**REFERENCES:**

* <https://www.cpsc.gov/Safety-Education/Safety-Education-Centers/Carbon-Monoxide-Information-Center/Carbon-Monoxide-Questions-and-Answers>
* <http://www.icopal-noxite.co.uk/nox-problem/nox-pollution.aspx>

**Symptoms of CO and CO2:**

CO and CO2 both are odorless, colorless gas present in our atmosphere. They are undetectable to the human senses. The symptoms of low to moderate CO poisoning are similar to the flu. However they don’t have fever. People being unaware of the fact that they are being exposed to high concentration of CO and CO2 may encounter:

* Headache
* Fatigue
* Shortness of breath
* Nausea
* Dizziness
* High level CO poisoning results in progressively more severe symptoms, including:
* Mental confusion
* Vomiting
* Loss of muscular coordination
* Loss of consciousness
* Ultimately death

**Symptoms of NOx:**

NOx is composed of nitric oxide (NO) under high pressure and temperatures and is a poisonous gas. Sources of NOx are industrial waste and automobiles, trucks and various non-road vehicles.

* Causes inflammation
* Long term exposure can decrease lung function
* Increases the risk of response to allergens.
* Causes breathing problems
* Headaches
* Eye irritation
* Loss of appetite

**Symptoms of PM (Particulate Matter):**

Particulate Matter is a complex mixture of compound in our atmosphere. It contains soot, smoke, metals, nitrates, sulfates, dust, water and tire rubber in it. Sources of this pollutant is researched and found in the smoke from a fire and from the reactions of gases such as nitrogen oxides.

The size of particles is directly linked to their potential for causing health problems such as small particles pose the greatest problems as they can get in to the human bloodstream. Therefore PM2.5 is kore harmful and poses greater threat than PM10.

* Long term exposure affects the lungs
* Causes heart disease such as irregular heartbeat and sudden heart attacks.
* Premature death with heart and lung disease.
* Asthma
* Causes chronic respiratory disease in children

**Symptoms of Ozone:**

Ground-level ozone is formed when volatile organic compounds (VOCs) and oxides of nitrogen (NOx) react with the sun's ultraviolet rays. VOCs and NOx are found from cars, trucks, buses, construction equipment and agricultural equipment. When the level of ozone is 201-300, it is very unhealthy. People with lung disease, such as asthma, children under 14 and pregnant woman should avoid all outdoor exertion

* Asthma
* Causes lung disease
* Causes non-fatal heart attacks.
* Premature sudden death with heart and lung disease.
* Causes long term respiratory disease in children