

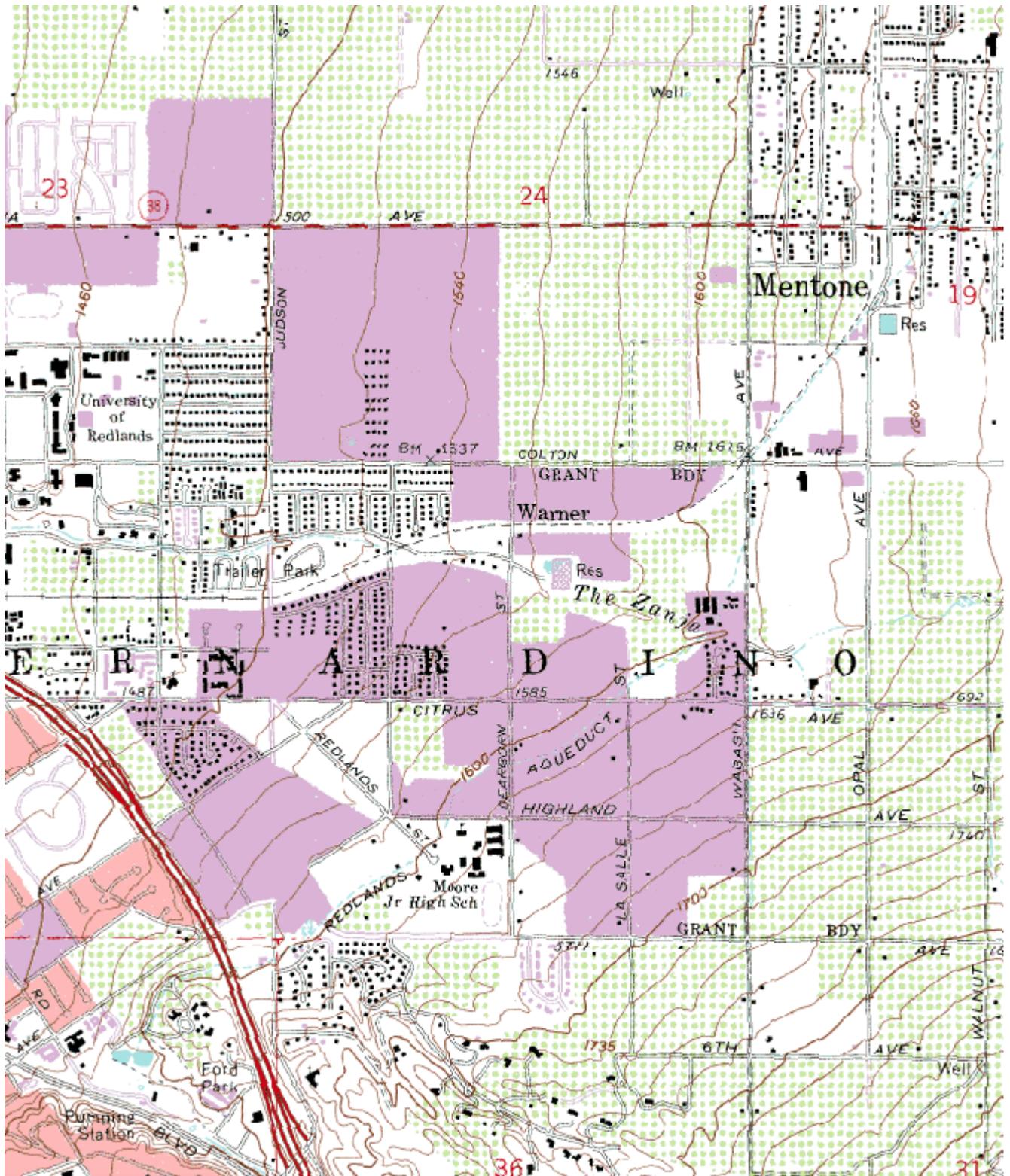
Quality Assurance Site Survey Report for Redlands

