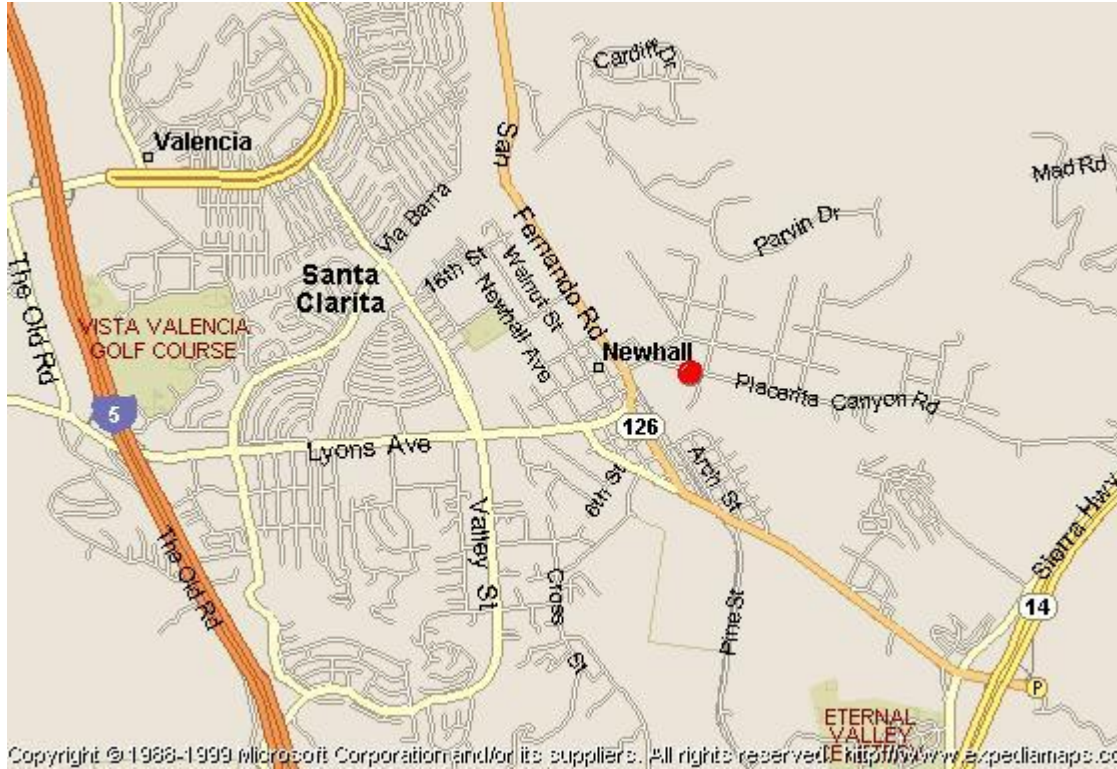
