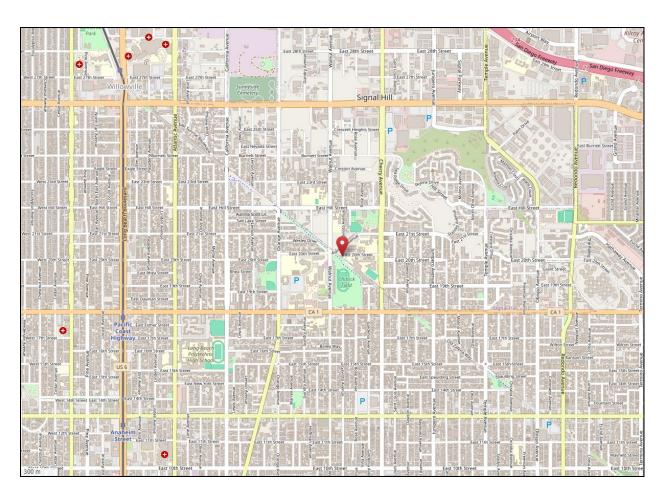
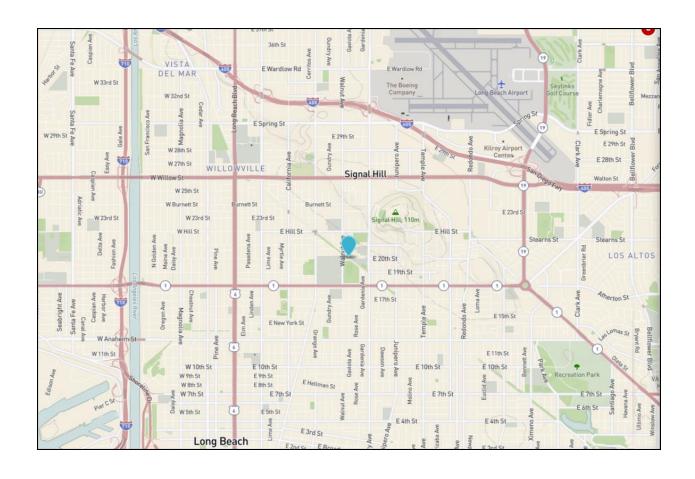
## **South Coast AQMD** Site Survey Report for Signal Hill Last updated: May 20, 2025



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 <sup>th</sup> Street Signal Hill CA 90755	Los Angeles	South Coast	33.793713	-118.171019	8



## **Detailed Site Information**

Local site name	Signal		ignal Hill			
AQS ID			060374009			
_	GPS coordinates (decimal degrees)		Latitude: 33.793713, Longitude: -118.171019			
Street Address			1710 E. 20 <sup>th</sup> Street, Signal Hill CA 90755			
County						
Distance to roadways (r	meters)	18				
Traffic count (AADT, y			281, 2022			
Groundcover	,		Concrete, Gravel			
(e.g. asphalt, dirt, sand)						
Representative statistica	al area name	31080-Lo	os Angeles-Long Beach-A	Anaheim, MSA		
(i.e. MSA, CBSA, other	r)					
Pollutant, POC	Nitrogen Die	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 E	Exposure	Population Exposure	Population Exposure		
Monitor (type)	SLAMS		SLAMS	SLAMS		
Network Affiliation	Area Wide		N/A	N/A		
Instrument	API/Teledyr	e T200	API/Teledyne T400	Thermo 43i-TLE		
manufacturer and						
model						
Method code	099		087	560		
FRM/FEM/ARM/	FRM		FEM	FEM		
other						
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 Coast	AQMD	South Coast AQMD	South Coast AQMD		
Spatial scale (e.g.	Neighborhoo	od	Neighborhood	Neighborhood		
micro, neighborhood)						
Monitoring start date	01/2020		01/2020	01/2021		
(MM/DD/YYYY)						
Current sampling	Continuous		Continuous	Continuous		
frequency (e.g.1:3,						
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)			1	1.2		
Probe height (meters)	4.3		4.3	4.3		
Distance from	N/A		N/A	N/A		
supporting structure						
(meters)	37/4		27/4	27/4		
Distance from	N/A		N/A	N/A		
obstructions on roof						
(meters)			<u> </u>			