Last updated March 2009



| AIRS Number | ARB Number | Site Start Date | Reporting Agency and Agency Code |
|-------------|------------|-----------------|--|
| 060714003 | 36204 | 09/86 | South Coast AQMD (061) |

| Site Address | County | Air Basin | Latitude | Longitude | Elevation |
|---|--------------------------------|-----------------------------|-------------|--------------|-----------|
| 500 N Dearborn St Redlands, CA 92374 | San Bernardino | South Coast | 34° 03' 35" | 117° 08' 50" | 475 |



Site Survey Report

Siting Information

| | | | |
|--|--------------------------|------------------------------------|----------------------------|
| Site Name: Redlands | Date: 03/10/09 | State Code: 36204 | AIRS Number: 060714003 |
| Address: 500 N. Dearborn Ave Redlands, CA 92374 | Latitude: 34° 03' 35" | Longitude: 117° 08' 50" | Elevation (m): 475 |
| | Senior AQIS: Keith Brown | Site Technician: Richard Trzcinski | Site Phone: (909) 793-6019 |
| Operating Agency: South Coast AQMD | | | |

General Siting Conditions

| | | | |
|--|--|--|-------------------------------------|
| Station Temperature Controlled: Yes Recorded: Yes | Traffic Description: Residential Distance: 20 meters Count (Veh/Day): 1000 | Topography Site: Level Region: Level QA Manual Approved: Yes Agency: SCAQMD Urbanization: Suburban Ground Cover: Gravel | Predominant Wind Direction: N |
| | | | Arc Air Flow (Deg): 180 Degrees |
| | | | Probe Last Cleaned: 01/08/09 |
| Meteorology Located With Instruments: Yes | Non-vehicular Local Sources Description: Dirt Distance: 0 meters Direction: NESW | | Manifold Clean: Yes |
| | | | Cleaning Schedule: 6 Months |
| | | | Autocalibrator Type: Environics 100 |
| | | | Site Survey Complete: Yes |
| | | | Logbook Up To Date: Yes |

Action Items

Comments

Detailed Site Information

| | | | |
|---|--|------------------------------|--|
| Site Name | Redlands | | |
| AQS ID (AIRS #) | 060714003 | | |
| GIS coordinates | Latitude: 34° 03' 35" Longitude: 117° 08' 50" | | |
| Location | Vacant Lot / Water District | | |
| Address | 500 N Dearborn Ave, Redlands, CA 92374 | | |
| County | San Bernardino | | |
| Dist. to road | 20 meters | | |
| Traffic count | 1,000 veh/day | | |
| Groundcover | Gravel | | |
| PEP audit? | | | |
| NPAP audit? | 11/28/07 | | |
| Flow audit? | 02/07 | | |
| Representative Area | 31100-Los Angeles-Long Beach-Santa Ana, CA MSA | | |
| Pollutant | Ozone | PM10-SSI | |
| Monitor obj | REPRESENTATIVE CONCENTRATION | REPRESENTATIVE CONCENTRATION | |
| Spatial scale | Neighborhood Scale | Neighborhood Scale | |
| Sampling method | API/Teledyne 400E | Andersen SA1200 | |
| Serial # | 525 | 4939 | |
| Property # | N/A | N/A | |
| Last Calibration Date | 12/03/08 | 01/27/09 | |
| Analysis method | N/A | Weighed by SCAQMD lab | |
| Start date | 01/19/05 | 09/01/86 | |
| Operation schedule | 1:1 | 1:6 | |
| Sampling season | All Year | All Year | |
| Probe height | 5.0 | 3.5 | |
| Distance from supporting structure | 1.6 | 1.6 | |
| Distance from obstructions on roof | N/A | N/A | |
| Distance from obstructions not on roof | N/A | N/A | |
| Distance from trees | N/A | N/A | |
| Distance to furnace or incinerator flue | N/A | N/A | |
| Distance between collocated monitors | N/A | N/A | |
| Unrestricted airflow | Yes | Teflon | |
| Probe material | Teflon | N/A | |
| Residence time | 8.0 | N/A | |
| Will there be changes within the next 18 months? | Yes | Yes | |
| 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) | Nightly | N/A | | |
| Last Annual Performance Evaluation (gaseous) | 02/07 | N/A | | |
| Last two semi-annual flow rate audits for PM monitors | N/A | 05/07, 11/07 | | |

**Redlands
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Redlands
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.