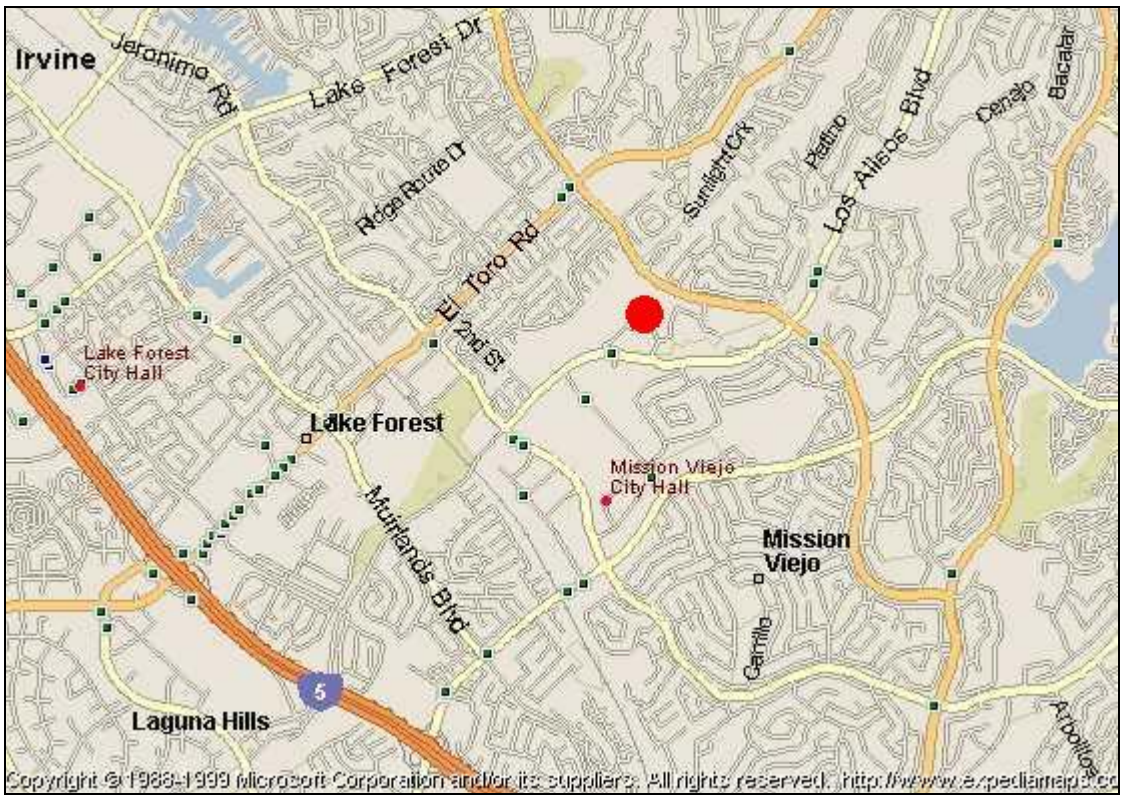
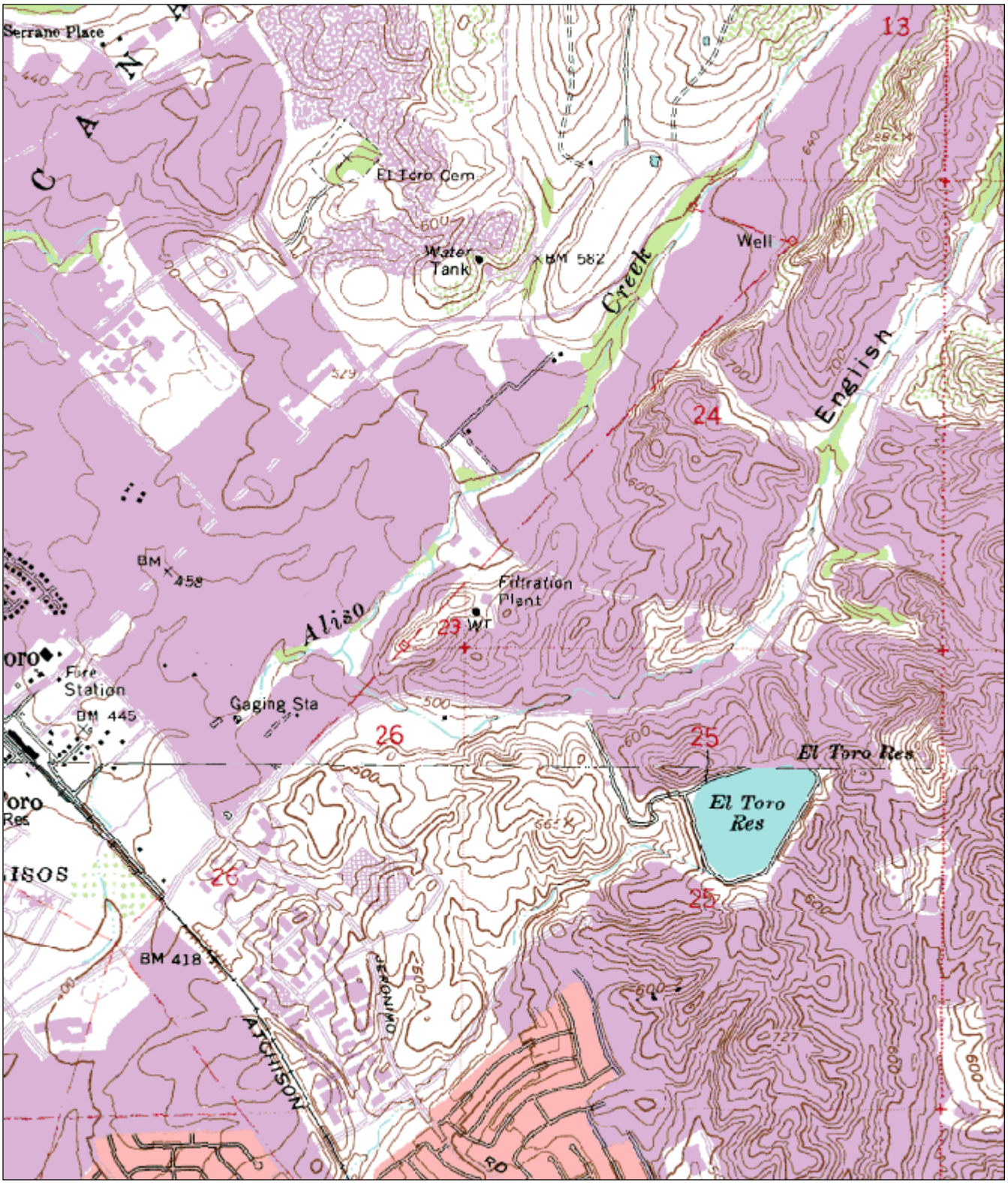
South Coast AQMD
Site Survey Report for Mission Viejo

