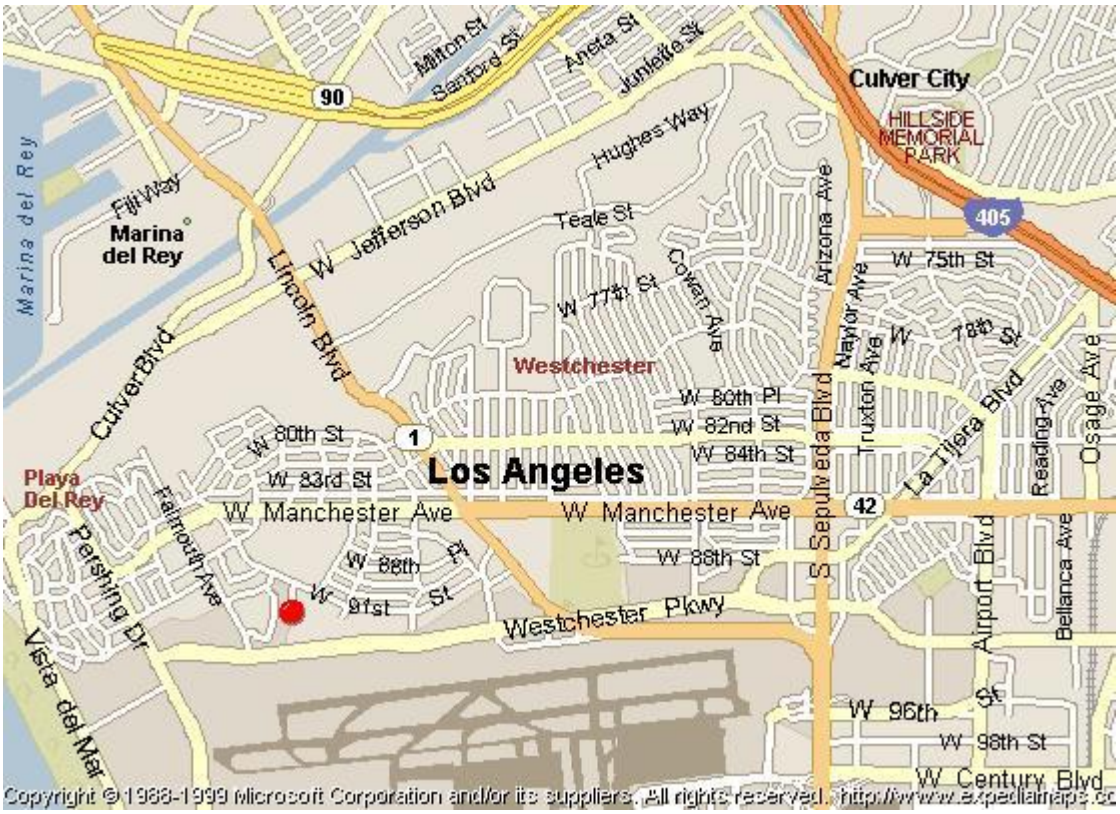
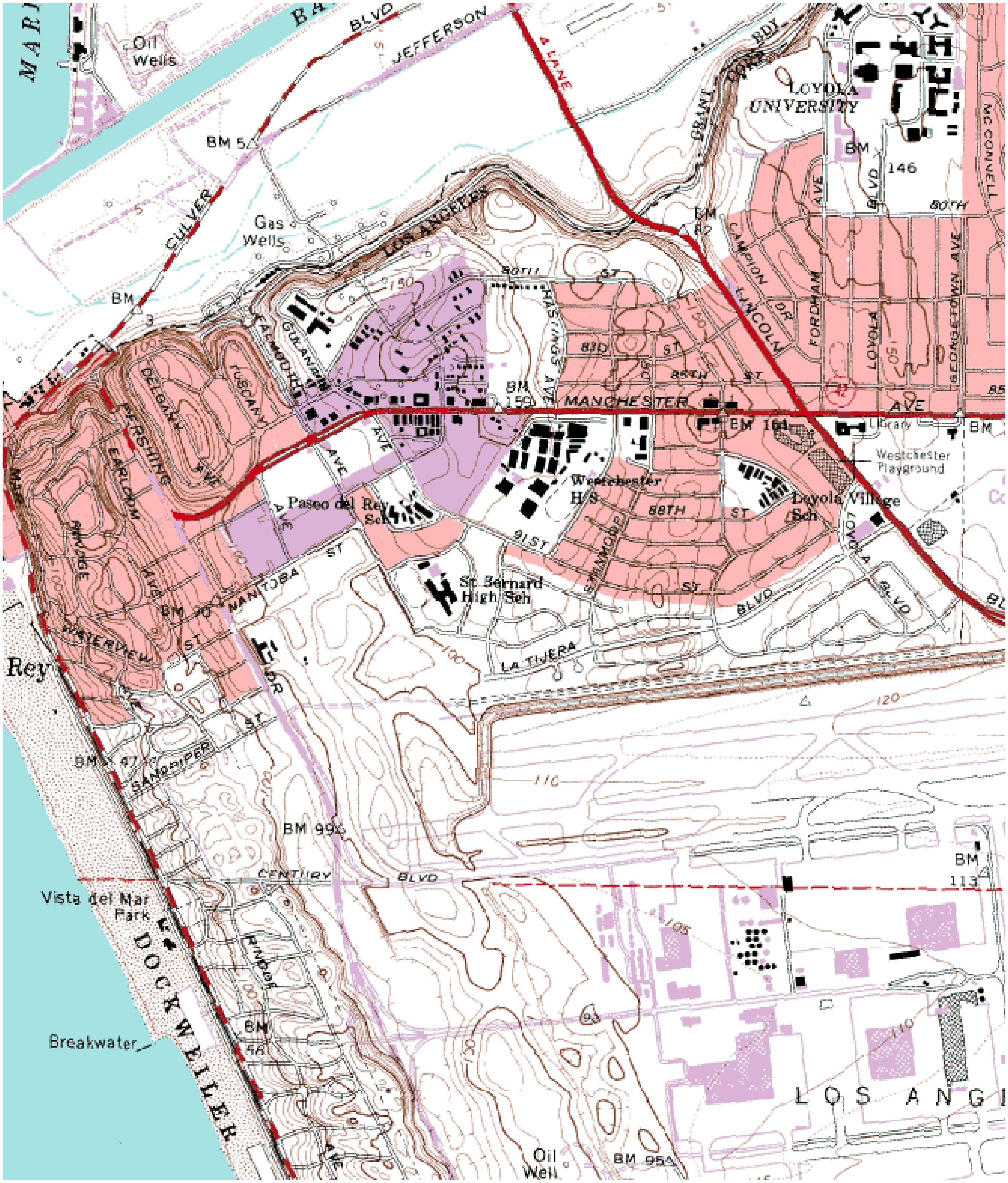
Quality Assurance
Site Survey Report for LAX - Hastings

