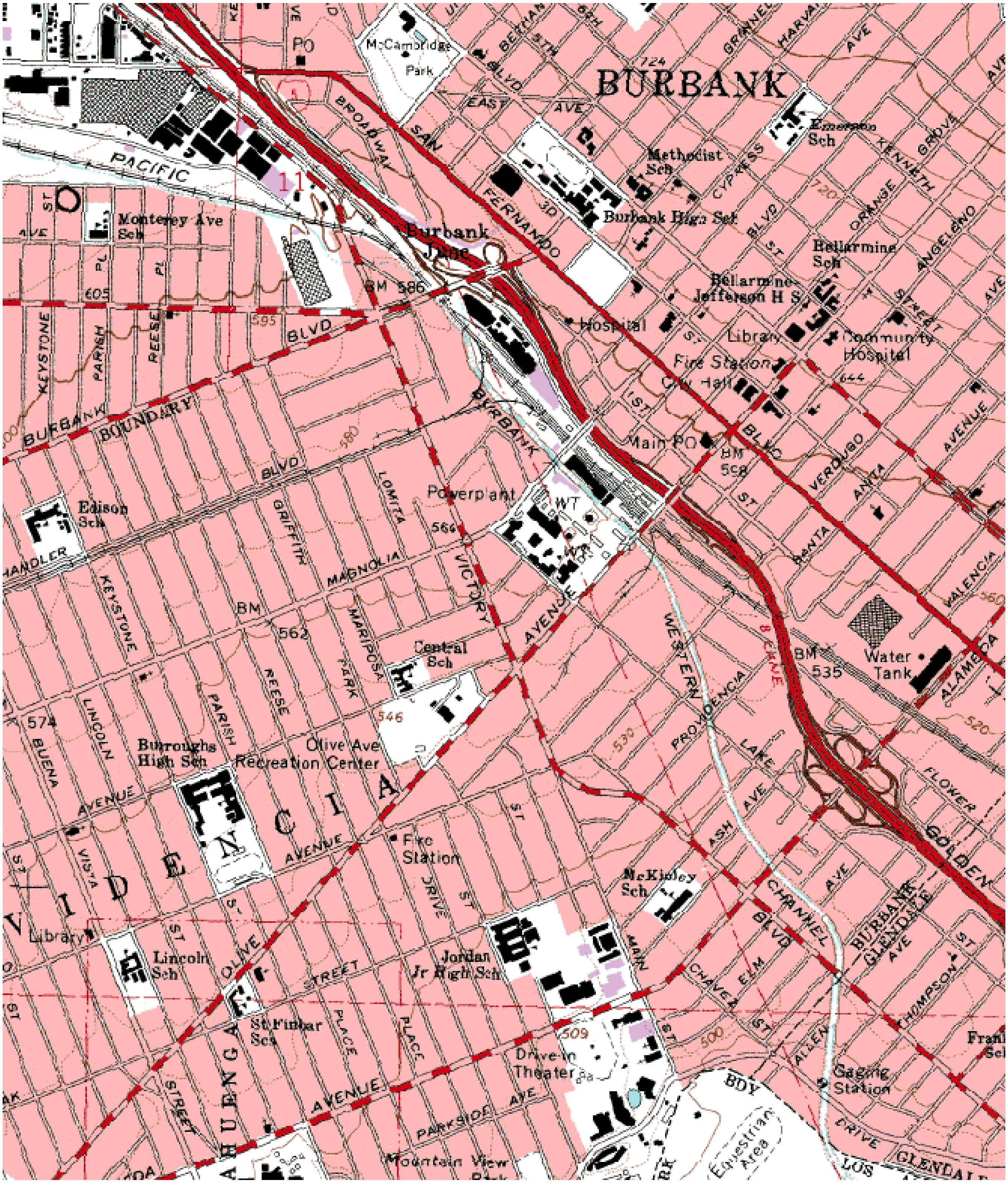
Quality Assurance
Site Survey Report for Burbank

Last updated May 2008

AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060371002	70069	3/1/80	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
228 W Palm Ave Burbank, CA 91502	Los Angeles	South Coast	34° 10' 33"	118° 19' 01"	10


BURBANK
McCambridge Park
PO
BROADWAY
SAN FERNANDO
PACIFIC
Monterey Ave Sch
Burbank Junc
Methodist Sch
Burbank High Sch
Emerson Sch
Bellarmine Sch
Bellarmine-Jefferson H S
Hospital
Library
Community Hospital
Fire Station
City Hall
Main PO
BM 586
BOUNDARY
BURBANK BLVD
KEYSTONE
PARISH
REESE
Edison Sch
Powerplant
WT
LOMITA
GRIFFITH
MAGNOLIA
VICTORY
MARIPOSA
Central Sch
Olive Ave Recreation Center
Burroughs High Sch
BUENA VISTA
LINCOLN
AVENUE
WESTERN
PROVIDENCIA
Water Tank
ALAMEDA
BM 535
FLOWER
GOLDEN
McKinley Sch
CHANNEL
BURBANK GLENDALE
Fire Station
Jordan Jr High Sch
Library
Lincoln Sch
St Finbar Sch
Drive-in Theater
Gaging Station
Equestrian Area
PARKSIDE AVE
Mountain View Park
BDY
GLENDALE
LOS
V I D E N C I A
CAHUENGA

