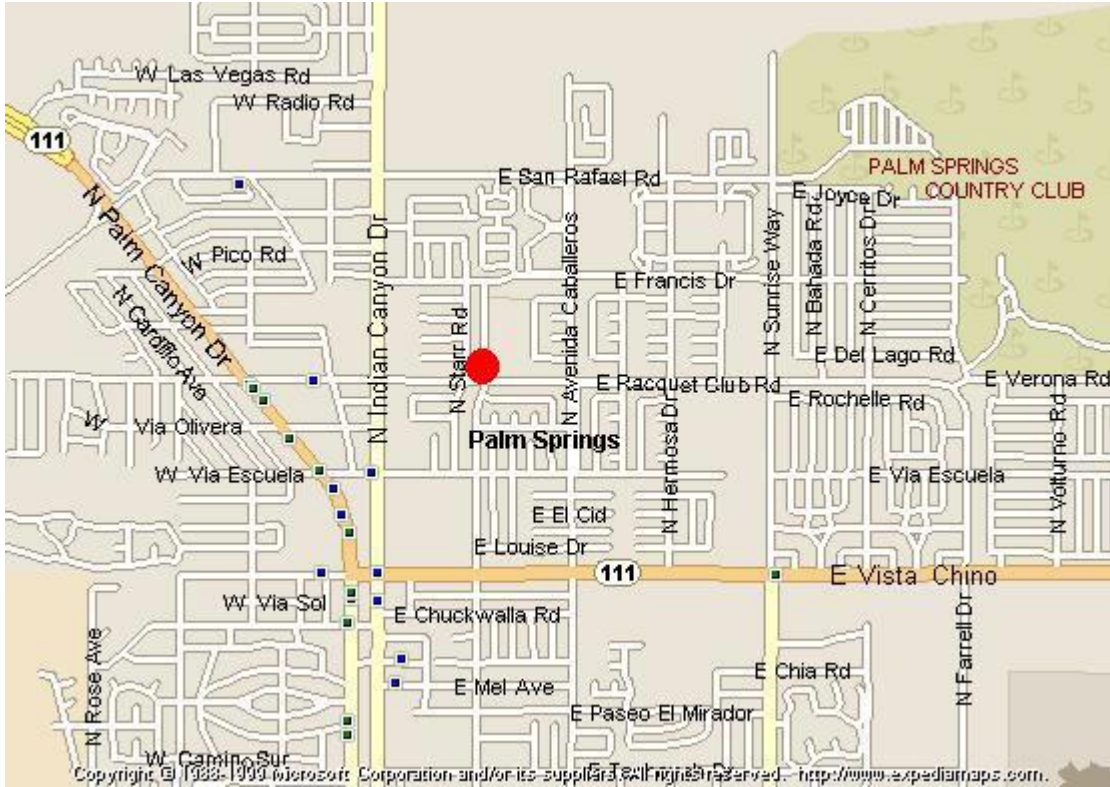


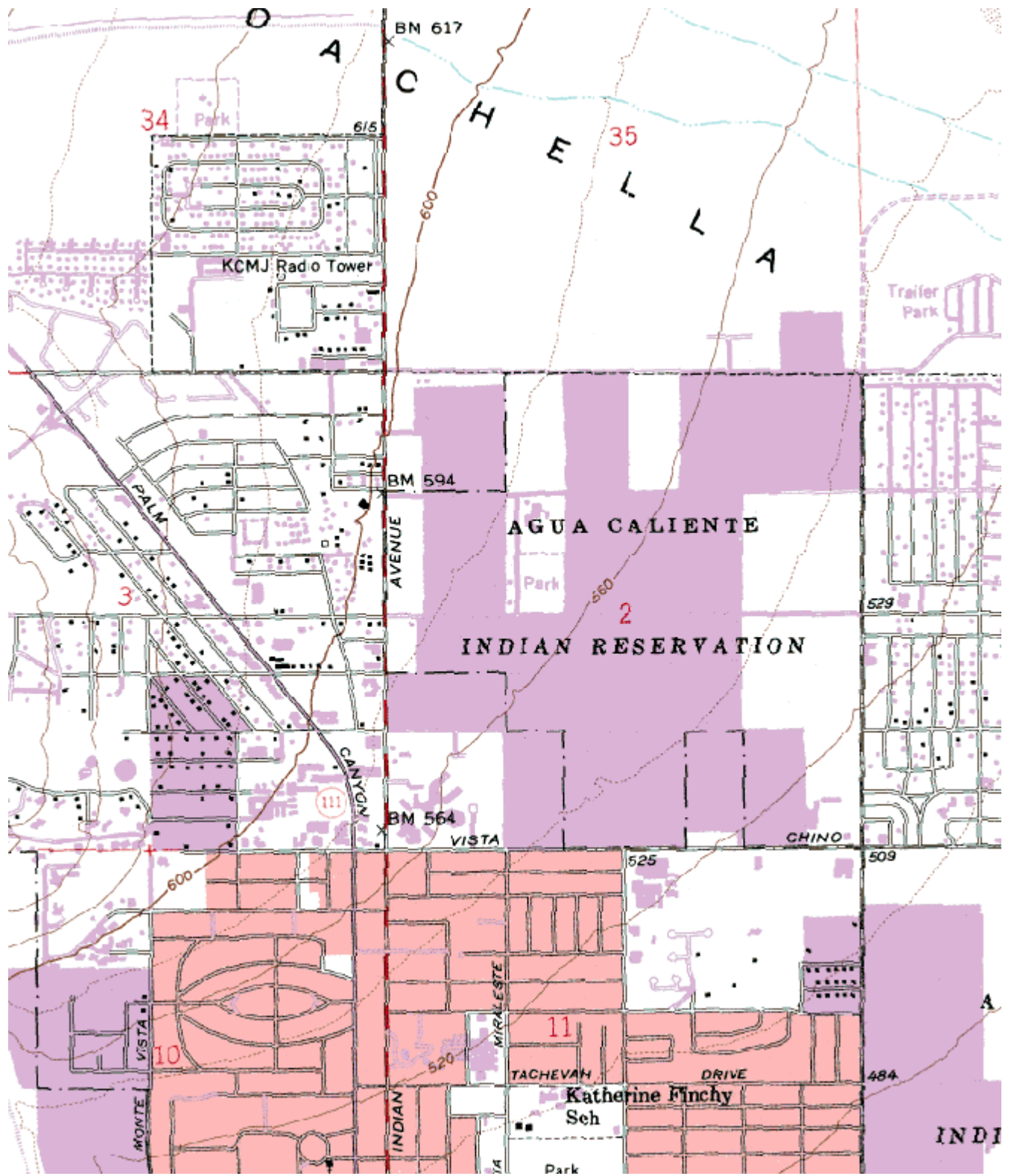
Quality Assurance Site Survey Report for Palm Springs-Fire Station

