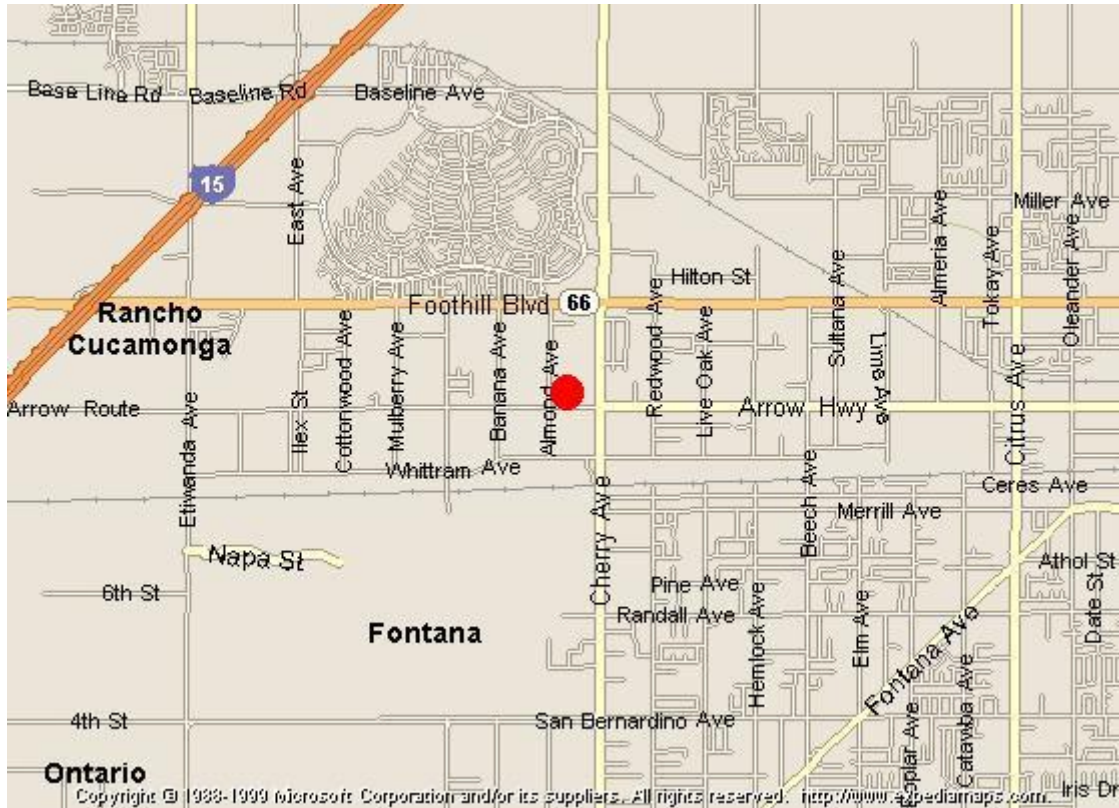


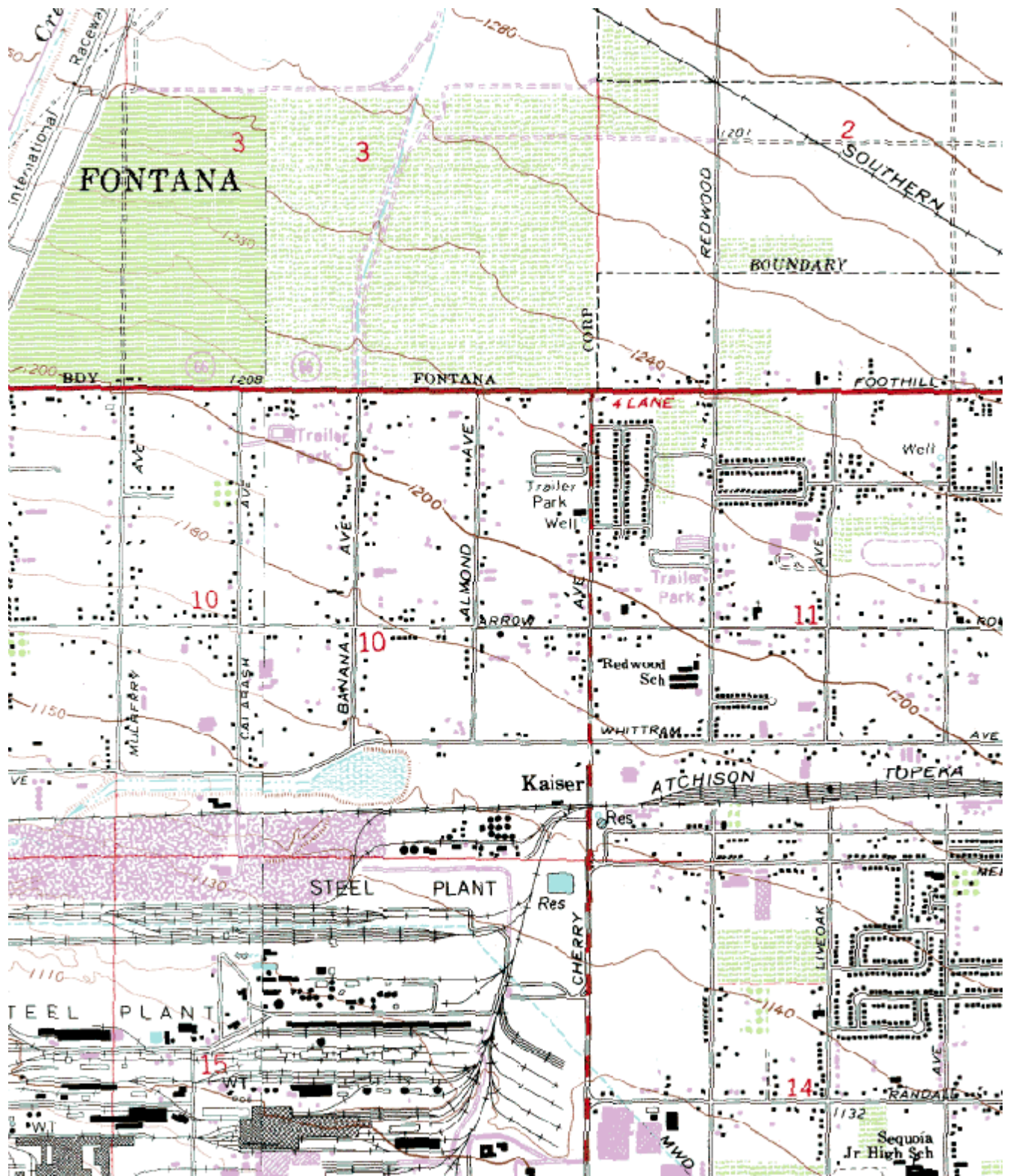
South Coast AQMD Site Survey Report for Fontana-Arrow Highway