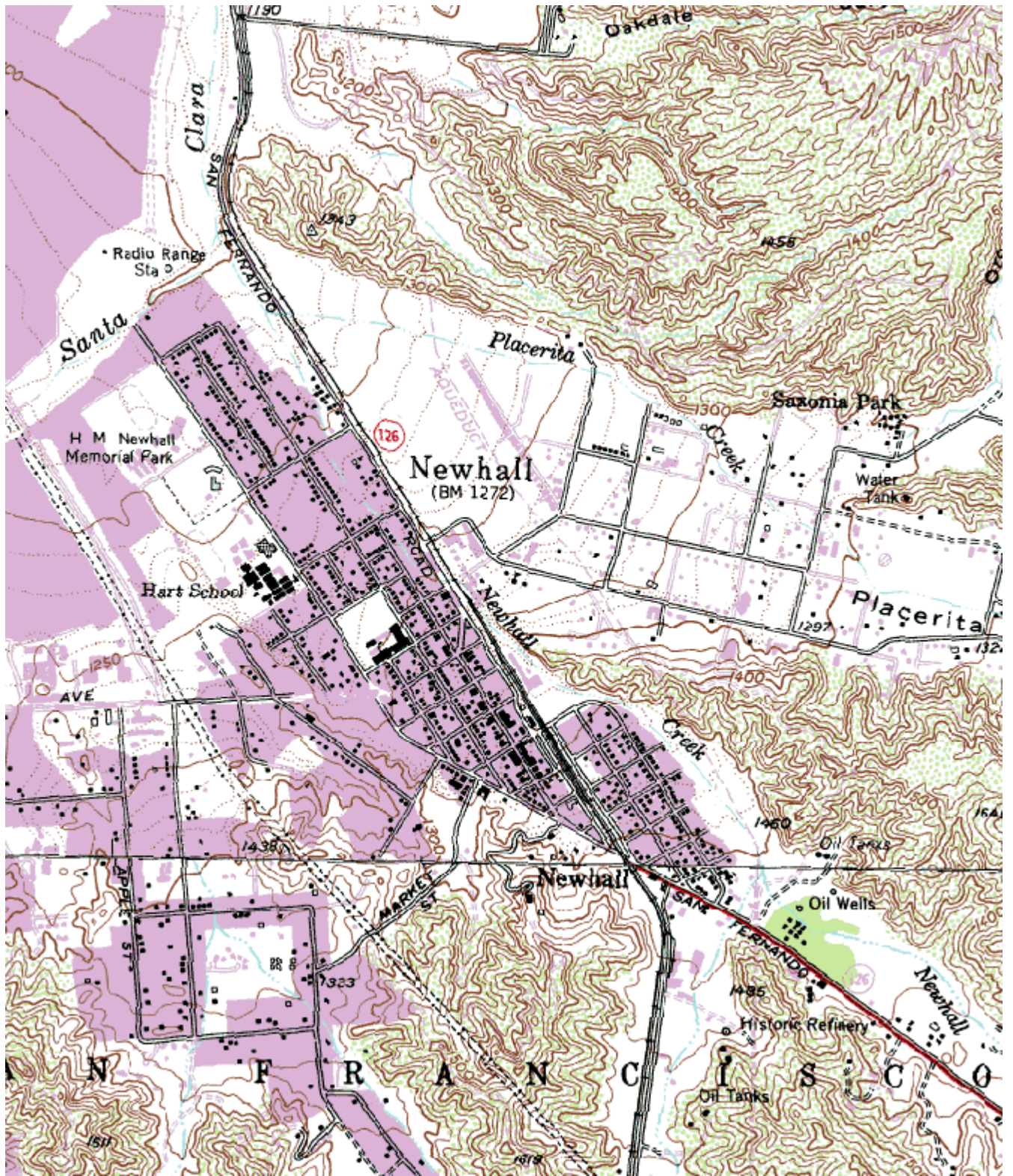


