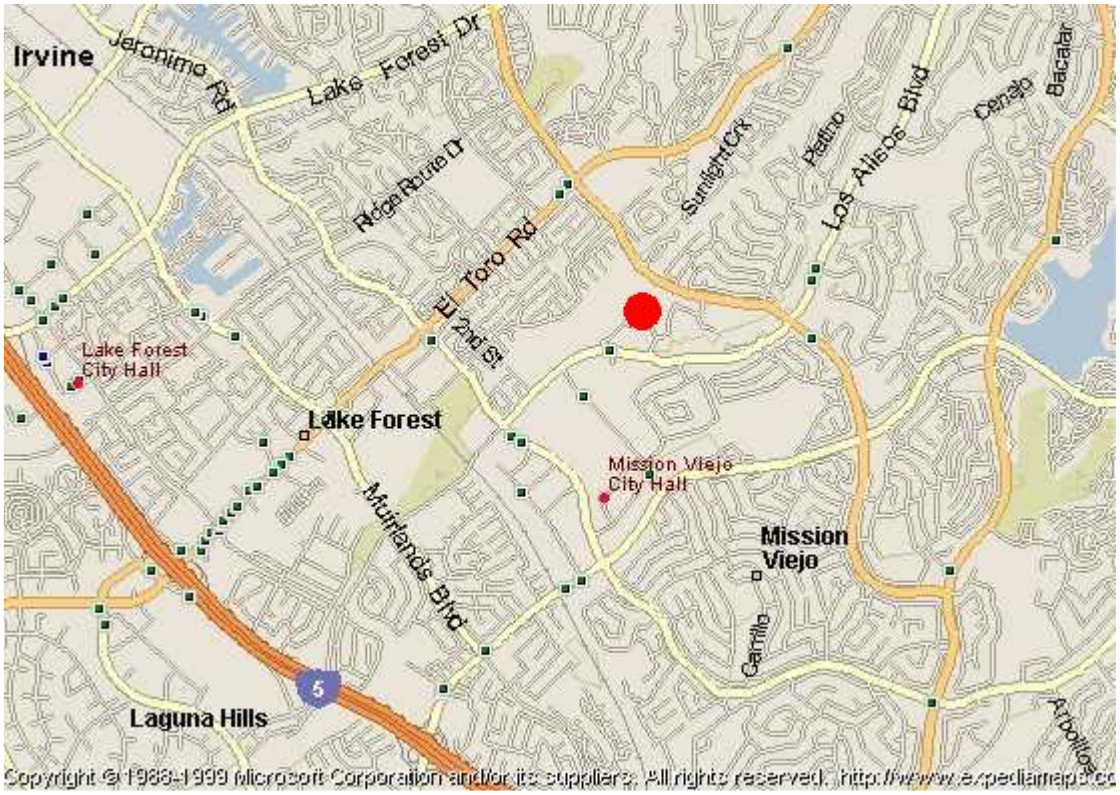
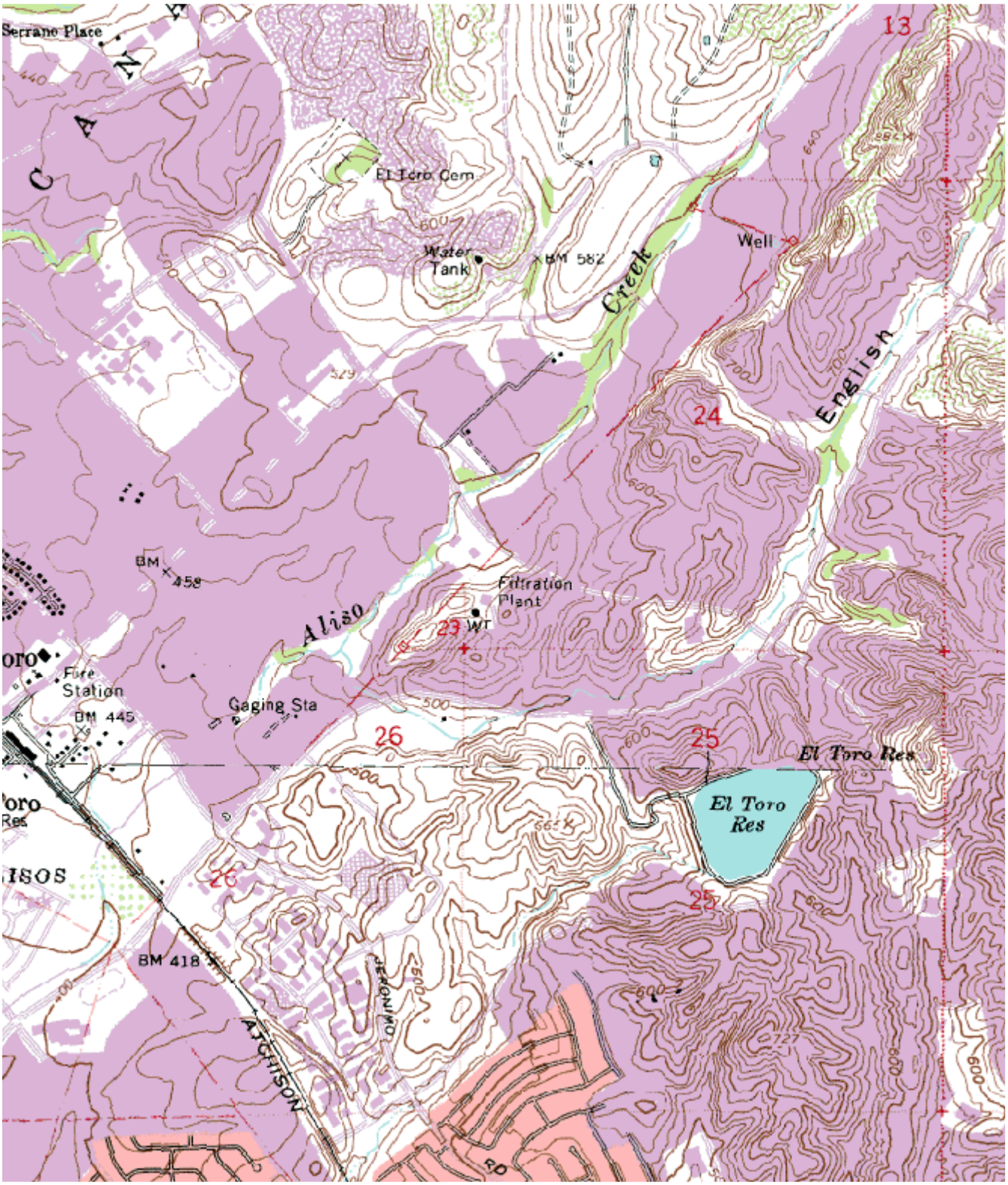
Quality Assurance
Site Survey Report for Mission Viejo

