

Air Pollutants

Pollutant	Source(s)	Effect(s)
Ozone (O ₃)	Photochemical reaction (VOCs + NO _x + sunlight)	Impaired human health, Vegetation damage, Degradation of rubber and plastic products
Particulate matter (PM)	Fuel Combustion, Windblown dust,	Impaired human health, Increased acidity of lakes (acid particles), Vegetation damage, Altered nutrient balance of water and soil, Impaired visibility
Volatile organic compounds (VOCs), Reactive organic gases (ROGs), Hydrocarbons (HCs),	Fuel combustion, consumer products, solvents,	Contribute to ozone formation, Impaired human health (toxic compounds)
Oxides of nitrogen (NO _x)	Fuel combustion,	Contribute to ozone formation, Impaired human health, Acid rain, Particulate, Water quality deterioration, global warming, toxic compounds, Impaired visibility (brown haze)

Carbon monoxide (CO)	Fuel combustion,	Impaired human health
Sulfur oxides (SOx)	Fuel combustion,	Impaired human health, Impaired visibility, Acid rain, Vegetation damage, Water quality deterioration, Aesthetic damage to building materials, paints, sculptures
Toxic air contaminants (TACs)	188 different substances (includes petroleum, heavy metals, solvents)	Depends on the TAC (Link to TAC webpage)
Carbon dioxide (CO)	Fuel combustion	Global warming
Methane (CH ₄)	Decomposition of organic waste, cows	Global warming, Explosion hazard, Plant damage