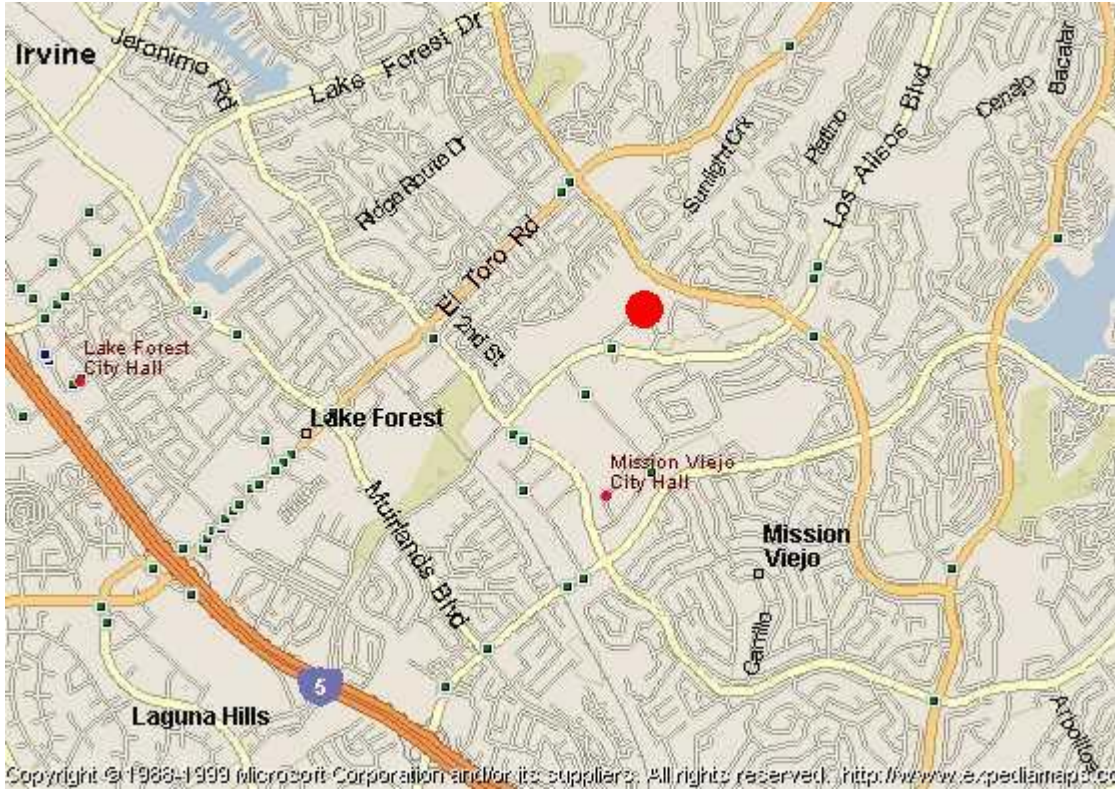
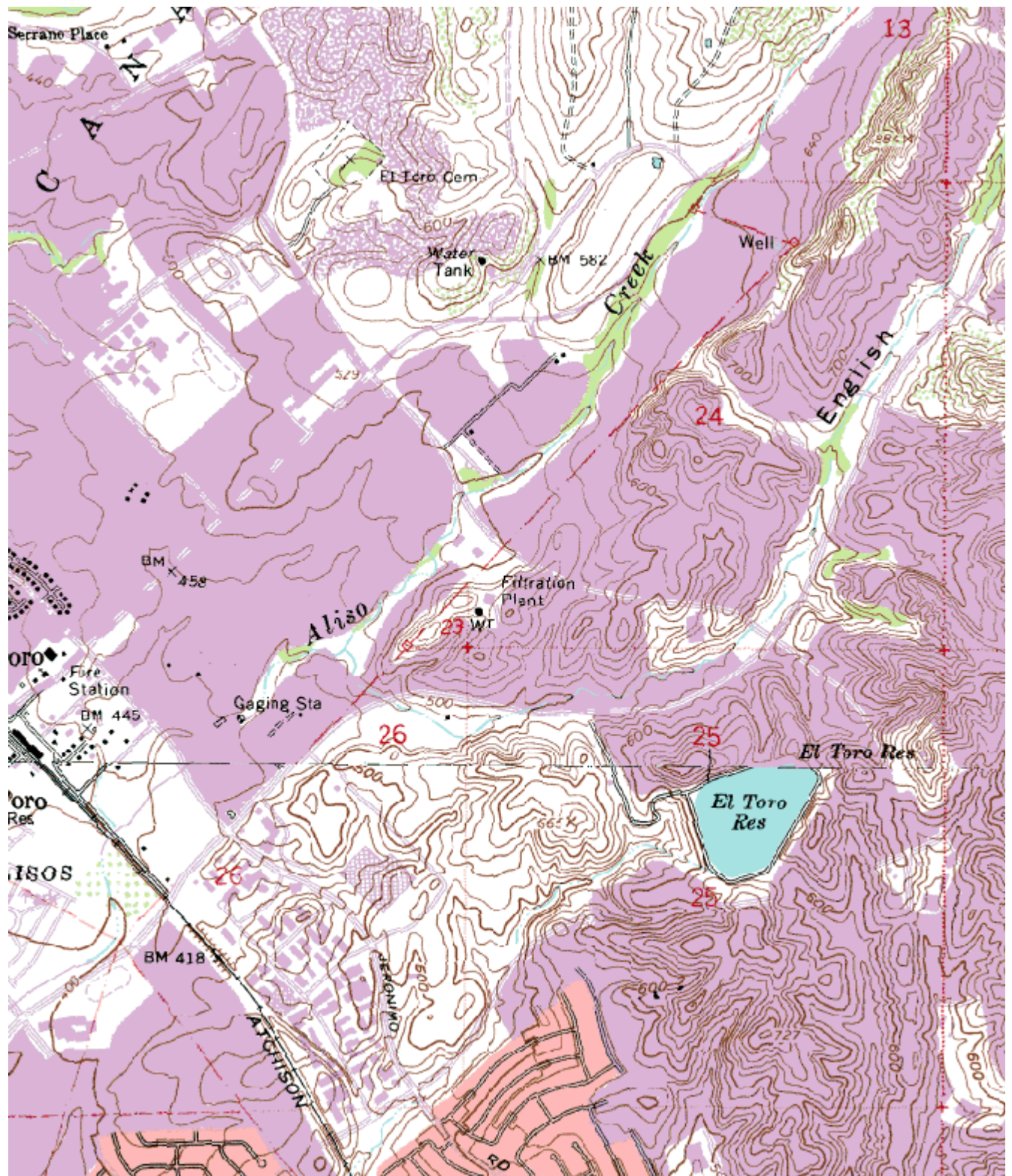


