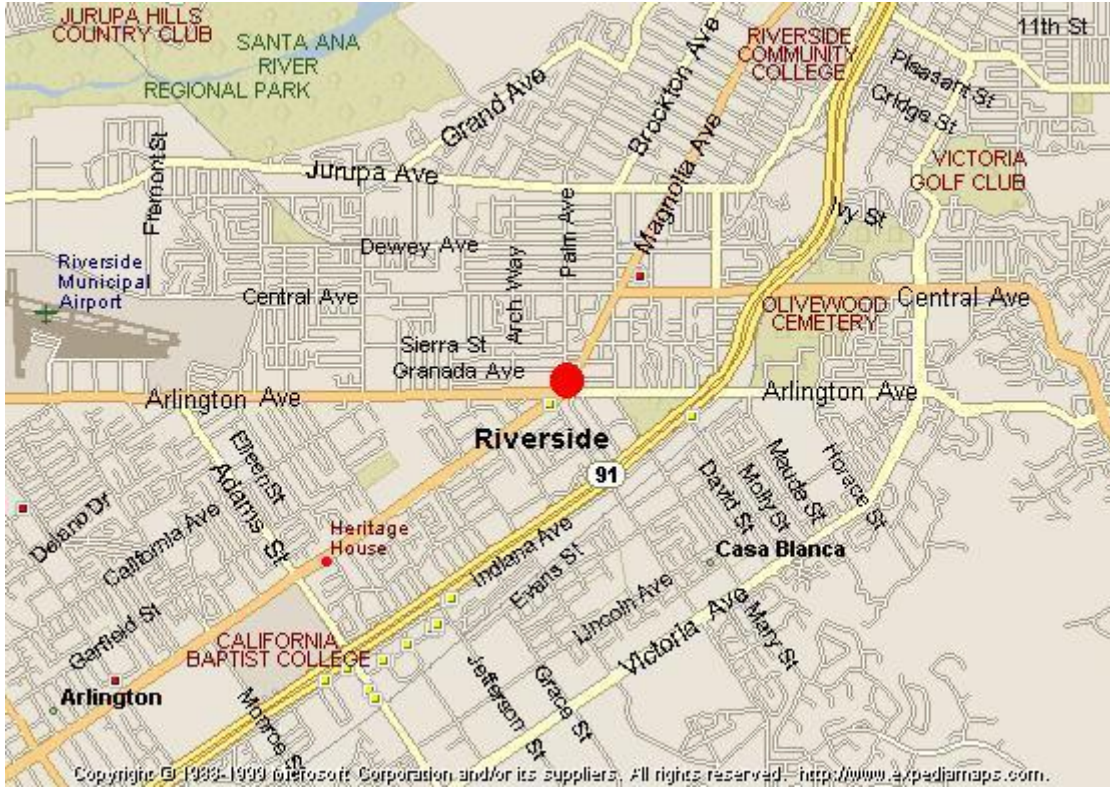


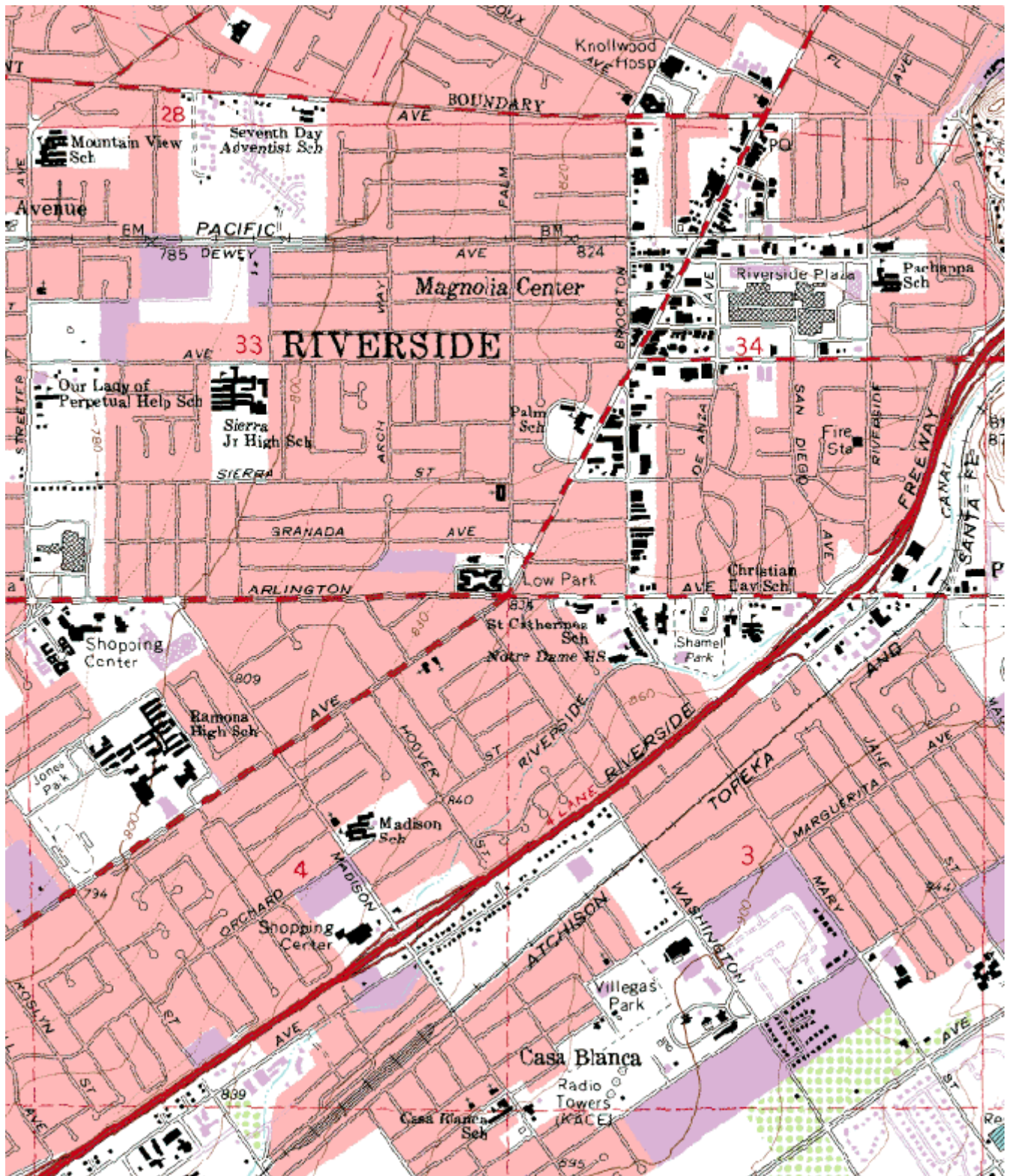
Quality Assurance Site Survey Report for Riverside-Magnolia

Last updated May, 2011



| AIRS Number | ARB Number | Site Start Date | Reporting Agency and Agency Code |
|-------------|------------|-----------------|--|
| 060651003 | 33146 | 10/72 | South Coast AQMD (061) |

| Site Address | County | Air Basin | Latitude | Longitude | Elevation |
|--|---------------------------|-----------------------------|--------------|---------------|-----------|
| 7002 Magnolia Ave Riverside, CA 92506 | Riverside | South Coast | 33° 56' 45"N | 117° 24' 02"W | 256 |



Site Survey Report

Siting Information

| | | | |
|---|--------------------------|--------------------------------|----------------------------|
| Site Name: Riverside-Magnolia | Date: 5/27/11 | State Code: 33146 | AIRS Number: 060651003 |
| Address: 7002 Magnolia Ave Riverside, CA 92506 | Latitude: 33° 56' 45" | Longitude: 117° 24' 02" | Elevation (m): 256 |
| | Senior AQIS: Keith Brown | Site Technician: Lila Enriquez | Site Phone: (951) 787-8142 |
| Operating Agency: South Coast AQMD | | | |

General Siting Conditions

| | | | | | |
|--|---|---|--|---|---|
| Station Temperature Controlled: Yes Recorded: Yes | Traffic Description: Arterial Distance: 28 meters Count (Veh/Day): 40,000 | Topography Site: Level Region: Level | Predominant Wind Direction: W Arc Air Flow (Deg): 360 Degrees Probe Last Cleaned: 6/11 | | |
| | | Meteorology Located With Instruments: No | Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A | QA Manual Approved: Yes Agency: South Coast AQMD | Manifold Clean: Yes Cleaning Schedule: 6 Months Autocalibrator Type: EnviroNics 100 |
| | | | | Urbanization: Suburban | Site Survey Complete: Yes |
| Ground Cover: Asphalt | Logbook Up To Date: Yes | | | | |

