

POLLUTANTS' STANDARDS AND NOTES TABLE

(Monitored pollutants on Spotlight Air Environmental's 'Air Quality Center' website page.)

POLLUTANT	DESCRIPTION	ACCEPTED STANDARDS AND NOTES FOR OUTDOOR AIR
CO ₂	Carbon Dioxide	423 ppm – 427 ppm, average. ¹
SO ₂	Sulfur Dioxide	75 ppb – per 1 hr. ²
GAS (CH ₄)	Methane/natural gas	500ppm for fugitive emissions from facilities, including 'centralized production' plants. ³
GAS (MOS)	Petroleum	Assessing available data for standards.
TVOC	Total Volatile Organic Compounds (dozens of chemicals)	No standards yet. (Meantime, consider: 0.25 ppm or 500 µg/m ³ for indoor TVOC standard. ⁴)
PM1.0	Particulate Matter - particles the size of 0.1 microns	No standard yet. ⁵
PM2.5	Particulate Matter - particles the size of 2.5 microns	35 µg/m ³ – per 24hrs. ⁶
PM10	Particulate Matter - particles the size of 10 microns	150 µg/m ³ – per 24 hrs. ⁷

Notes:

1. NOAA, "Global Monitoring Laboratory." <https://gml.noaa.gov/ccgg/trends/global.html>. Accessed September 2025.
2. EPA, "NAAQS Table." <https://www.epa.gov/criteria-air-pollutants/naaqs-table>. Accessed September 2025.
3. EPA, "EPA Final Rule to Reduce Methane and Other Pollution from Oil and Gas Operations." <https://www.epa.gov/system/files/documents/2023-12/summary-of-key-requirements-table.pdf>. Accessed September 2025.
4. LEED, "Indoor Environmental Quality Performance." <https://www.usgbc.org/credits/existing-buildings-interiors-existing-buildings/v41/pf905>. Accessed September 2025.
5. US Green Building Counsel. "Indoor Air quality Assessment." <https://www.usgbc.org/credits/new-construction-schools-new-construction-retail-new-construction-healthcare-data-centers-17>. Accessed September 2025.
6. EPA, above cited "NAAQS Table."
7. EPA, above cited "NAAQS Table."

Glossary of Units:

ppm - parts per million; **ppb** - parts per billion; **µg/m³** - micrograms per cubic meter; **micron** - short for micrograms. (One-millionth of a meter; so the diameter of a strand of human hair can be 50 – 100 microns.)