Site Survey Report

Siting Information

Site Name: Burbank	Date: 05/14/08	State Code: 70069	AIRS Number: 060371002
Address: 228 W Palm Ave Burbank, CA 91502	Latitude: 34° 10' 33"	Longitude: 118° 19' 01"	Elevation (m): 171
	Senior AQIS: Albert Dietrich	Site Technician: Norm Broellos	Site Phone: (818) 843-8175
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature	**Traffic**	**Topography**	Predominant Wind Direction: S
Controlled: Yes	Description: Arterial	Site: Level	Arc Air Flow (Deg): 360 Degrees
Recorded: Yes	Distance: 92 meters	Region: Valley	Probe Last Cleaned: May 2008
	Count (Veh/Day): 50000	**QA Manual**	Manifold Clean: Yes
Meteorology	**Non-vehicular Local Sources**	Approved: Yes	Cleaning Schedule: 6 Months
Located With Instruments: Yes	Description: E.G. Plant	Agency: South Coast AQMD	Autocalibrator Type: Environics 100
	Distance: 100 meters	Urbanization: Suburban	Site Survey Complete: Yes
	Direction: E	Ground Cover: Asphalt	Logbook Up To Date: Yes

Action Items

Comments

Detailed Site Information

Site Name	Burbank			
AQS ID (AIRS #)	060371002			
GIS coordinates	Latitude: 34° 10’ 33” Longitude: 118° 19’ 01”			
Location	Business Store Front			
Address	228 W Palm Ave, Burbank, CA 91502			
County	Los Angeles			
Dist. to road	92 meters			
Traffic count	50,000 veh/day			
Groundcover	Asphalt			
PEP Audit?	08/10/07			
NPAP Audit?	11/07			
Flow Audit?	07/07			
Representative Area	31100-Los Angeles-Long Beach-Santa Ana, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
Monitor objective	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Urban Scale	Neighborhood Scale
Sampling method	Horiba APMA-360	API 200A	API/Teledyne 400	TECO 43A, 43B, 43C
Serial #	577274016	249	536-S	527612592
Property #	161212	E000207		16628
Last Calibration Date	02/07/08	02/13/08	02/06/08	02/08/08
Analysis method	N/A	N/A	N/A	N/A
Start date	10/61	10/61	10/61	10/61
Operation schedule	1:1	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.2	6.2	6.2	6.2
Distance from supporting structure	2.7	2.7	2.7	2.7
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	16	16	16	16
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	6.3	7.8	6.5	7.9
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)	10/09/07	07/25/07	10/09/07	07/24/07
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	PM10-SSI	TEOM	BAM-PM2.5	MetOne SASS
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Andersen 1200	R&P 1400a	MetOne BAM1020	MetOne SASS
Serial #	4932	14UP-2083	Y2866	4158
Property #	N/A	11011	20005419 (ARB)	E000233
Last Calibration Date	11/16/07	09/15/05	06/28/06	06/07
Analysis method	Weighed by SCAQMD lab	N/A	N/A	Analyzed by SCAQMD lab
Start date	10/61	01/21/99	01/21/99	01/21/99
Operation schedule	1:6	1:1	1:1	N/A
Sampling season	All Year	All Year	All Year	All Year
Probe height	5.1	5.2	5.5	5.3
Distance from supporting structure	1.6	1.7	2.0	1.8
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	16	16	16	16
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	1.4	2.0	1.4
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?	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	Monthly	N/A	N/A	N/A

Frequency of flow rate verification for automated PM analyzers audit	N/A	Monthly	Bi-Weekly	Monthly
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	05/07, 11/07	N/A	N/A	N/A

Pollutant	PM2.5	ARB Toxics-VOC	ARB Toxics-VOC	VOC
Monitor objective	REPRESENTATIVE CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Neighborhood Scale	Urban Scale	Urban Scale	Urban Scale
Sampling method	Andersen RAAS2.5-3.0	Xontech 910	Xontech 910A	Aligent Tech GC 6890N
Serial #	340	1840	N/A	
Property #	E000022	20004224 (ARB)	20004490 (ARB)	E000257
Last Calibration Date	05/06/05	N/A	N/A	
Analysis method	Weighed by SCAQMD lab	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab	GC
Start date	01/21/99	01/21/99	01/21/99	01/21/99
Operation schedule	1:3	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	5.4	5.2	5.2	5.5
Distance from supporting structure	2.0	1.8	1.8	2.0
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	16	16	16	16
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	N/A	Teflon	Teflon	SS
Residence time	N/A	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	N/A
Frequency of flow rate verification for manual PM samplers audit	Monthly	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)	Semi-Annually	Semi-Annually	Semi-Annually	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	05/07, 11/07	N/A	N/A	N/A

Pollutant	VOC-PAMS	Carbonyl-PAMS	Carbonyl-PAMS	Metals, Cr6, Carbonyls (ARB Toxics 924)
Monitor objective	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Urban Scale	Urban Scale	Urban Scale	
Sampling method	Xontech 910	Atec 2440/2448	Atec 2440/2448	Xontech 924
Serial #		97007 / 23170	23169 / 98006	6053
Property #	15769	15357	E000227	20060125 (ARB)
Last Calibration Date	06/07	06/07	06/07	n/a
Analysis method	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab	Analyzed by ARB lab
Start date	01/21/99	01/21/99	01/21/99	01/21/99
Operation schedule	1:6 or Intensive PAMS	1:6 or Intensive PAMS	1:6 or Intensive PAMS	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	5.5	5.5	5.5	5.5
Distance from supporting structure	2.0	2.0	2.0	2.1
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	16	16	16	16
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	0.5
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	SS	SS	SS	N/A
Residence time	N/A	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	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)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	Semi-Annually	Semi-Annually	Semi-Annually	Semi-Annually
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Burbank
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Burbank
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.