

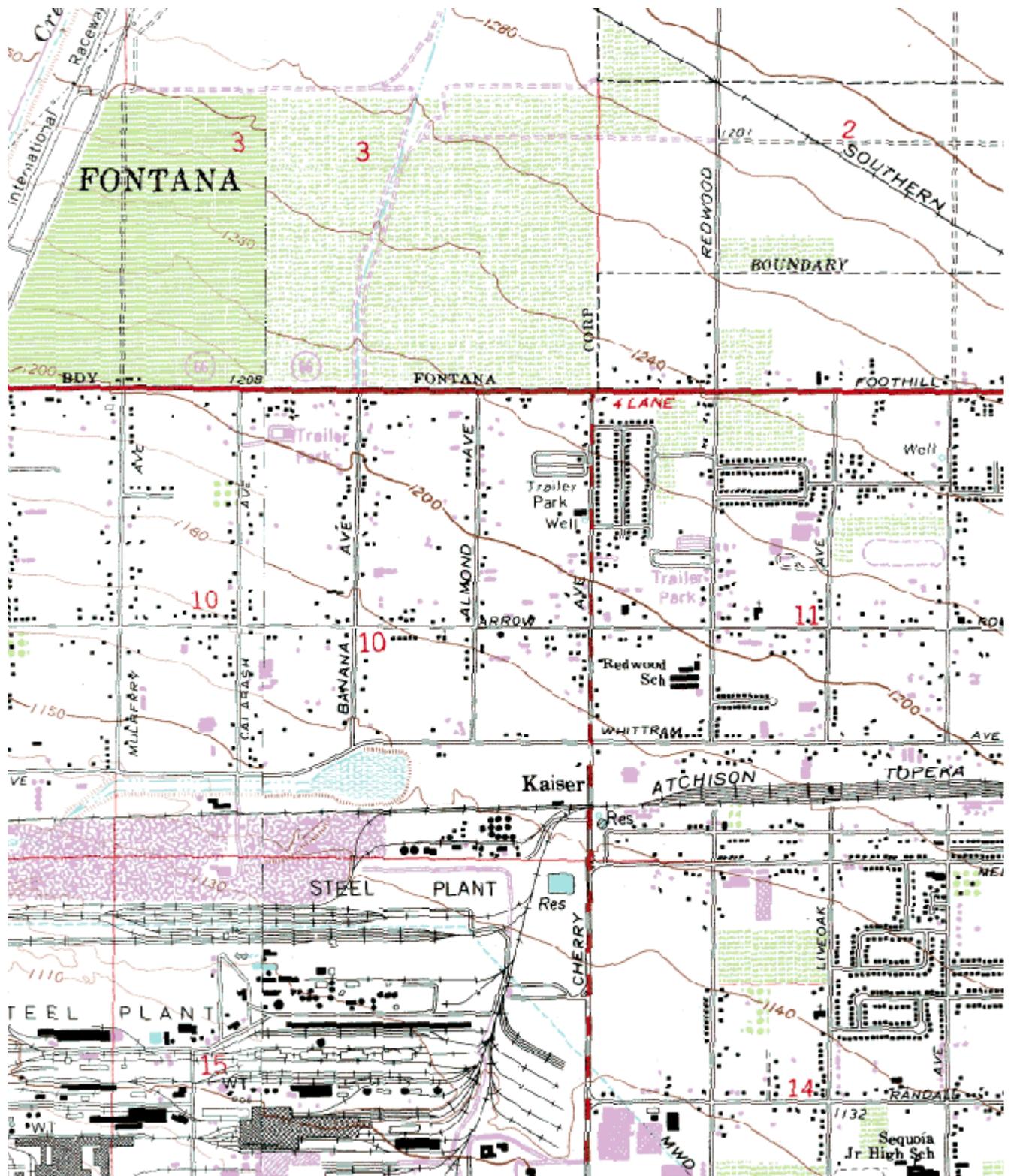
South Coast AQMD Site Survey Report for Fontana-Arrow Highway

Last updated March 2009



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"	117° 29' 31"	363



Site Survey Report

Siting Information

Site Name: Fontana-Arrow Hwy	Date: 03/10/09	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: G. Brian Speaks	Site Phone: (909) 823-8002
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Arterial Distance: 85 meters Count (Veh/Day): 28500	Topography Site: Level	Predominant Wind Direction: S
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: South Coast AQMD	Probe Last Cleaned: 10/31/08
Urbanization: Suburban	Manifold Clean: 10/31/08		
Meteorology Located With Instruments: Yes	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Ground Cover: Gravel	Cleaning Schedule: 6 Months
			Autocalibrator Type: Environics 9100
			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			
Dist. to road	85 meters			
Traffic count	28,500 veh/day			
Groundcover	Gravel			
PEP audit?	10/21/07			
NPAP audit?	11/16/07			
Flow audit?	08/30/07			
Representative Area	40140-Riverside-San Bernardino-Ontario, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
Monitor obj	REPRESENTATIVE CONCENTRATIONS	REPRESENTATIVE CONCENTRATIONS	REPRESENTATIVE CONCENTRATIONS	REPRESENTATIVE CONCENTRATIONS
Spatial scale	Neighborhood Scale	Urban Scale	Urban Scale	Neighborhood Scale
Sampling method	Horiba APMA-360	Teledyne 200-E	API/Teledyne 400E	Thermo 43i
Serial #	41683490012	251	529-S	0527612594
Property #	0016514	E204	N/A	16629
Last Calibration Date	09/04/08	11/21/08	11/05/08	09/10/08
Analysis method	N/A	N/A	N/A	N/A
Start date	01/15/81	01/15/81	01/15/81	01/15/81
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
Last Annual Performance Evaluation (gaseous)	10/03/07	10/05/07	08/30/07	10/05/07
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	PM10-SSI	PM10	PM2.5	TSP
Monitor obj	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATIONS	REPRESENTATIVE CONCENTRATION	
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	
Sampling method	GMW 1200	SASS MetOne	Andersen RAAS2.5-300	GMW 1200
Serial #	N/A	C4160	00241	1
Property #	4991	E232	E000008	1552
Last Calibration Date	10/08/08	08/29/08	04/29/08	10/08/08
Analysis method	Weighed by SCAQMD Lab	Weighed by SCAQMD lab	Weighed by SCAQMD Lab	Weighed by SCAQMD Lab
Start date	01/15/81	02/20/04	12/04/98	12/04/98
Operation schedule	1:6	1:6	1:3	1:3
Sampling season	All Year	All Year	All Year	All Year
Probe height	2.4	2.9	2.9	
Distance from supporting structure	1.5	1.9	1.9	
Distance from obstructions on roof	N/A	N/A	N/A	
Distance from obstructions not on roof	N/A	N/A	N/A	
Distance from trees	N/A	N/A	N/A	
Distance to furnace or incinerator flue	N/A	N/A	N/A	
Distance between collocated monitors	N/A	N/A	N/A	
Unrestricted airflow	Yes	Yes	Yes	
Probe material	SS	SS	SS	
Residence time	N/A	N/A	N/A	
Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	Yes	
Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	Monthly	

Frequency of flow rate verification for automated PM analyzers audit	N/A	Monthly	N/A	
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors	04/10/08, 12/04/08	N/A	04/10/08, 12/04/08	

**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.