

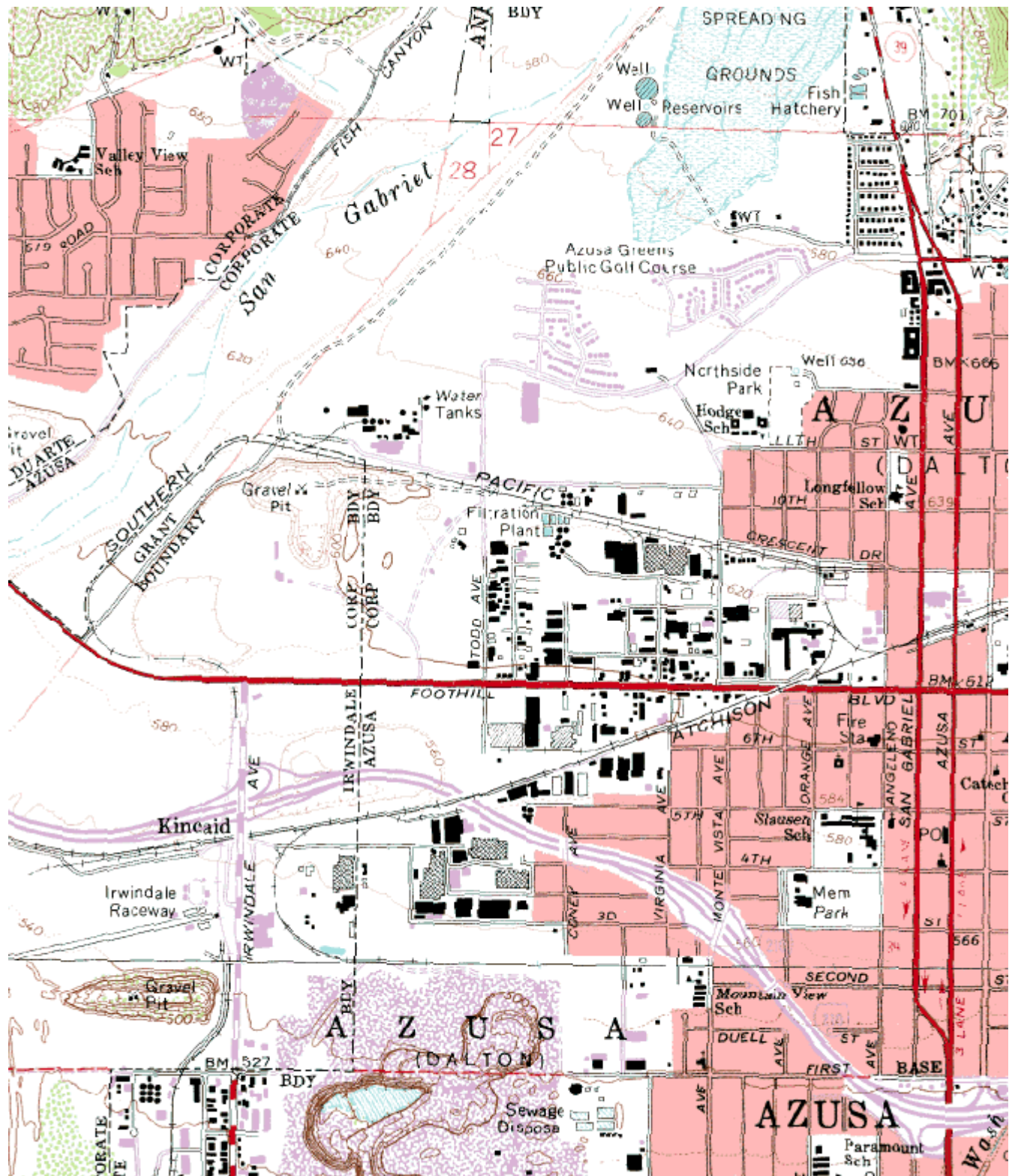
South Coast AQMD Site Survey Report for Azusa

Last updated May, 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060370002	70060	01/57	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
803 N. Loren Ave Azusa, CA 91702	Los Angeles	South Coast	34° 08' 11"N	117° 55' 26"W	187



Site Survey Report

Siting Information

Site Name: Azusa	Date: 5/18/11	State Code: 70060	AIRS Number: 060370002
Address: 803 N. Loren Ave Azusa, CA 91702	Latitude: 34° 08' 11"	Longitude: 117° 55' 26"	Elevation (m): 187
	Senior AQIS: Albert Dietrich	Site Technician: Norm Broellos	Site Phone: (626) 969-5630
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Urban Distance: 14.5 – 18.5 m Count (Veh/Day): < 500	Topography Site: Level Region: Level	Predominant Wind Direction: West Arc Air Flow (Deg): 360 Degrees Probe Last Cleaned: 06/11		
		Meteorology Located With Instruments: Yes	Non-vehicular Local Sources Description: Welding Shop Distance: 26 Direction: SW	QA Manual Approved: Yes Agency: South Coast AQMD	Manifold Clean: Yes Cleaning Schedule: 6 Months Autocalibrator Type: Environics 100
				Urbanization: Suburban Ground Cover: Asphalt	Site Survey Complete: Yes Logbook Up To Date: Yes

