

Traffic-Related Air Pollution: Fact Sheet

Traffic-related air pollution is one of the principal causes of poor air quality in Ireland

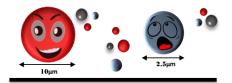
What is traffic-related air pollution?



Nitrogen Dioxide (NO₂)



Particulate Matter (PM)



Traffic-related air pollution is a complex mix of many pollutants. The main two pollutants are: nitrogen dioxide (NO₂) and particulate matter (PM) but concentrations of ground-level ozone, and sulphur dioxide, are commonly associated with traffic-related pollution too.

Nitrogen dioxide (NO₂) is an air pollutant associated with heavily trafficked areas. It originates from vehicle exhaust emissions, the highest levels of NO_2 are found closest to busy roads.

Particulate matter (PM) is very small particles (measured in microns – PM2.5 and PM10) which can be solid or liquid and are suspended in the air. In vehicles, PM originates from incomplete fuel combustion, tyre and brake wear and tear and other sources.



Traffic-related air pollution is mainly a problem in **urban areas** such as city centres and along heavily trafficked routes such as Dublin's M50 motorway (EPA Urban Environmental Indicators, 2019)

Why do we care about traffic-related air pollution?

vulnerable gro short-term poo in the long-ter	or air can cause illnes	i, elderly, and peoses like headache, e conditions e.g. as	ople with respirate breathing difficult sthma, and cause r	ory conditions. In the ry or eye irritation and educed lung function,
liver function (or cardiovascular dise	ase (European En	vironmentai Agen	cy).