

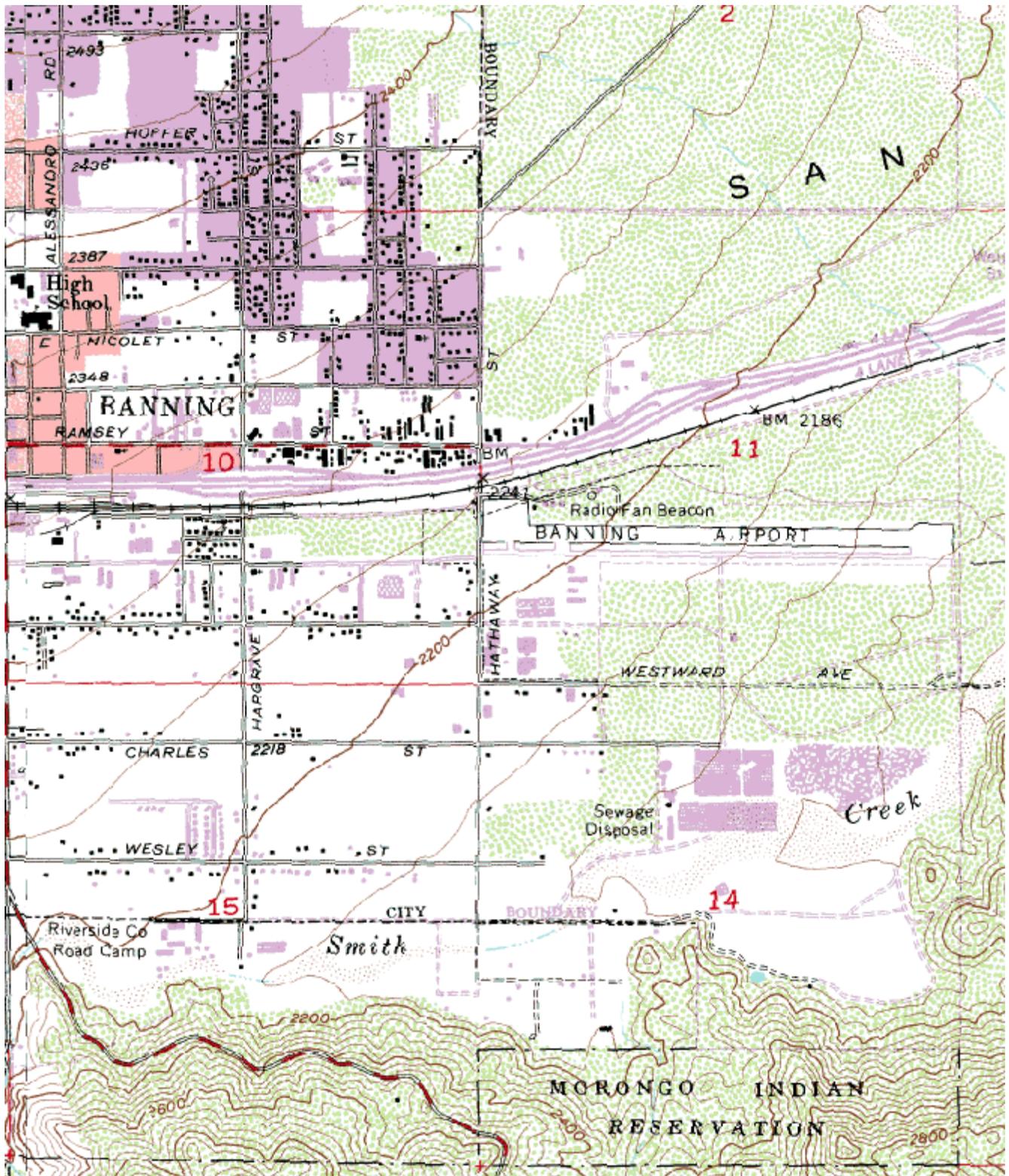
South Coast AQMD Site Survey Report for Banning-Airport

Last updated May 2008



| AIRS Number | ARB Number | Site Start Date | Reporting Agency and Agency Code |
|-------------|------------|-----------------|--|
| 060650012 | 33164 | 04/01/95 | South Coast AQMD (061) |

| Site Address | County | Air Basin | Latitude | Longitude | Elevation |
|---|---------------------------|-----------------------------|-------------|--------------|-----------|
| 200 S. Hathaway St Banning, CA 92220 | Riverside | South Coast | 33° 55' 14" | 116° 51' 30" | 671 |



Site Survey Report

Siting Information

| | | | |
|--|--------------------------|------------------------------------|---------------------------|
| Site Name: Banning-Airport | Date: 05/14/08 | State Code: 33164 | AIRS Number: 060650012 |
| Address: 200 S. Hathaway St Banning, CA 92220 | Latitude: 33° 55' 14" | Longitude: 116° 51' 30" | Elevation (m): 671 |
| | Senior AQIS: Keith Brown | Site Technician: Richard Trzcinski | Site Phone: (951)849-8208 |
| Operating Agency: South Coast AQMD | | | |