Last updated: May 15, 2016



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060375005	70111	04/2004	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
7201 W Westchester Pkwy Los Angeles, CA 90045	Los Angeles	South Coast	33° 57' 18"N	118° 25' 49"W	37



Oil Wells
JEFFERSON BLVD
4 LANE
LOYOLA UNIVERSITY
BM 146
BM 5
CULVER
Gas Wells
LOS ANGELES
BM 3
80TH
ST
HASTINGS AVE
CAMPION DR
LINCOLN
FORDHAM
LOYOLA
GEORGETOWN AVE
MC CONNELL
83D ST
85TH ST
DELGANY
TUSCANY
PERSHING
EARLDOM
RINDGE
BM 159
MANCHESTER AVE
BM 161
Library
Westchester Playground
Westchester H S
Paseo del Rey Sch
Loyola Village Sch
88TH ST
91 ST
St Bernard High Sch
MANITOBA ST
WATERVIEW ST
Rey
LA TIJERA
BLVD
SANDPIPER
BM 47
BM 99
CENTURY BLVD
Vista del Mar Park
DOCKWEILER
Breakwater
BM 56
BM 113
LOS ANG
Oil Well
BM 95

Detailed Site Information

Local site name	LAX - Hastings
AQS ID	060375005
GPS coordinates (decimal degrees)	Latitude: 33° 57’ 18” Longitude: 118° 25’ 49”
Street Address	7201 W Westchester Pkwy, Los Angeles, CA 90045
County	Los Angeles
Distance to roadways (meters)	85 - 92
Traffic count (AADT, year)	2,000 / 2012
Groundcover (e.g. asphalt, dirt, sand)	Asphalt
Representative statistical area name (i.e. MSA, CBSA, other)	31080-Los Angeles-Long Beach-Anaheim MSA

Pollutant, POC	Carbon Monoxide, 1	Nitrogen Dioxide, 1	Ozone, 1	Sulfur Dioxide, 1
Parameter code	42101	42602	44201	42401
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure, Background	Population Exposure, Background	Population Exposure, Background	Population Exposure, Background
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Instrument manufacturer and model	Horiba APMA 370	Thermo 42i	API/Teledyne 400E	Thermo 43i-TLE
Method code	158	074	087	560
FRM/FEM/ARM/ other	FRM	FRM	FEM	FEM
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g. micro, neighborhood)	Middle	Middle	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	04/12/2004	04/12/2004	04/12/2004	04/12/2004
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:1	1:1
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	N/A	N/A
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.2	4.2	4.2	4.2
Distance from supporting structure (meters)	1.8	1.8	1.8	1.8
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A

Distance from trees (meters)	20 (height 10)	20 (height 10)	20 (height 10)	20 (height 10)
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	Teflon
Residence time for reactive gases (seconds)	4.9	6.0	6.0	6.2
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	Nightly	Nightly
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	09/24/2015	09/24/2015	09/24/2015	09/24/2015
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	N/A

Pollutant, POC	Lead, 1	24 Hour VOCs (Type 1), 1	3 Hour VOCs (Type 1), 1	PM10,1
Parameter code	14129	See Table 26	See Table 26	See Table 26
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure/ Background	Population Exposure/Background	Population Exposure/Background	Population Exposure/ Background
Monitor (type)	SLAMS	PAMS	PAMS	SLAMS

Instrument manufacturer and model	Tisch Env. TE 6070 TSP	Xontech 910A	RM Environmental Systems 910A	GMW 1200 SSI
Method code	110	See Table 26	See Table 26	063, 102
FRM/FEM/ARM/ other	FRM	Other	Other	FRM
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Reporting Agency				
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	04/12/2004	04/12/2004	04/12/2004	04/12/2004
Current sampling frequency (e.g.1:3, continuous)	1:6	1:6	1:3	1:6
Calculated sampling frequency (e.g. 1:3/1:1)	1:6	No CFR mandated sampling schedule.	No CFR mandated sampling schedule.	1:6
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	7/1 to 9/30	01/01-12/31
Probe height (meters)	2.0	3.8	3.8	2.0
Distance from supporting structure (meters)	1.1	1.4	1.4	1.1
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	16	16	16	16
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	Stainless steel	Stainless steel	N/A
Residence time for reactive gases (seconds)	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against	N/A	N/A	N/A	N/A

the annual PM2.5? (Y/N)				
Frequency of flow rate verification for manual PM samplers	Monthly	N/A	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A
Frequency of one-point QC check for gaseous instruments	N/A	Annually	Annually	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	2/5/15	2/5/15	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	05/22/2015, 11/25/2015	N/A	N/A	05/22/2015, 11/25/2015

LAX - Hastings
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

LAX - Hastings
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.