	1 37/4	1 > 7 / 1	77/4	
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				
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)				
Probe material for	Teflon	Teflon	Teflon	
reactive gases		1011011	1011011	
(e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	11.8	10.5	17.6	
reactive gases	11.0	10.5	17.0	
(seconds)				
	No	No	No	<del>-  </del> -
Will there be changes within the next 18	NO	NO	NO	
months? (Y/N)	NT/A	NT/A	NT/A	
Is it suitable for	N/A	N/A	N/A	
comparison against				
the annual PM2.5?				
(Y/N)	27/4	NT/A	27/4	
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				
gaseous instruments				
Last Annual	4/18/2024	4/18/2024	12/4/2024	
Performance				
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	
flow rate audits for				
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	Continuous PM2.5, 3	Continuous PM10, 3	24 Hour PM2.5, 1
Primary / QA Collocated / Other	Primary	Primary	Collocated For Network Met One BAM 1020 (PM 2.5)
Parameter code	88101	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS
Network Affiliation	N/A	N/A	N/A
Instrument manufacturer and model	Met One BAM 1020	Met One BAM 1020	Thermo Partisol 2000i
Method code	170	122	143
FRM/FEM/ARM/ other	FEM	FEM	FRM
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e., weigh lab, toxics lab	South Coast AQMD	N/A	South Coast AQMD
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	04/2022	01/2022	04/2022
Current sampling frequency (e.g.1:3, continuous)	Continuous	Continuous	1:12
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	1:12
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.3	4.2	4.8
Distance from supporting structure (meters)	N/A	N/A	N/A
Distance from obstructions on roof (meters)	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A
Distance from trees	18 m East	18 m East	17 m East
(meters)	Height 8.8 m. 15 m Southwest Height 4.3 m	Height 8.8 m. 14 m Southwest Height 4.3 m	Height 8.8 m. 17 m Southwest Height 4.3 m
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A
Distance between collocated monitors (meters)	2.0	N/A	2.0
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)	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)	3/12/2024 8/15/2024	3/12/2024 8/15/2024	3/12/2024 8/15/2024	

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				
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				
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)	4.0	- 0		
Probe height (meters)	10	3.8	2.8	
Distance from	N/A	N/A	N/A	
supporting structure				
(meters)			2211	
Distance from	N/A	N/A	N/A	
obstructions on roof				
(meters)	NT/A	NT/A	NI/A	
Distance from	N/A	N/A	N/A	
obstructions not on				
roof (meters)	> 20 Foot	> 20 Foot	> 20 Faat	
Distance from trees	>20 m East	>20 m East	>20 m East	
(meters)	Height 8.8 m. 12 m Southwest	Height 8.8 m. 12 m Southwest	Height 8.8 m. 12 m Southwest	
		Height 4.3 m.		
Distance to furnace or	Height 4.3 m. N/A		Height 4.3 m. N/A	
incinerator flue	IN/A	N/A	IN/A	
(meters)				
Distance between	N/A	N/A	N/A	
collocated monitors	IN/A	IN/A	IN/A	
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)	300	300	300	
(uegrees)	1	1	1	

Probe material for reactive gases (e.g. Pyrex, stainless	N/A	N/A	N/A	
steel, Teflon)				
Residence time for	N/A	N/A	N/A	
reactive gases				
(seconds)				
Will there be changes within the next 18	No	No	No	
months? (Y/N)				
Is it suitable for	N/A	N/A	N/A	
comparison against				
the annual PM2.5?				
(Y/N)	27/1	27/1	22//	
Frequency of flow	N/A	N/A	N/A	
rate verification for				
manual PM samplers	NT/A	NT/A	NT/A	
Frequency of flow rate verification for	N/A	N/A	N/A	
automated PM				
analyzers				
Frequency of one-	N/A	N/A	N/A	
point QC check for	14/11	14/11	14/11	
gaseous instruments				
Last Annual	N/A	N/A	N/A	
Performance				
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	
flow rate audits for				
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

## Signal Hill Site Photos



**Looking North from the probe.** 



Looking East from the probe.



Looking South 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 South.



Looking at the probe form the West.