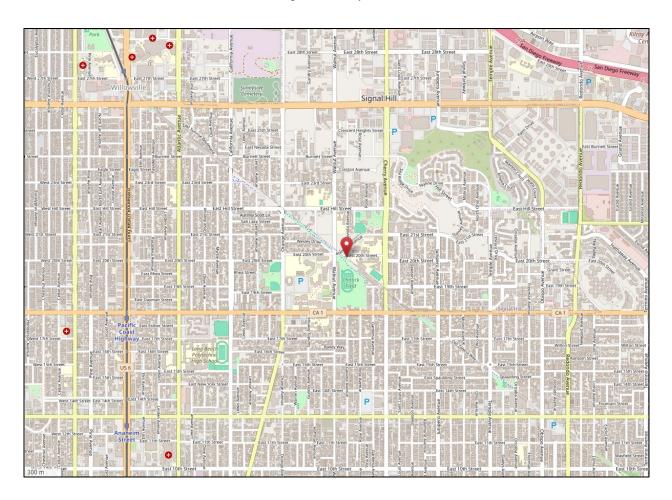
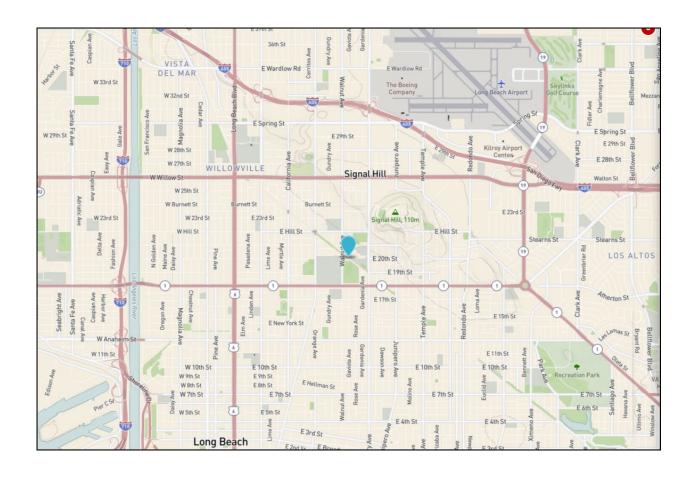
South Coast AQMD Site Survey Report for Signal Hill Last updated: May 7, 2024



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060374009	36039	01/01/2020	South Coast AQMD (0972)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
1710 E. 20 th Street Signa1 Hill CA 90755	Los Angeles	South Coast	33.793713	-118.171019	8



Detailed Site Information

Local site name	Sig		Signal Hill			
AQS ID		0603740	09			
GPS coordinates (decimal degrees)		Latitude: 33.793713, Longitude: -118.171019				
Street Address		1710 E. 20 th Street, Signal Hill CA 90755				
County		Los Ange	eles			
Distance to roadways	(meters)	18				
Traffic count (AADT,	year)	281, 202	2			
Groundcover		Concrete, Gravel				
(e.g. asphalt, dirt, sand	/					
Representative statistic (i.e. MSA, CBSA, other		31080-Los Angeles-Long Beach-Anaheim, MSA				
Pollutant, POC	Nitrogen Di	oxide, 1	Ozone, 1	Sulfur Dioxide, 1		
Primary / QA	N/A		N/A	N/A		
Collocated / Other						
Parameter code	42602		44201	42401		
Basic monitoring	NAAQS		NAAQS	NAAQS		
objective(s)						
Site type(s)	Population	Exposure	Population Exposure	Population Exposure		
Monitor (type)	SLAMS		SLAMS	SLAMS		
Network Affiliation	N/A		N/A	N/A		
Instrument	API/Teledy	ne T200	API/Teledyne T400	Thermo 43i-TLE		
manufacturer and						
model						
Method code	099		087	560		
FRM/FEM/ARM/	FRM		FEM	FEM		
other			G 4 G + 4 O) (D	G 4 G + + O) (D		
Collecting Agency	South Coast AQMD		South Coast AQMD	South Coast AQMD		
Analytical Lab (i.e.,	N/A		N/A	N/A		
weigh lab, toxics lab,						
other) Reporting Agency	South Coas	t AOMD	South Coast AQMD	South Coast AQMD		
			7	-		
Spatial scale (e.g.	Neighborho	od	Neighborhood	Neighborhood		
micro, neighborhood)	01/2020		01/2020	01/2021		
Monitoring start date (MM/DD/YYYY)	01/2020		01/2020	01/2021		
Current sampling	Continuous		Continuous	Continuous		
frequency (e.g.1:3,	Continuous		Continuous	Continuous		
continuous)						
Calculated sampling	N/A		N/A	N/A		
frequency						
(e.g. 1:3/1:1)						
Sampling season	01/01-12/31		01/01-12/31	01/01-12/31		
(MM/DD-MM/DD)						
Probe height (meters)	4.3		4.3	4.3		
Distance from	N/A		N/A	N/A		
supporting structure						
(meters)						
Distance from	N/A	·	N/A	N/A		
obstructions on roof						
(meters)						

