

SMAQMD Thresholds of Significance Table

Construction Phase		Operational Phase
Mass Emission Thresholds (dealing with Ozone precursors)		
NO _x	85 pounds/day	65 pounds/day
ROG	NONE	65 pounds/day
Concentration Thresholds (based on the California Ambient Air Quality Standard, identical threshold for both phases of development)		
PM ₁₀	50 µg/m ³ 24-hour standard; 20 µg/m ³ Annual Arithmetic Mean	
PM _{2.5}	12 µg/m ³ Annual Arithmetic Mean	
CO	20 ppm 1-hour standard; 9 ppm 8-hour standard	
NO ₂	0.18 ppm 1-hour standard; 0.03 ppm Annual Arithmetic Mean	
SO ₂	0.25 ppm 1-hour standard; 0.04 ppm 24-hour standard	
Lead	1.5 µg/m ³ 30-day average	
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer - visibility of ten miles or more due to particles when relative humidity is less than 70 percent	
Sulfates	25 µg/m ³ 24-hour standard	
H ₂ S	42 µg/m ³ or 0.03 ppm 1-hour standard	
Vinyl Chloride	26 µg/m ³ or 0.01 ppm 24-hour standard	

Notes:

The SMAQMD Board of Directors adopted the air quality thresholds of significance on March 28, 2002, via resolution AQMD2002018.
 A project is considered significant if emissions exceed a CAAQS or contribute substantially to an existing or projected violation of a CAAQS.
 A substantial contribution is considered an emission that is equal to or greater than 5% of a CAAQS.
 Revisions to the CAAQS are automatically adopted as revisions to these thresholds.
 Official citation for the CAAQS: California Code of Regulations, Title 17, Section 70200, Table of Standards.

Stationary Sources	
Toxic Air Contaminant (TAC) Thresholds	
Cancer Risk	An incremental increase in cancer risk greater than 10 in one million at any off-site receptor.
Non-cancer (Hazard Index)	Ground-level concentration of project-generated TACs that would result in a Hazard Index greater than 1 at any off-site receptor.

Notes:

The TAC thresholds were developed as part of the SMAQMD's AB2588 program.
 The SMAQMD Board of Directors has not established a threshold for mobile source or non-permitted sources of TAC, see Chapter 5.
 The SMAQMD Board of Directors has not established a threshold for GHG emissions, see Chapter 6.