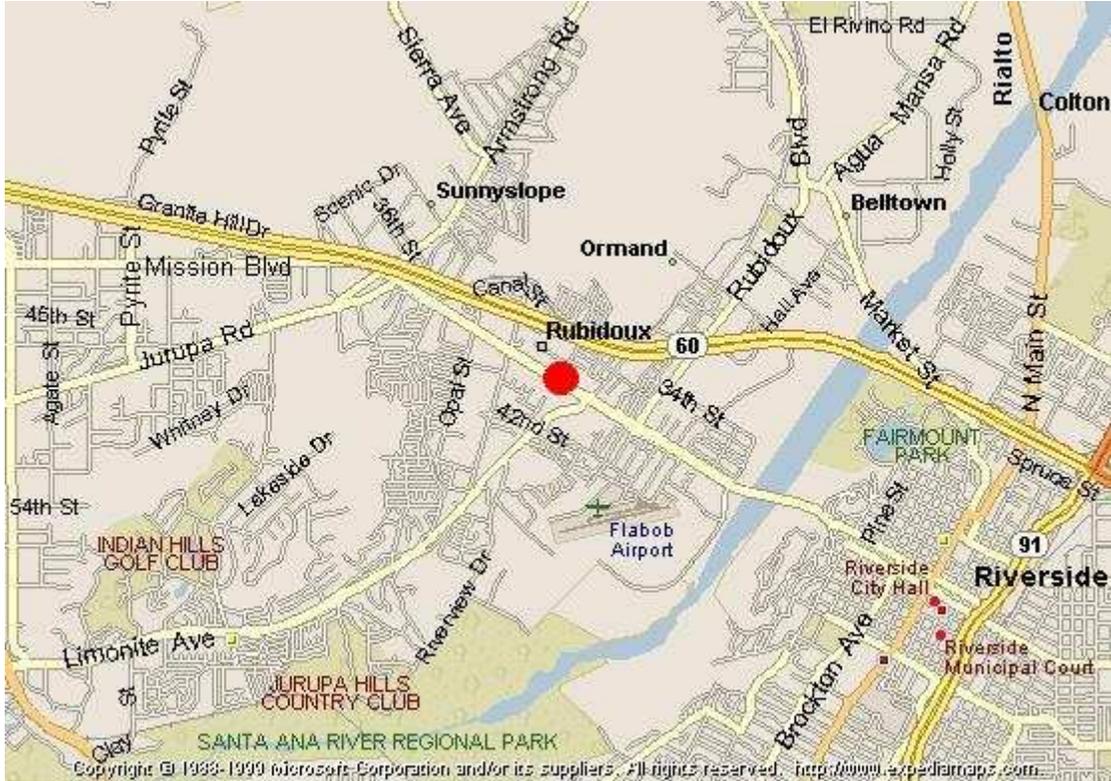


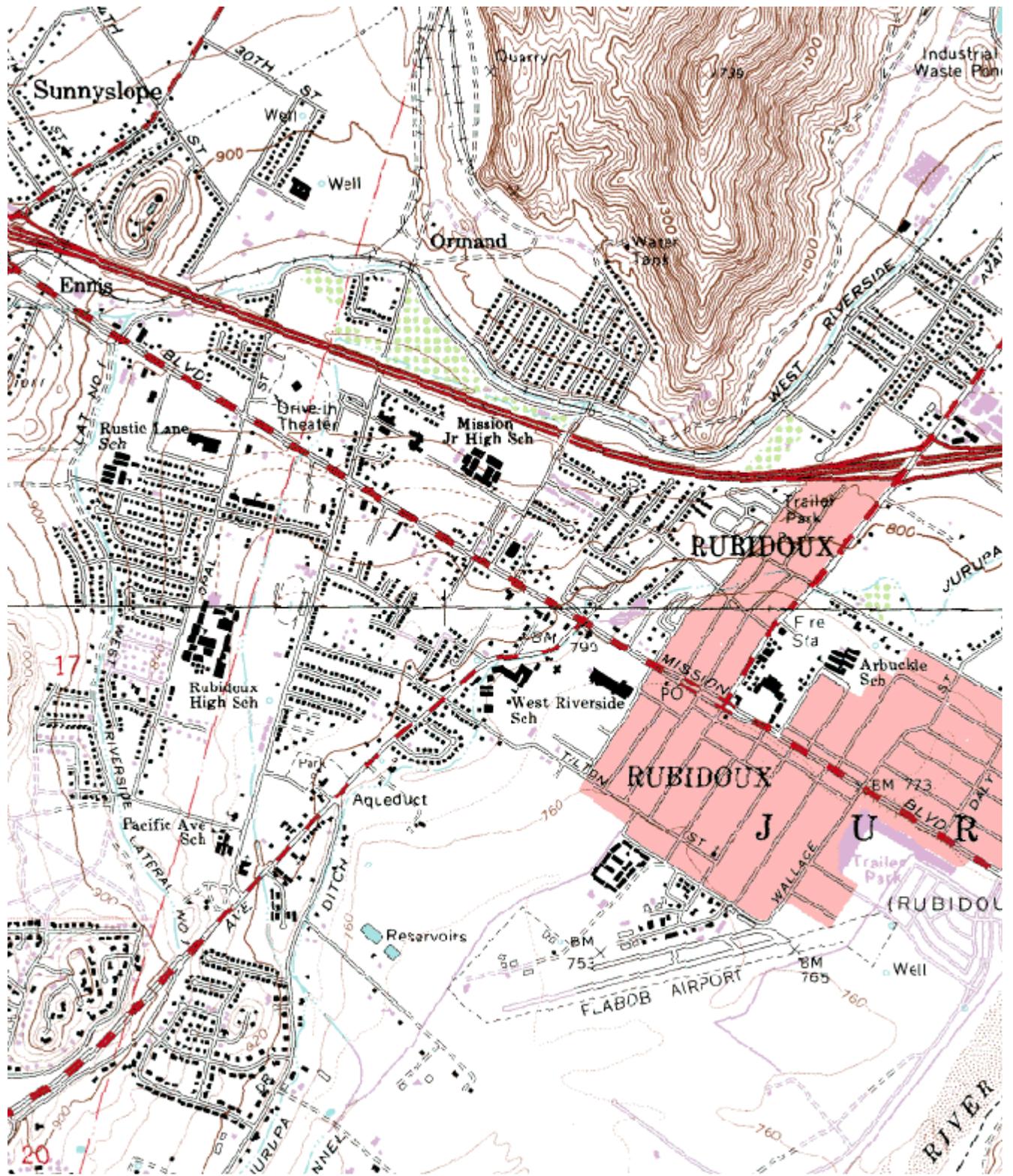
Quality Assurance Site Survey Report for Riverside-Rubidoux

