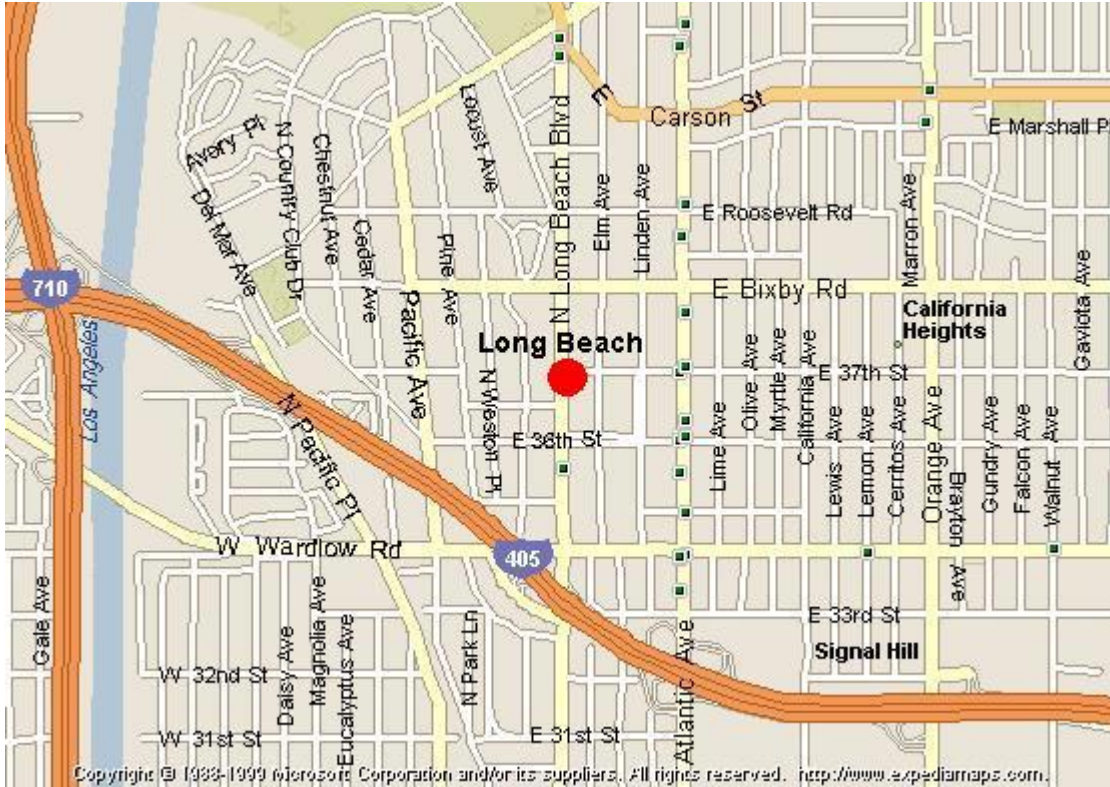
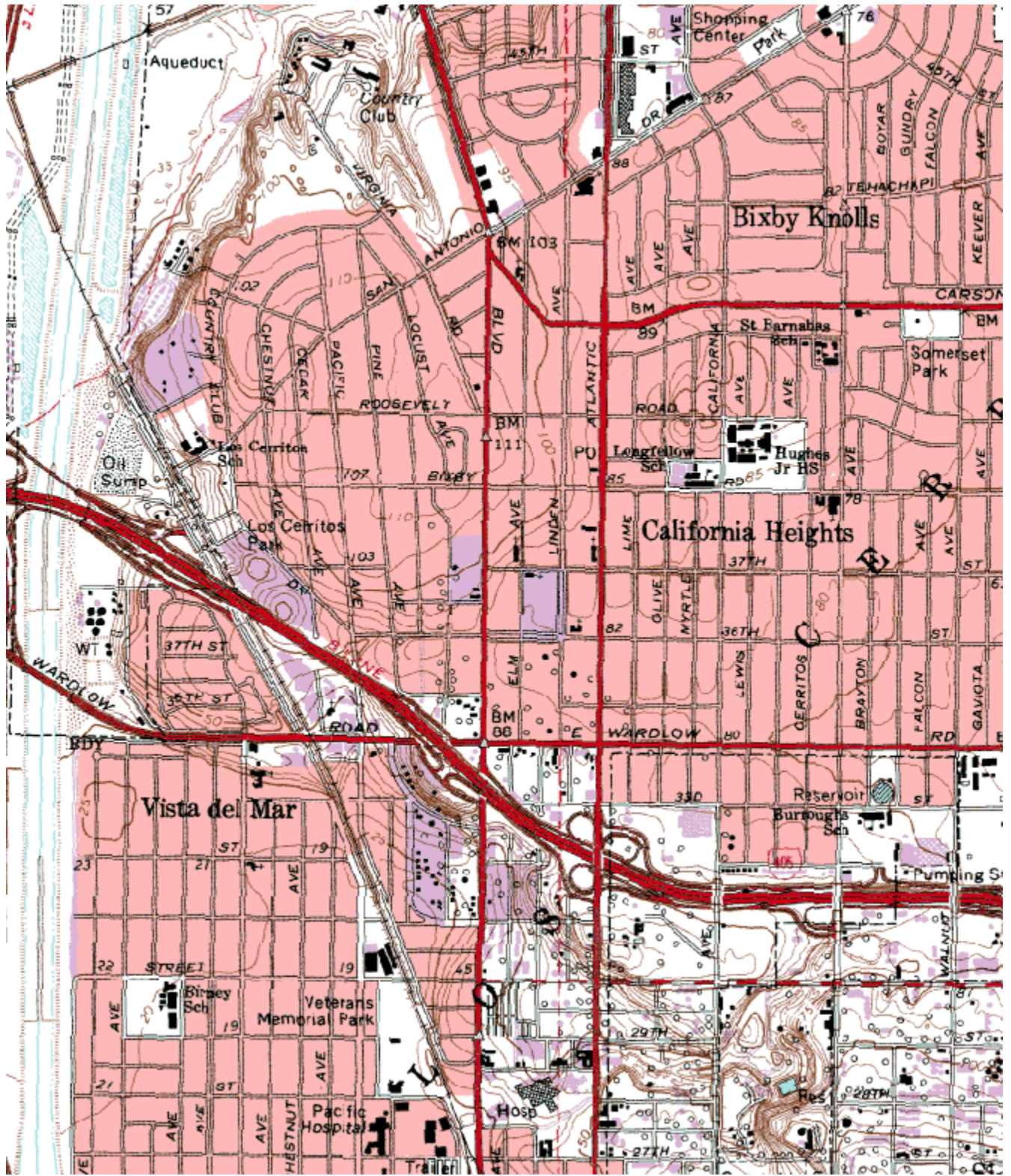