	T = = r .	T = = 4 :		
Distance from	N/A	N/A	N/A	
obstructions not on				
roof (meters)				
Distance from trees	>20 m East	>20 m East	>20 m East	
(meters)	Height 8.8 m.	Height 8.8 m.	Height 8.8 m.	
	13 m Southwest	13 m Southwest	13 m Southwest	
	Height 4.3 m	Height 4.3 m	Height 4.3 m	
Distance to furnace or	N/A	N/A	N/A	
incinerator flue				
(meters)				
Distance between	N/A	N/A	N/A	
collocated monitors	1,112	1 " 1 2	1 1 1 1	
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)	300	300	300	
Probe material for	Teflon	Teflon	Teflon	
	1 011011	1 011011	1611011	
reactive gases				
(e.g. Pyrex, stainless				
steel, Teflon)	11.0	10.5	17.6	
Residence time for	11.8	10.5	17.6	
reactive gases				
(seconds)				
Will there be changes	No	No	No	
within the next 18				
months? (Y/N)				
Is it suitable for	N/A	N/A	N/A	
comparison against				
the annual PM2.5?				
(Y/N)				
Frequency of flow	N/A	N/A	N/A	
rate verification for				
manual PM samplers				
Frequency of flow	N/A	N/A	N/A	
rate verification for				
automated PM				
analyzers				
Frequency of one-	Nightly	Nightly	Nightly	
point QC check for			- 1-6-1-7	
ga seous instruments				
Last Annual	03/23/2023	03/23/2023	03/23/2023	
Performance	03/23/2023	03,23,2023	03/23/2023	
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	
flow rate audits for	1 W/ A	1 N/ A	1N/A	
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	Continuous PM2.5, 3	Continuous PM10, 3	24 Hour PM2.5, 1
Primary / QA	Primary	Primary	Collocated
Collocated / Other			For NetworkMet One
			BAM 1020 (PM 2.5)
Parameter code	88101	81102	88101
Basic monitoring	NAAQS	NAAQS	NAAQS
objective(s)	D 1 : T	D 1 1 1 1	
Site type(s)	Population Exposure	Population Exposure	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS
Network Affiliation	N/A	N/A	N/A
Instrument	Met One BAM 1020	Met One BAM 1020	Thermo Partisol 2000i
manufacturer and			
model Method code	170	122	143
FRM/FEM/ARM/	FEM	FEM	FRM
other	ΓΕIVI	LEIM	FKW
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e.,	South Coast AQMD South Coast AQMD	N/A	South Coast AQMD South Coast AQMD
weigh lab, toxics lab	South Coast AQMD	1 V/ /\(\frac{1}{2}\)	South Coast AQIVID
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood Neighborhood
micro, neighborhood)	1 to gnoom ood	rieignoomood	reignoomood
Monitoring start date	04/2022	01/2022	04/2022
(MM/DD/YYYY)			
Current sampling	Continuous	Continuous	1:12
frequency (e.g.1:3,			
continuous)	3 .7/4	3 T / A	1.10
Calculated sampling	N/A	N/A	1:12
frequency (e.g. 1:3/1:1)			
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31
(MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.3	4.2	4.4
Distance from	N/A	N/A	N/A
supporting structure	1 1 1 1	1771	
(meters)			
Distance from	N/A	N/A	N/A
obstructions on roof			
(meters)			
Distance from	N/A	N/A	N/A
obstructions not on			
roof (meters)	10 7	10 7	
Distance from trees	18 m East	18 m East	17 m East
(meters)	Height 8.8 m. 15 m Southwest	Height 8.8 m.	Height 8.8 m.
	Height 4.3 m	14 m Southwest Height 4.3 m	17 m Southwest Height 4.3 m
Distance to furnace or	N/A	N/A	N/A
incinerator flue	1 1/ / 1	1 1/ / 1	11/11
(meters)			
Distance between	2.0	N/A	2.0
collocated monitors			
(meters)			
Unrestricted airflow	360°	360°	360°
(degrees)			
(degrees)			