# Quality Assurance Site Survey Report for Santa Clarita-Placerita

Last updated May, 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code			
060376012	70090	05/01	<a href="#">South Coast AQMD (061)</a>			
Site Address		County	Air Basin	Latitude	Longitude	Elevation
22224 Placerita Canyon Rd Santa Clarita, CA 91321		<a href="#">Los Angeles</a>	<a href="#">South Coast</a>	34° 23' 0"N	118° 31' 42"W	386



# Site Survey Report

## Siting Information

Site Name: Santa Clarita-Placerita	Date: 5/27/10	State Code: 70090	AIRS Number: 060376012
Address: 22224 Placerita Canyon Rd. Santa Clarita, CA 91321	Latitude: 34° 23' 0"	Longitude: 118° 31' 42"	Elevation (m): 386
	Senior AQIS: Albert Dietrich	Site Technician: Norm Broellos	Site Phone: (661) 287-3785
Operating Agency: South Coast AQMD			

## General Siting Conditions

<b>Station Temperature</b>	<b>Traffic</b>	<b>Topography</b>	Predominant Wind Direction: SE	
			Arc Air Flow (Deg): 360 Degrees	
			Probe Last Cleaned: 6/11	
Controlled: Yes  Recorded: Yes	Description: Residential	Site: Level	<b>QA Manual</b>	
		Distance: 91 meters		Region: Hilly
	Count (Veh/Day): 5000	Approved: Yes	Manifold Clean: Yes	
	<b>Meteorology</b>	<b>Non-vehicular Local Sources</b>	Agency: South Coast AQMD	Cleaning Schedule: 6 Months
			Urbanization: Suburban	Autocalibrator Type: Envionics 9100
Ground Cover: Asphalt			Site Survey Complete: Yes	
Located With Instruments: Yes	Description: None		Logbook Up To Date: Yes	
	Distance: N/A			
	Direction: N/A			

## Action Items

## Comments

## Detailed Site Information

Site name	Santa Clarita-Placerita			
AQS ID (AIRS #)	060376012			
GIS coordinates	Latitude: 34° 23' 0" Longitude: 118° 31' 42"			
Location	LA County Road Yard			
Address	22224 Placerita Canyon, Santa Clarita, CA 91321			
County	Los Angeles			
Distance to road	91 meters			
Traffic count	5,000 veh/day			
Groundcover	Asphalt			
Representative area	31100-Los Angeles, Long Beach, Santa Ana, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10-SSI
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Population Oriented	Population Oriented	Highest Concentration	Population Oriented
Spatial scale	Neighborhood Scale	Neighborhood Scale	Urban 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 200	API/Teledyne 400	Sierra Andersen 1200
Serial #	577274015	262	509-S	1565
Property #	0016213	E000217	N/A	N/A
Last calibration date	2/23/11	4/17/11	2/23/11	1/12/11
Analysis method	Non dispersive infrared	Chemiluminescence	UV Photometric	Gravimetric
Start date	05/01	05/01	05/01	05/01
Operation schedule	1:1	1:1	1:1	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	4.4	4.4	4.4	2.4
Distance from supporting structure	1.8	1.8	1.8	1.4
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	30	30	30	30
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	Yes	Yes
Probe material	Teflon	Teflon	Teflon	N/A
Residence time	6.0	7.1	6.6	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A

Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	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	Nightly	N/A
Date of last annual performance evaluation	10/26/10	10/26/10	10/26/10	N/A
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	5/27/10
	N/A	N/A	N/A	10/22/10
Date of past year's PM2.5-PEP audit	N/A	N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	N/A

Pollutant	Carbonyl-PAMS	VOC-PAMS	VOC-PAMS	NON FEM PM2.5 BAM
Site type	PAMS	PAMS	PAMS	SLAMS
Monitor objective	Highest Concentration	Highest Concentration	Highest Concentration	Population Oriented
Spatial scale	Urban Scale	Urban Scale	Urban Scale	Neighborhood Scale
Instrument type	Primary	Primary	Primary	Primary
Method code	N/A	N/A	N/A	731
POC code	1	1	1	3
Instrument manufacturer/model	Atec Model 8000	RM Environmental Systems Inc. 910A	RM Environmental Systems Inc. 910A & Xontec 912	Met One BAM 1020
Serial #	25210	005097	005098 / 3068	3169
Property #	E000298	E000156	E000157 / 0013086	ARB 20021149
Last calibration date	6/11	6/11	6/11	3/23/11
Analysis method	TO-15 PAMS	TO-15 PAMS	TO-15 PAMS	Beta attenuation
Start date	05/01	05/01	05/01	10/23/08
Operation schedule	1:6 / 1:3	1:6 / 1:3	1:6 / 1:3	1:1
Sampling season	Seasonal	All year	All Year	All year
Probe height	4.4	4.4	4.4	5.4
Distance from supporting structure	1.8	1.8	1.8	1.8
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	16	16	16	16
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	Yes	Yes
Probe material	SS	SS	SS	SS
Residence time				
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	No
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	Monthly
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Date of last annual performance evaluation	N/A	N/A	N/A	N/A
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
Date of past year's PM2.5-PEP audit	N/A	N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	N/A

**Santa Clarita-Placerita  
Site Photos**



**Looking North from the probe.**



**Looking East from the probe.**



**Looking South from the probe.**



**Looking West from the probe.**

**Santa Clarita-Placerita  
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.**