Action Items

Comments

Detailed Site Information

| | | | | |
|---|--|-----------------------|-----------------------|---------------------|
| Site name | Riverside-Magnolia | | | |
| AQS ID (AIRS #) | 060651003 | | | |
| GIS coordinates | Latitude: 33° 56' 45" Longitude: 117° 24' 02" | | | |
| Location | Store Front | | | |
| Address | 7002 Magnolia Ave, Riverside, CA 92506 | | | |
| County | Riverside | | | |
| Distance to road | 28 meters | | | |
| Traffic count | 40,000 veh/day | | | |
| Groundcover | Asphalt | | | |
| Representative area | 40140-Riverside-San Bernardino-Ontario, CA MSA | | | |
| Pollutant | Carbon Monoxide | TSP-A Pb | TSP-B Pb | PM2.5 RAAS |
| Site type | SLAMS | SLAMS | SLAMS | SLAMS |
| Monitor objective | Highest Concentration | Highest Concentration | Highest Concentration | Population Oriented |
| Spatial scale | Microscale | Microscale | Microscale | Neighborhood Scale |
| Instrument type | Primary | Primary | Audit | Primary |
| Method code | N/A | N/A | N/A | N/A |
| POC code | 1 | 1 | 1 | 1 |
| Instrument manufacturer/model | Horiba APMA-360 | GMW 2000 | GMW 2000 | Andersen PM2.5 RAAS |
| Serial # | 41346760055 | 54244 | 54249 | 00343 |
| Property # | 16510 | N/A | N/A | E000001 |
| Last calibration date | 12/2/10 | 3/3/11 | 3/3/11 | 1/25/11 |
| Analysis method | Non Dispersive Infrared | Gravimetric | Gravimetric | Gravimetric |
| Start date | 10/72 | 10/72 | 10/72 | 01/06/99 |
| Operation schedule | 1:1 | 1:6 | 1:6 | 1:3 |
| Sampling season | All Year | All Year | All Year | All Year |
| Probe height | 7.9 | 7.9 | 7.9 | 7.9 |
| Distance from supporting structure | 1.5 | 1.4 | 1.4 | 1.4 |
| 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 | 15 | 15 | 15 | 15 |
| Distance to furnace or incinerator flue | N/A | N/A | N/A | N/A |
| Distance between collocated monitors | N/A | 2.0 | 2.0 | N/A |
| Unrestricted airflow | Yes | Yes | Yes | Yes |
| Probe material | Teflon | N/A | N/A | N/A |
| Residence time | 11.4 | 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 | N/A | Yes |

| | | | | |
|--|---------|----------------|----------------|----------------|
| Frequency of flow rate verification for manual PM samplers audit | N/A | 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) | Nightly | N/A | N/A | N/A |
| Date of last annual performance evaluation | 8/3/10 | N/A | N/A | N/A |
| Dates of semi-annual flow rate audits for PM monitors | N/A | 3/16, 6/3/2010 | 3/16, 6/3/2010 | 3/16, 6/3/2010 |
| | N/A | 12/20, 9/27/10 | 12/20, 9/27/10 | 12/20, 9/27/10 |
| Date of past year's PM2.5-PEP audit | N/A | N/A | N/A | 9/8/10 |
| Date of past year's Pb-PEP audit | N/A | Scheduled | Scheduled | N/A |

| | | | | |
|---|-------------------|-----------------------|----------------------|--|
| Pollutant | NO/NOX | NON FEM BAM PM2.5 | BAM PM10 FEM | |
| Site type | SLAMS | SLAMS | SLAMS | |
| Monitor objective | Special Purpose | Population Oriented | Population Oriented | |
| Spatial scale | Neighborhood | Neighborhood | Neighborhood | |
| Instrument type | Primary | Audit | Audit | |
| Method code | N/A | 731 | 122 | |
| POC code | 1 | 3 | 3 | |
| Instrument manufacturer/model | Thermo 42i | MetOne 1020 FEM PM2.5 | MetOne 1020 FEM PM10 | |
| Serial # | 0819331150 | B2302 | F8994 | |
| Property # | 164911 (USC) | E000169 | 166623 (USC) | |
| Last calibration date | 12/22/10 | 1/21/11 | 1/21/11 | |
| Analysis method | Chemiluminescence | Beta Attenuation | Beta Attenuation | |
| Start date | 12/08 | 04/09/09 | 07/20/10 | |
| Operation schedule | 1:1 | 1:1 | 1:1 | |
| Sampling season | All Year | All Year | All Year | |
| Probe height | 7.9 | 7.9 | 7.9 | |
| Distance from supporting structure | 1.5 | 1.5 | 1.5 | |
| 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 | 15 | 15 | 15 | |
| 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 | Teflon/Glass | N/A | N/A | |
| Residence time | 12.9 | 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? | No | No | No | |
| Frequency of flow rate verification for manual PM samplers audit | N/A | N/A | N/A | |
| Frequency of flow rate verification for automated PM analyzers audit | N/A | Monthly | Monthly | |
| Frequency of one-point QC check (gaseous) | Daily | N/A | N/A | |
| Date of last annual performance evaluation | 8/13/10 | N/A | N/A | |
| Dates of semi-annual flow rate audits for PM monitors | N/A | Scheduled | Scheduled | |
| | N/A | Scheduled | Scheduled | |
| 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 | |

**Riverside-Magnolia
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Riverside-Magnolia
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.