General Siting Conditions

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|--|--|--|---------------------------------|
| Station Temperature Controlled: Yes Recorded: Yes | Traffic Description: Freeway Distance: 1000 meters Count (Veh/Day): 30000 | Topography Site: Level | Predominant Wind Direction: E |
| | | Region: Level | Arc Air Flow (Deg): 360 Degrees |
| | | QA Manual Approved: Yes Agency: SCAQMD Urbanization: Rural Ground Cover: Gravel | Probe Last Cleaned: 04/11/08 |
| Manifold Clean: Yes | | | |
| Cleaning Schedule: 6 Months | | | |
| Autocalibrator Type: Environics 100 | | | |
| Meteorology Located With Instruments: Yes | Non-vehicular Local Sources Description: Aircraft Distance: 100 meters Direction: N/NE | Site Survey Complete: Yes | |
| | | Logbook Up To Date: Yes | |

Action Items

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Comments

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Detailed Site Information

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|---|--|-------------------------------|-------------------------------|-------------------------------|
| Site Name | Banning-Airport | | | |
| AQS ID (AIRS #) | 060650012 | | | |
| GIS coordinates | Latitude: 33° 55' 14" Longitude: 116° 51' 30" | | | |
| Location | Airport | | | |
| Address | 200 S Hathaway St, Banning, CA 92220 | | | |
| County | Riverside | | | |
| Dist. to road | 1,000 meters | | | |
| Traffic count | 30,000 veh/day | | | |
| Groundcover | Gravel | | | |
| PEP audit? | 03/07 | | | |
| NPAP audit? | 11/28/07 | | | |
| Flow audit? | 03/07 | | | |
| Representative Area | 40140-Riverside-San Bernardino-Ontario, CA MSA | | | |
| Pollutant | Nitrogen Dioxide | Ozone | PM10-SSI | PM2.5 |
| Monitor objective | REPRESENTATIVE CONCENTRATIONS | REPRESENTATIVE CONCENTRATIONS | REPRESENTATIVE CONCENTRATIONS | REPRESENTATIVE CONCENTRATIONS |
| Spatial scale | Neighborhood Scale | Neighborhood Scale | Neighborhood Scale | Neighborhood Scale |
| Sampling method | API 200 | API/Teledyne 400 | Sierra Andersen 1200 | MetOne BAM |
| Serial # | 266 | 510 | 3546 | Y15495 |
| Property # | E000220 | N/A | N/A | E000070 |
| Last Calibration Date | 03/02/08 | 02/12/07 | 03/14/08 | 02/10/06 |
| Analysis method | N/A | N/A | Weighed by SCAQMD lab | N/A |
| Start date | 04/01/95 | 04/01/95 | 04/01/95 | 02/10/06 |
| Operation schedule | 1:1 | 1:1 | 1:6 | Cont |
| Sampling season | All Year | All Year | All Year | All Year |
| Probe height | 4.05 | 4.05 | 2.5 | 4.75 |
| Distance from supporting structure | 1.5 | 1.5 | 1.5 | 1.7 |
| 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 | N/A | N/A |
| Residence time | 8.1 | 7.6 | 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 | No |

| | | | | |
|--|----------|----------|--------------|--------------|
| Frequency of flow rate verification for manual PM samplers audit | N/A | N/A | Monthly | N/A |
| Frequency of flow rate verification for automated PM analyzers audit | N/A | N/A | N/A | Bi-Weekly |
| Frequency of one-point QC check (gaseous) | Nightly | Nightly | N/A | N/A |
| Last Annual Performance Evaluation (gaseous) | 03/01/07 | 03/06/07 | N/A | N/A |
| Last two semi-annual flow rate audits for PM monitors | N/A | N/A | 05/07, 11/07 | 05/07, 11/07 |

| Pollutant | VOC-PAMS | Carbonyl-PAMS | VOC-PAMS | |
|---|-------------------------------|-------------------------------|-------------------------------|--|
| Monitor objective | REPRESENTATIVE CONCENTRATIONS | REPRESENTATIVE CONCENTRATIONS | REPRESENTATIVE CONCENTRATIONS | |
| Spatial scale | Neighborhood Scale | Neighborhood Scale | Neighborhood Scale | |
| Sampling method | Xontech 910A | ATEC 800 | Xontech 910A | |
| Serial # | 4145 | N/A | 4910 | |
| Property # | 0015465 | E000145 | E000170 | |
| Last Calibration Date | 10/02/07 | 10/02/07 | 05/07/07 | |
| Analysis method | Weighed by SCAQMD lab | Weighed by SCAQMD lab | Weighed by SCAQMD lab | |
| Start date | 04/01/95 | 04/01/95 | 04/01/95 | |
| Operation schedule | 11:3 | 11:3 | 11:3 | |
| Sampling season | Seasonal | Seasonal | Seasonal | |
| Probe height | 3.85 | 3.85 | 3.85 | |
| Distance from supporting structure | 1.3 | 1.3 | 1.3 | |
| 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 | < 20 | < 20 | < 20 | |
| 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 | N/A | |

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|--|---------------|---------------|---------------|--|
| 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 | N/A | N/A | |
| Frequency of one-point QC check (gaseous) | Semi-Annually | Semi-Annually | Semi-Annually | |
| 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 | |

**Banning-Airport
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

**Banning-Airport
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.