South Coast AQMD Site Survey Report for Long Beach (North)

Last updated May, 2011



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code			
060374002	70072	10/62	South Coast AQMD (061)			
Site Address		County	Air Basin	Latitude	Longitude	Elevation
3648 N Long Beach Blvd Long Beach, CA 90807		Los Angeles	South Coast	33° 49' 25"N	118° 11' 20"W	29



Site Survey Report

Siting Information

Site Name: Long Beach (North)	Date: 05/24/11	State Code: 70072	AIRS Number: 060374002
Address: 3648 N Long Beach Blvd Long Beach, CA 90807	Latitude: 33° 49' 25"	Longitude: 118° 11' 20"	Elevation (m): 29
	Senior AQIS: Albert Dietrich	Site Technician: Paul Mayo	Site Phone: (562) 424-5420
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature	Traffic	Topography	Predominant Wind Direction: SW	
			Arc Air Flow (Deg): 360 Degrees	
			Probe Last Cleaned: 6/11	
Controlled: Yes Recorded: Yes	Description: Commercial Distance: 8 – 55 meters Count (Veh/Day): 19900	Site: Level Region: Coastal	QA Manual	
			Manifold Clean: Yes	
	Meteorology	Non-vehicular Local Sources	Approved: Yes Agency: South Coast AQMD Urbanization: Urban Ground Cover: Asphalt	Cleaning Schedule: 6 Months
				Autocalibrator Type: Envirionics 9100
				Site Survey Complete: Yes
Located With Instruments: Yes	Description: None Distance: N/A Direction: N/A		Logbook Up To Date: Yes	

Action Items

Comments

Detailed Site Information

Site name	Long Beach (North)			
AQS ID (AIRS #)	060374002			
GIS coordinates	Latitude: 33° 49' 25" Longitude: 118° 11' 20"			
Location	Business Store Front			
Address	3648 N Long Beach Blvd, Long Beach, CA 90807			
County	Los Angeles			
Distance to road	8 – 55 meters			
Traffic count	19900 veh/day			
Groundcover	Asphalt			
Representative area	31100-Los Angeles-Long Beach-Santa Ana			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Highest Concentration	Population Oriented	Population Oriented	Highest Concentration
Spatial scale	Microscale	Middle Scale	Middle Scale	Neighborhood Scale
Instrument type	Primary	Primary	Primary	Primary
Method code	N/A	N/A	N/A	N/A
POC code	1	1	1	1
Instrument manufacturer/model	APMA-370	Thermo 42i	API 400E	Thermo 43i-TLE
Serial #	D000D6UK		523-S	0831832130
Property #	E000344	16739	N/A	16748
Last calibration date	4/26/11	2/9/11	2/15/11	4/26/11
Analysis method	Non dispersive infrared	Chemiluminescence	UV Photometric	Pulsed fluorescence
Start date	10/62	10/62	10/62	10/62
Operation schedule	1:1	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.4	6.4	6.4	6.4
Distance from supporting structure	1.1	1.1	1.1	1.1
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	5	5	5	5
Distance from trees	6	6	6	6
Distance to furnace or incinerator flue	6	6	6	6
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	6.1	8.4	6.9	8.9
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	No	No	No	No