Last updated March 2009



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060658001	33144	09/72	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
5888 Mission Blvd Riverside, CA 92509	Riverside	South Coast	33° 59' 58"	117° 24' 57"	248



Site Survey Report

Siting Information

Site Name: Riverside-Rubidoux	Date: 03/10/09	State Code: 33144	AIRS Number: 060658001
Address: 5888 Mission Blvd Riverside, CA 92509	Latitude: 33° 59' 58"	Longitude: 117° 24' 57"	Elevation (m): 248
	Senior AQIS: Keith Brown	Site Technician: Lila Enriquez	Site Phone: (951) 683-0211
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes	Traffic Description: Residential Distance: 25 meters Count (Veh/Day): 10000	Topography Site: Level	Predominant Wind Direction: W
		Region: Level	Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: South Coast AQMD	Probe Last Cleaned: 04/08
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	Urbanization: Rural	Site Survey Complete: Yes
		Ground Cover: Gravel	Logbook Up To Date: Yes

Action Items

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Comments

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Detailed Site Information

Site Name	Riverside-Rubidoux			
AQS ID (AIRS #)	060658001			
GIS coordinates	Latitude: 33° 59' 58" Longitude: 117° 24' 57"			
Location	Vacant Lot			
Address	5888 Mission Blvd, Riverside, CA 92509			
County	Riverside			
Dist. to road	25 meters			
Traffic count	10,000 veh/day			
Groundcover	Gravel			
PEP audit?				
NPAP audit?	12/08			
Flow audit?	12/08			
Representative Area	40140-Riverside-San Bernardino-Ontario, CA MSA			
Pollutant	PM10-SSI	PM10-SSI	TEOM	PM2.5 (Collocated) (RAAS)
Monitor obj	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	SA 1200	SA 1200	R&P 1400	Andersen 300
Serial #	N/A	N/A	20013773	00112
Property #	4941	4992	ARB Unit	E000011
Last Calibration Date	02/03/09	02/03/09	02/10/09	01/06/09
Analysis method	Weighed by SCAQMD lab	Weighed by SCAQMD lab	N/A	Weighed by SCAQMD lab
Start date	01/14/97	01/14/97	12/03/04	12/04/98
Operation schedule	1:3	1:6	1:1	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	4.5	4.5	5.0	4.8
Distance from supporting structure	1.6	1.6	1.6	1.6
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	2.0	2.0	N/A	1.0
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	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?	Yes	Yes	Yes	Yes
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	Yes

Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	Monthly	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	12/03/08, 05/06/09	12/03/08, 05/06/09	N/A	06/18/08, 12/03/08

Pollutant	PM2.5	Xontech 924	PM2.5 SASS	PM2.5 SASS
Monitor obj	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Andersen 300 RAAS	Xontech 924	MetOne SASS	MetOne SASS
Serial #	498	20021474	B3802	A5521
Property #	N/A	ARB Unit	E000178	
Last Calibration Date	01/06/09	01/04/09	12/31/08	12/09/08
Analysis method	Weighed by SCAQMD lab	Weighed by SCAQMD lab	Weighed by SCAQMD lab	EPA RTP STN
Start date	01/03/99	01/03/99	10/13/04	10/13/04
Operation schedule	1:1	1:12	1:3	1:3
Sampling season	All Year	All Year	All Year	All Year
Probe height	4.8	3.5	4.8	4.8
Distance from supporting structure	1.6	1.6	1.3	1.6
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	2.0	N/A	2.0	2.0
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?	Yes	Yes	Yes	Yes
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	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
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	06/18/08, 05/06/09	N/A	N/A	N/A

Pollutant	PM2.5	XONTECH 920	XONTECH 920	
Monitor obj	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	
Sampling method	MetOne SASS	XONTECH 920	XONTECH 920	
Serial #	A5525	148	149	
Property #		15478	15480	
Last Calibration Date	01/08/09	12/04/08	12/05/08	
Analysis method	EPA RTP STN	Weighed by SCAQMD lab	Weighed by SCAQMD lab	
Start date	10/13/04	11/29/07	04/12/04	
Operation schedule	1:6	1:6	1:every other month	
Sampling season	All Year	All Year		
Probe height	4.8	4.8	4.8	
Distance from supporting structure	1.6	1.6	1.6	
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	2.0	2.0	2.0	
Unrestricted airflow	Yes	Yes	Yes	
Probe material	N/A	N/A	N/A	
Residence time	N/A	N/A	N/A	
Will there be changes within the next 18 months?	Yes	No	No	

Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers audit	Monthly	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	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	N/A	N/A	N/A	

**Riverside-Rubidoux
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Riverside-Rubidoux
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.