Last updated: May 11, 2023



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060592022	30002	06/1999	South Coast AQMD (0972)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
26081 Via Pera Mission Viejo, CA 92691	Orange	South Coast	33.630316	-117.675459	171


Serrano Place
El Toro Cem
Water Tank
BM 582
Well
Creek
English
13
24
23
26
25
BM 459
Filtration Plant
WT
Aliso
Fire Station
BM 445
Gaging Sta
El Toro Res
El Toro Res
BM 418
JERONIMO
ATCHISON

Detailed Site Information

Local site name	Mission Viejo
AQS ID	060592022
GPS coordinates (decimal degrees)	Latitude: 33.630316, Longitude: -117.675459
Street Address	26081 Via Pera, Mission Viejo, CA 92691
County	Orange
Distance to roadways (meters)	138
Traffic count (AADT, year)	< 2,000 / 2012
Groundcover (e.g. asphalt, dirt, sand)	Asphalt
Representative statistical area name (i.e. MSA, CBSA, other)	31080-Los Angeles-Long Beach-Anaheim MSA

Pollutant, POC	Carbon Monoxide, 1	Ozone, 1	PM10, 1	Continuous PM2.5, 3
Primary / QA Collocated / Other	N/A	N/A	Primary	Primary
Parameter code	42101	44201	88102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network Affiliation	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Horiba APMA 360	Teledyne T400	Hi Q SSI	Met One BAM 1020
Method code	106	087	063	170
FRM/FEM/ARM/ other	FRM	FEM	FRM	FEM
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	South Coast AQMD	South Coast AQMD
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	06/15/1999	06/15/1999	06/15/1999	01/2020
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:6	Continuous
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	SCAQMD	N/A
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	6.7	6.7	3.4	4.0
Distance from supporting structure (meters)	2.4	2.4	2.4	3.0
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A

Distance from obstructions not on roof (meters)	N/A	N/A	4.8	4.8
Distance from trees (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 collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360°	360°	270°	270°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	N/A	N/A
Residence time for reactive gases (seconds)	11.1	11.4	N/A	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	Yes
Frequency of flow rate verification for manual PM samplers	N/A	N/A	Monthly	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	N/A	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	03/24/2022	03/24/2022	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	03/08/2022 07/27/2022	03/08/2022 *Site closed

Pollutant, POC	WS & D, 1/1	RH/T, 1/1	BP, 1	
Primary / QA Collocated / Other	N/A	N/A	N/A	
Parameter code	61101/61102	62201/62101	64101	
Basic monitoring objective(s)	Research	Research	Research	
Site type(s)	Meteorological	Meteorological	Meteorological	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	RM Young 05305V	Rotronic HC2-S3	Met One 091	
Method code	065/065	063/063	015	
FRM/FEM/ARM/ other	N/A	N/A	N/A	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date (MM/DD/YYYY)	06/2009	06/2009	06/2009	
Current sampling frequency (e.g.1:3, continuous)	Continuous	Continuous	Continuous	
Calculated sampling frequency (e.g. 1:3/1:1)	1:1	1:1	1:1	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	10	9	3.5	
Distance from supporting structure (meters)	10	9	.25	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	N/A	N/A	N/A	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees)	360°	360°	360°	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM 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	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	

Mission Viejo
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Mission Viejo
Site Photos (Cont.)

Looking at the probe from the North.

Looking at the probe from the East.

Looking at the probe from the South.

Looking at the probe from the West.