Quality Assurance Site Survey Report for Mission Viejo

Last updated May, 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code			
060592022	30002	06/99	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



Site Survey Report

Siting Information

Site Name: Mission Viejo	Date: 5/26/11	State Code: 30002	AIRS Number: 060592022
Address: 26081 Via Pera Mission Viejo, CA 92691	Latitude: 33° 37' 48"	Longitude: 117° 40' 32"	Elevation (m): 168
	Senior AQIS: Albert Dietrich	Site Technician: Tom Mac	Site Phone: (949) 768-8111
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Residential Distance: 138 – 175 m Count (Veh/Day): < 2000	Topography Site: Level Region: Hilly	Predominant Wind Direction: W Arc Air Flow (Deg): 360 Degrees Probe Last Cleaned: 6/11		
		Meteorology Located With Instruments: Yes	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: South Coast AQMD	Manifold Clean: Yes Cleaning Schedule: 6 Months Autocalibrator Type: EnviroNics 9100
				Urbanization: Suburban	Site Survey Complete: Yes
Ground Cover: Asphalt	Logbook Up To Date: Yes				

Action Items

Comments

Detailed Site Information

Site name	Mission Viejo			
AQS ID (AIRS #)	060592022			
GIS coordinates	Latitude: 33° 37' 48" Longitude: 117° 40' 32"			
Location	El Toro Water District Filter Plant			
Address	26081 Via Pera, Mission Viejo, CA 92691			
County	Orange			
Distance to road	138 - 175 meters			
Traffic count	< 2000 veh/day			
Groundcover	Asphalt			
Representative area	31100-Los Angeles-Long Beach-Santa Ana, CA MSA			
Pollutant	Carbon Monoxide	Ozone	PM10-SSI	PM2.5 RAAS
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Population Oriented	Population Oriented	Population Oriented	Population Oriented
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Instrument type	Primary	Primary	Primary	Primary
Method code	N/A	N/A	N/A	N/A
POC code	1	1	1	1
Instrument manufacturer/model	Horiba APMA 360	API/400E	Sierra Andersen 1200	Andersen 300 RAAS 2.5
Serial #	577274014	527-S	1592	361
Property #	16478	N/A	3981	E000019
Last calibration date	3/16/11	3/17/11	12/30/10`	12/16/10
Analysis method	Non dispersive Infrared	UV Photometric	Gravimetric	Gravimetric
Start date	06/15/99	06/15/99	06/15/99	06/15/99
Operation schedule	1:1	1:1	1:6	1:3
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.7	6.7	3.4	3.8
Distance from supporting structure	2.4	2.4	2.4	2.9
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	4.8	4.8
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	N/A
Unrestricted airflow	Yes	Yes	270°	270°
Probe material	Teflon	Teflon	N/A	N/A
Residence time	11.1	11.4	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	Yes

Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	Monthly	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	Nightly	Nightly	N/A	N/A
Date of last annual performance evaluation	3/22/11	3/22/11	N/A	N/A
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	5/28/10	5/28/10
	N/A	N/A	12/15/10	12/15/10
Date of past year's PM2.5-PEP audit	N/A	N/A	N/A	6/2/11
Date of past year's Pb-PEP audit	N/A	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.