Last updated May, 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060655001	33137	04/71	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
590 E Racquet Club Ave Palm Springs, CA 92262	Riverside	Salton Sea	33° 51' 09"N	116° 32' 27"W	174



Site Survey Report

Siting Information

Site Name: Palm Springs-Fire Station	Date: 5/26/11	State Code: 33137	AIRS Number: 060655001
Address: 590 East Racquet Club Ave Palm Springs, CA 92262	Latitude: 33° 51' 09"	Longitude: 116° 32' 27"	Elevation (m): 174
	Senior Tech: Keith Brown	Site Technician: Brandon Feenstra	Site Phone: (760) 327-3004
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Suburban Distance: 13 - 17 meters Count (Veh/Day): 5000	Topography Site: Level Region: Valley	Predominant Wind Direction: E
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A
Manifold Clean: Yes			
Urbanization: Suburban Ground Cover: Asphalt	Cleaning Schedule: 6 Months		
	Autocalibrator Type: Envionics 9100		
	Site Survey Complete: Yes		
Logbook Up To Date: Yes			

Action Items

Comments

Detailed Site Information

Site name	Palm Springs-Fire Station			
AQS ID (AIRS #)	060655001			
GIS coordinates	Latitude: 33° 51' 09" Longitude: 116° 32' 27"			
Location	Fire Station			
Address	590 East Racquet Club Ave., Palm Springs, CA 92262			
County	Riverside			
Distance to road	13 - 17 meters			
Traffic count	5,000 veh/day			
Groundcover	Concrete			
Representative area	40140-Riverside-San Bernardino-Ontario, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10 SSI
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	Thermo 42i	Teledyne 400E	GMW 2000
Serial #	41522310121	CM08360040	522-S	3771
Property #	16508	16740	N/A	4937
Last calibration date	5/10/11	4/1/11	12/16/10	1/11/11
Analysis method	Non dispersive infrared	Chemiluminescence	UV Photometric	Gravimetric
Start date	04/71	04/71	04/71	04/71
Operation schedule	1:1	1:1	1:1	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	5.0	5.0	5.0	2.46
Distance from supporting structure	2.0	2.0	2.0	1.5
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	22	22	22	19
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	2.1
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	Teflon	Teflon	Teflon	N/A
Residence time	8.3	9.5	9.3	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	12/1/10	12/1/10	12/1/10	N/A
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	6/8/10
	N/A	N/A	N/A	12/14/10
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	Continuous PM10 TEOM	PM2.5 RAAS		
Site type	SLAMS	SLAMS		
Monitor objective	Population Oriented	Representative Concentration		
Spatial scale	Neighborhood Scale	Neighborhood Scale		
Instrument type	Audit	Primary		
Method code	079	N/A		
POC code	3	1		
Instrument manufacturer/model	TEOM 1400A	Andersen RAAS PM2.5		
Serial #	140AB263220607	422		
Property #	E000340	N/A		
Last calibration date	3/13/11	3/29/11		
Analysis method	TEOM	Gravimetric		
Start date	06/02/09	12/26/99		
Operation schedule	1:1	1:3		
Sampling season	All Year	All Year		
Probe height	4.7	2.9		
Distance from supporting structure	1.7	1.9		
Distance from obstructions on roof	N/A	N/A		
Distance from obstructions not on roof	N/A	N/A		
Distance from trees	19	19		
Distance to furnace or incinerator flue	N/A	N/A		
Distance between collocated monitors	N/A	N/A		

Unrestricted airflow	Yes	Yes		
Probe material	N/A	N/A		
Residence time	N/A	N/A		
Will there be changes within the next 18 months?	No	No		
Is it suitable for comparison against the annual PM2.5?	N/A	Yes		
Frequency of flow rate verification for manual PM samplers audit	N/A	Monthly		
Frequency of flow rate verification for automated PM analyzers audit	Monthly	N/A		
Frequency of one-point QC check (gaseous)	N/A	N/A		
Date of last annual performance evaluation	N/A	N/A		
Dates of semi-annual flow rate audits for PM monitors	Scheduled	6/8/10		
	Scheduled	12/14/10		
Date of past year's PM2.5-PEP audit	N/A	Scheduled		
Date of past year's Pb-PEP audit	N/A	N/A		

**Palm Springs-Fire Station
Site Photos**



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.



Looking North from the probe.

**Palm Springs-Fire Station
Site Photos (Cont.)**



Looking at the probe from the East.



Looking at the probe from the South.



Looking at the probe from the West.



Looking at the probe from the North.