Action Items

Comments

Detailed Site Information

Site name	Azusa			
AQS ID (AIRS #)	060370002			
GIS coordinates	Latitude: 34° 08' 11" Longitude: 117° 55' 26"			
Location	Industrial Park			
Address	803 N Loren Ave, Azusa, CA 91702			
County	Los Angeles			
Distance to road	14.5 – 18.5 m			
Traffic count	< 500 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 Exposure	Population Exposure	Population Exposure	Population Exposure
Spatial scale	Neighborhood Scale	Urban 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 370	Thermo 42i	API/Teledyne 400	Sierra Andersen 1200
Serial #	DOOOVAVVC	267	534-S	N/A
Property #	E000345	E0016723	N/A	4933
Last calibration date	3/15/11	3/15/11	2/4/11	4/1/11
Analysis method	Non dispersive infrared	Chemiluminescence	UV Photometric	Gravimetric
Start date	01/57	01/57	01/57	01/04/99
Operation schedule	1:1	1:1	1:1	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	5.5	5.5	5.5	5.1
Distance from supporting structure	2	2	2	2
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	13.8	14.2	15.4	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	2/24/11	2/24/11	2/24/11	N/A
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	5/25/10
	N/A	N/A	N/A	10/27/10
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	PM2.5 RAAS	Metals Cr-6, Carbonyl (ARB Toxics)	VOC-PAMS 8x3	VOC-PAMS 24 hour
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Population Exposure	Population Exposure	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Urban Scale	Urban Scale
Instrument type	Primary	CARB Toxics	PAMS – Primary	PAMS – Primary
Method code	N/A	N/A	N/A	N/A
POC code	1	N/A		
Instrument manufacturer/model	Andersen RAAS PM2.5	Xontech 924	Xontech 910	Xontech 910
Serial #	00376	9241011	5472	2127
Property #	E000017	200021471	306	0006003
Last calibration date	10/28/10	08/11/09	10/01/10	10/01/10
Analysis method	Gravimetric	Completed by ARB	TO-14 PAMS	TO-14 PAMS
Start date	01/04/99	01/04/99	01/04/99	01/04/99
Operation schedule	Daily	1:12	1:6 / 1:3	1:6 / 1:3
Sampling season	All Year	All Year	Seasonal	All Year
Probe height	5.5	5.6	5.5	5.5
Distance from supporting structure	2.0	2.0	2.0	2.0
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	26	26	26	26
Distance between collocated monitors	N/A	N/A	N/A	N/A

Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	SS	SS
Residence time	N/A	N/A	< 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?	Yes	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	Monthly	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	Annually	Annually
Date of last annual performance evaluation	N/A	N/A	6/11	6/11
Dates of semi-annual flow rate audits for PM monitors	5/19/11	N/A	N/A	N/A
	10/22/11	N/A	N/A	N/A
Date of past year's PM2.5-PEP audit		N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	N/A

Pollutant	VOC (ARB Toxics)	TSP – SO4		
Site type	SLAMS	SLAMS		
Monitor objective	Population Exposure	Population Exposure		
Spatial scale	Neighborhood Scale	Neighborhood		
Instrument type	CARB Toxics	CARB SO4		
Method code	N/A	N/A		
POC code	N/A	1		
Instrument manufacturer/model	Xontech 910	GMW/Anderson 1200 TSP		
Serial #	ARB 20004511 / 07582	N/A		
Property #	N/A	1578		
Last calibration date	05/07/07	4/22/11		
Analysis method	Completed by ARB Lab	AQMD SOP#0003: Anion Analysis of Filters by Ion Chromatography		
Start date	01/04/99			
Operation schedule	1:12	1:6		
Sampling season	All Year	All Year		
Probe height	5.5	5.5		
Distance from supporting structure	1.55	2		
Distance from obstructions on roof	N/A	N/A		

Distance from obstructions not on roof	NA	NA		
Distance from trees	23	23		
Distance to furnace or incinerator flue	N/A	N/A		
Distance between collocated monitors	N/A	N/A		
Unrestricted airflow	Yes	Yes		
Probe material	Teflon	N/A		
Residence time	< 20 sec	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	N/A		
Frequency of flow rate verification for manual PM samplers audit	N/A	Monthly		
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A		
Frequency of one-point QC check (gaseous)	N/A	N/A		
Date of last annual performance evaluation	6/11	N/A		
Dates of semi-annual flow rate audits for PM monitors	N/A	6/11		
	N/A	6/11		
Date of past year's PM2.5-PEP audit	N/A	N/A		
Date of past year's Pb-PEP audit	N/A	N/A		

**Azusa
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Azusa
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.