

Gaseous pollutants can be controlled by absorption and combustion process.

Air pollution

As per the definition of the World Health Organization (WHO), air pollution is a situation in which the outdoor atmosphere contains materials in concentrations which are harmful to people and their environment.

Sources of air pollution:

There are two major sources of air pollution.

Natural sources:

Volcanic eruption releases poisonous gases.

Man-made sources:

- Deforestation
- Burning of fossil fuels
- Emissions from vehicles
- Smokes from industries.

Air pollutants:

Air pollutants are airborne substances (solids, liquids, or gases) that occur in concentrations high enough to threaten the health of people and animals, to harm vegetation and structures, or to toxify a given environment.

For example:

- Carbon Monoxide
- Lead
- Nitrogen Oxides
- Ozone
- Sulfur Dioxide
- Benzene

kerosene lanterns or portable camp stoves inside a home, cabin, recreational vehicle or camper.

- Use an air purifier to filter your indoor air. Depending on the manufacturer, an air purifier works to reduce or rid your air of microscopic particles, volatile organic compounds (VOCs), and odorous gases.
- Install a CO detector

► **Lead:**

➤ **Sources of lead:**

- Paint (older homes, old toys, furniture, crafts)
- Dust
- Soil
- Drinking water
- Air
- Folk medicines and cosmetics
- Children's jewelry and toys
- Workplace and hobbies

➤ **Control:**

- Seal leaded stained glass, with shellac or waxing, if within reach by children.

Remove non-essential pieces from their reach.

• Remove loose paint only if a small area is involved. Moisten or mist the loose paint with water. Carefully scrape peeling paint from the surface and collect it on a drop cloth. Collect the debris and seal it tightly in a plastic bag for disposal. • If your home needs major renovation, please refer to the Illinois Department of Public Health publication

• Allow tap water to run until you feel a temperature change. This flushes water that may have become contaminated while standing in the pipes. • If lead pipes are accessible to children, consider either sealing the pipes and exterior surfaces or eliminating access.

• When replacing household plumbing, select only lead-free materials.

• Clean aerators and screens on spigots regularly.