Last updated May, 2014



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060592022	30002	06/1999	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
26081 Via Pera Mission Viejo, CA 92691	Orange	South Coast	33° 37' 48"N	117° 40' 32"W	168



Serrano Place
El Toro Cem
Water Tank
BM 582
Creek
Well
English
13
24
Filtration Plant
23
WT
Aliso
BM 458
Fire Station
BM 445
Gaging Sta
26
25
El Toro Res
El Toro Res
ISOS
BM 418
JERONIMO
ATCHISON
RD

Detailed Site Information

Local site name	Mission Viejo
AQS ID	060592022
GPS coordinates (decimal degrees)	Latitude: 33° 37’ 48” Longitude: 117° 40’ 32”
Street Address	26081 Via Pera, Mission Viejo, CA 92691
County	Orange
Distance to roadways (meters)	138 - 175
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	24 Hour PM2.5, 1
Parameter code	42101	44201	See Table 26	See Table 26
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
Instrument manufacturer and model	Horiba APMA 360	API/Teledyne 400E	Sierra Andersen 1200 SSI	Andersen RAAS PM2.5
Method code	106	087	063, 102	780, 120
FRM/FEM/ARM/ other	FRM	FEM	FRM	FRM
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	N/A	N/A	SCAQMD	SCAQMD
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
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	06/15/1999
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:6	1:3
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	SCAQMD	SCAQMD
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	3.8
Distance from supporting structure (meters)	2.4	2.4	2.4	2.9
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	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	Nightly	Nightly	N/A	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	02/22/2013	02/22/2013	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	06/28/2013, 12/17/2013	06/14/2013, 12/16/2013

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.**