Last updated May 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060712002	36197	08/81	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
14360 Arrow Hwy Fontana, CA 92335	San Bernardino	South Coast	34° 06' 0"N	117° 29' 31"W	363



Site Survey Report

Siting Information

Site Name: Fontana-Arrow Hwy	Date: 5/20/11	State Code: 36197	AIRS Number: 060712002
Address: 14360 Arrow Hwy Fontana, CA 92335	Latitude: 34° 06' 0"	Longitude: 117° 29' 31"	Elevation (m): 363
	Senior AQIS: Keith Brown	Site Technician: Richard Rodgers	Site Phone: (909) 823-8002
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Arterial Distance: 86 - 92 meters Count (Veh/Day): 12500	Topography Site: Level	Predominant Wind Direction: S
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: South Coast AQMD Urbanization: Suburban Ground Cover: Gravel	Probe Last Cleaned: 6/11
Manifold Clean: Yes			
Cleaning Schedule: 6 Months			
Autocalibrator Type: Environics 9100			
Meteorology Located With Instruments: Yes	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Site Survey Complete: Yes	
		Logbook Up To Date: Yes	

Action Items

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Comments

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Detailed Site Information

Site name	Fontana-Arrow Highway			
AQS ID (AIRS #)	060712002			
GIS coordinates	Latitude: 34° 06' 0", Longitude: 117° 29' 31"			
Location	Fire Station			
Address	14360 Arrow Highway, Fontana, CA 92335			
County	San Bernardino			
Distance to road	86 – 92 meters			
Traffic count	12500 veh/day			
Groundcover	Gravel			
Representative area	40140-Riverside-San Bernardino-Ontario, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
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-360	Teledyne 200-E	API/Teledyne 400E	Thermo 43i
Serial #	41683490012	251	529-S	0831832123
Property #	0016514	E204	N/A	16747
Last calibration date	11/23/10	5/3/11	11/12/10	4/21/11
Analysis method	Non dispersive infrared	Chemiluminescence	UV Photometric	Pulsed fluorescence
Start date	08/81	08/81	08/81	08/81
Operation schedule	1:1	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	4.02	4.02	4.02	4.02
Distance from supporting structure	1.52	1.52	1.52	1.52
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	Teflon
Residence time	5.1	6.1	5.5	6.5
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)	Nightly	Nightly	Nightly	Nightly
Date of last annual performance evaluation	3/8/11	3/8/11	3/8/11	3/8/11
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

Pollutant	PM10-SSI	PM2.5 SASS	PM2.5 RAAS	TSP – SO4-A
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Highest Concentration	Population exposure	Population Exposure	Population Exposure
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	GMW 1200	SASS MetOne	Andersen RAAS2.5-300	GMW 1200
Serial #	179077	C4160	93	54422
Property #	4991	E232	N/A	1552
Last calibration date	4/7/11	4/22/11	09/02/10	4/1/11
Analysis method	Gravimetric	Gravimetric	Gravimetric	Gravimetric
Start date	08/81	02/20/04	12/04/98	12/04/98
Operation schedule	1:6	1:6	1:3	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	2.4	2.9	2.9	2.4
Distance from supporting structure	1.5	1.9	1.9	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	N/A	N/A	N/A	N/A
Residence time	N/A	N/A	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	Yes	No
Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	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)	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	6/2/10	6/2/10	6/2/10	6/2/10
	12/23/10	12/23/10	12/23/10	12/23/10
Date of past year's PM2.5-PEP audit	N/A	N/A	Scheduled	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	SO4 Only

**Fontana-Arrow Highway
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Fontana-Arrow Highway
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.