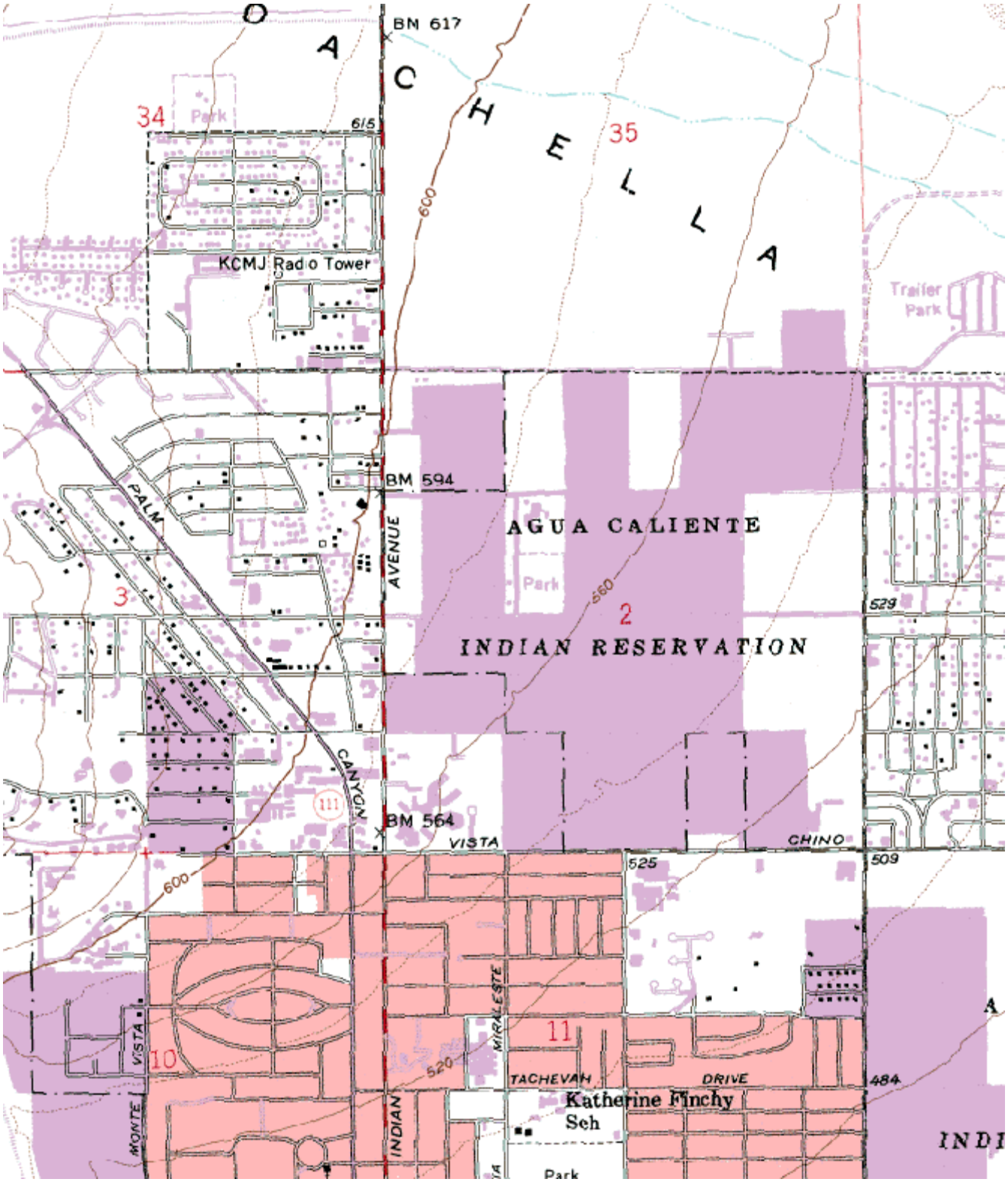
Quality Assurance
Site Survey Report for Palm Springs-Fire Station

Last updated May 2008

AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060655001	33137	12/26/99	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"	116° 32' 27"	174


BN 617
34
Park
615
KCMJ Radio Tower
35
600
Trailer Park
BM 594
AGUA CALIENTE
Park
AVENUE
PALM
3
2
560
529
INDIAN RESERVATION
CANYON
111
BM 564
VISTA
CHINO
525
509
600
MIRALESTE
11
10
VISTA
520
TACHEVAH
DRIVE
484
Katherine Finchy
Sch
MONTE
INDIAN
Park

Site Survey Report

Siting Information

Site Name: Palm Springs-Fire Station	Date: 05/14/08	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: Phep Nguyen	Site Phone: (760) 327-3004
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature	**Traffic**	**Topography**	Predominant Wind Direction: E
Controlled: Yes	Description: Urban	Site: Level	Arc Air Flow (Deg): 360 Degrees
Recorded: Yes	Distance: 10 meters	Region: Valley	Probe Last Cleaned:05/08
	Count (Veh/Day): 5000	**QA Manual**	Manifold Clean: Yes
Meteorology	**Non-vehicular Local Sources**	Approved: Yes	Cleaning Schedule: 6 Months
Located With Instruments: Yes	Description: None	Agency: South Coast AQMD	Autocalibrator Type: Environics 100
	Distance: N/A	Urbanization: Suburban	Site Survey Complete: Yes
	Direction: N/A	Ground Cover: Asphalt	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			
Dist. to road	10 meters			
Traffic count	5,000 veh/day			
Groundcover	Asphalt			
PEP audit?	02/27/08			
NPAP audit?	12/03/07			
Flow audit?	05/07			
Representative Area	40140-Riverside-San Bernardino-Ontario, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	PM10 SSI
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Horiba APMA-360	API 200A	Teledyne 400E	GMW 2000
Serial #	41522310121	1954	522-S	N/A
Property #	16508	16504	N/A	4937
Last Calibration Date	03/28/08	03/17/08	03/25/08	04/10/08
Analysis method	N/A	N/A	N/A	Weighed by SCAQMD lab
Start date	01/83	01/83	01/83	01/83
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	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	Yes	Yes
Probe material	Teflon	Teflon	Teflon	N/A
Residence time	< 20	< 20	< 20	<20
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	N/A
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)	N/A	N/A	Nightly	N/A
Last Annual Performance Evaluation (gaseous)	05/07	05/07	05/07	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	05/07, 11/07

Pollutant	PM10 BAM	PM2.5		
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION		
Spatial scale	Neighborhood Scale	Neighborhood Scale		
Sampling method	BAM PM10	Andersen 300		
Serial #	173	422		
Property #	12480	N/A		
Last Calibration Date	03/28/08	03/28/07		
Analysis method	N/A	Weighed by SCAQMD lab		
Start date	12/26/99	12/26/99		
Operation schedule	Cont	1:3		
Sampling season	All Year	All Year		
Probe height	4.74	2.9		
Distance from supporting structure	1.74	1.9		
Distance from obstructions on roof	N/A	N/A		
Distance from obstructions not on roof	N/A	N/A		
Distance from trees	N/A	N/A		
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	SS		
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	Monthly	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		
Last Annual Performance Evaluation (gaseous)	N/A	N/A		
Last two semi-annual flow rate audits for PM monitors	N/A	05/07, 11/07		

Palm Springs-Fire Station
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Palm Springs-Fire Station
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.