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
Date of last annual performance evaluation	3/16/11	3/16/11	3/16/11	3/16/11
Dates of semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
Date of past year's PM2.5-PEP audit	N/A	N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	N/A

Pollutant	PM10-SSI	TSP A (Lead)	TSP B (Lead)	PM10 FEM BAM
Site type	SLAMS	SLAMS	SLAMS	SLAMS
Monitor objective	Population Oriented	Population Oriented	Population Oriented	Population Oriented
Spatial scale	Middle Scale	Microscale	Microscale	Middle Scale
Instrument type	Primary	Primary	Audit	Audit
Method code	N/A	N/A	N/A	170
POC code	1	1	2	3
Instrument manufacturer/model	GMW	GMW	GMW	Met 1 PM10 FEM BAM 1020
Serial #	N/A	N/A	N/A	F6473
Property #	4934	1542	1583	USC 166622
Last calibration date	4/28/11	3/23/11	3/23/11	3/26/11
Analysis method	Gravimetric	Inductively Coupled Argon Plasma-Mass Spectrometry	Inductively Coupled Argon Plasma-Mass Spectrometry	Beta Attenuation
Start date		09/90	09/90	
Operation schedule	1:6	1:6	1:6	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.7	6.3	6.3	7.0
Distance from supporting structure	1.4	1.1	1.0	1.8
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	6	4	4	4
Distance from trees	6	6	6	6
Distance to furnace or incinerator flue	8	8	8	N/A
Distance between collocated monitors	2	3	3	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	Monthly	Monthly	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	Monthly
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Date of last annual performance evaluation	N/A	N/A	N/A	N/A
Dates of semi-annual flow rate audits for PM monitors	5/27/10, 9/30/10	5/27/10, 9/30/10	5/27/10, 9/30/10	7/6/10
	12/15/10	12/15/10	12/15/10	12/12/10
Date of past year's PM2.5-PEP audit	N/A	N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	Scheduled	Scheduled	N/A

Pollutant	PM2.5 RAAS	ARB Toxics 910 VOC	ARB Toxics 924	PM2.5 FEM BAM
Site type	SLAMS	CA Air Toxics	CA Air Toxics	SLAMS
Monitor objective	Highest Concentration	Population Oriented	Population Oriented	Population Oriented
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Middle Scale
Instrument type	Primary	CA Air Toxics	CA Air Toxics	Audit
Method code	N/A	N/A	N/A	170
POC code	1	N/A	N/A	3
Instrument manufacturer/model	Andersen RAAS2.5-300	Xontech 910 PC ARB	RM Environmental Systems Inc. 924	Met 1 PM10 FEM BAM 1020
Serial #	359	006100	9241009	F6473
Property #	E000003	20062215 (ARB)	20021012 (ARB)	USC 164835
Last calibration date	3/26/11	Unknown	02/23/10	3/26/11
Analysis method	Gravimetric	Analyzed by CARB lab	Analyzed by CARB lab	Beta Attenuation
Start date	01/03/99		01/03/99	
Operation schedule	1:1	1:12	1:12	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	2.8	7.0	7.2	7.0
Distance from supporting structure	1.8	1.7	1.9	1.8

Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	6	8	4
Distance from trees	20	6	6	6
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	46	N/A	N/A	46
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	SS/Glass/Teflon	SS/Glass/Teflon	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?	Yes	N/A	N/A	No
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	Monthly
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Date of last annual performance evaluation	N/A	N/A	N/A	N/A
Dates of semi-annual flow rate audits for PM monitors	7/6/10	N/A	N/A	7/6/10
	12/12/10	N/A	N/A	12/12/10
Date of past year's PM2.5-PEP audit	6/23/10	N/A	N/A	N/A
Date of past year's Pb-PEP audit	N/A	N/A	N/A	N/A

**Long Beach (North)
Site Photos**



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.

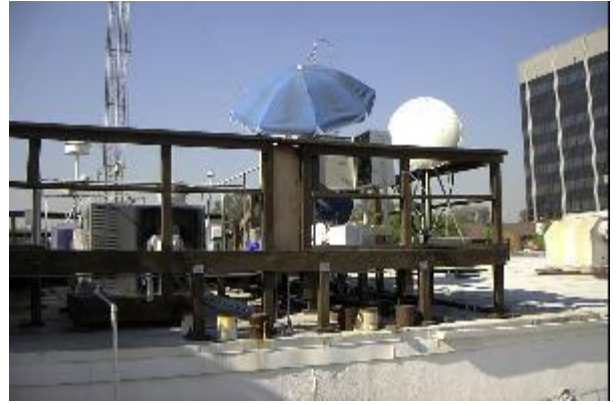


Looking West from the probe.

**Long Beach (North)
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.