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A
Residence time for reactive gases (seconds)	N/A	N/A	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	Yes	N/A	Yes
Frequency of flow rate verification for manual PM samplers	N/A	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly	N/A
Frequency of one- point QC check for gaseous instruments	N/A	N/A	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	03/09/2023 08/30/2023	03/09/2023 08/30/2023	03/09/2023 08/30/2023

Pollutant, POC	WS & D, 1/1	RH/T, 1/1	BP, 1	
Primary / QA	N/A	N/A	N/A	
Collocated / Other				
Parameter code	61101/61102	62201/62101	64101	
Basic monitoring	NAAQS	Research	Research	
objective(s)				
Site type(s)	Meteorological	Meteorological	Meteorological	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument	RM Young 05305V	Rotronic HC2-S3	MetOne 092	
manufacturer and				
model				
Method code	065/065	063/063	015	
FRM/FEM/ARM/	N/A	N/A	N/A	
other	~ 1 ~			
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e.,	N/A	N/A	N/A	
weigh lab, toxics lab	C	C41 C 4 4 CM CD	Contl. Cont. AOMD	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g.	Neighborhood/Urban	Neighborhood/Urban	Neighborhood/Urban	
micro, neighborhood)				
Monitoring start date	01/2020	01/2020	01/2020	
(MM/DD/YYYY)				
Current sampling	Continuous	Continuous	Continuous	
frequency (e.g.1:3,				
continuous)				
Calculated sampling	1:1	1:1	1:1	
frequency				
(e.g. 1:3/1:1)				
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	
(MM/DD-MM/DD)				
Probe height (meters)	10	3.8	2.8	
Distance from	N/A	N/A	N/A	
supporting structure				
(meters)	37/4	37/4	N. ()	
Distance from	N/A	N/A	N/A	
obstructions on roof				
(meters)	N T/ A	N T/ A	NT/A	
Distance from obstructions not on	N/A	N/A	N/A	
roof (meters) Distance from trees	>20 m East	>20 m East	>20 m East	
(meters)	>20 m East Height 8.8 m.	>20 m East Height 8.8 m.	Height 8.8 m.	
(meters)	12 m Southwest	12 m Southwest	12 m Southwest	
	Height 4.3 m.	Height 4.3 m.	Height 4.3 m.	
Distance to furnace or	N/A	N/A	N/A	
incinerator flue	1 1/ / 1	1 1/ / 1	1 1/ / 1	
(meters)				
Distance between	N/A	N/A	N/A	
collocated monitors	1111	1111	1 1/1 1	
(meters)				
Unrestricted airflow	360°	360°	360°	
Unrestricted airflow (degrees)	360°	360°	360°	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one- point QC check for gaseous instruments	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	

Signal Hill Site Photos





Looking North from the probe.

Looking East from the probe.

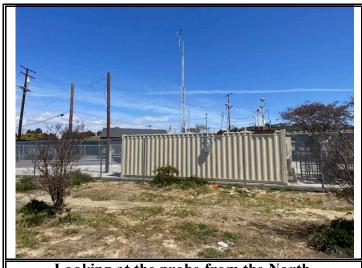






Looking West from the probe.

Signal Hill Site Photos (Cont.)

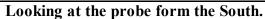




Looking at the probe from the North.

Looking at the probe from the East.







Looking at the probe form the West.