



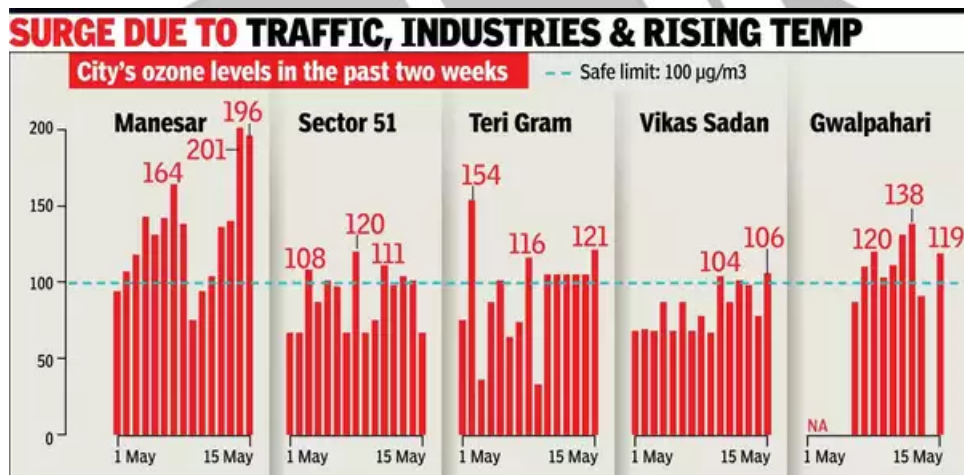
Ozone Levels Breached Safe Limit

Why in News?

According to the **Haryana State Pollution Control Board (HSPCB)**, the ground-level [ozone level](#) has exceeded safe limits in certain areas of the city over the past 15 days.

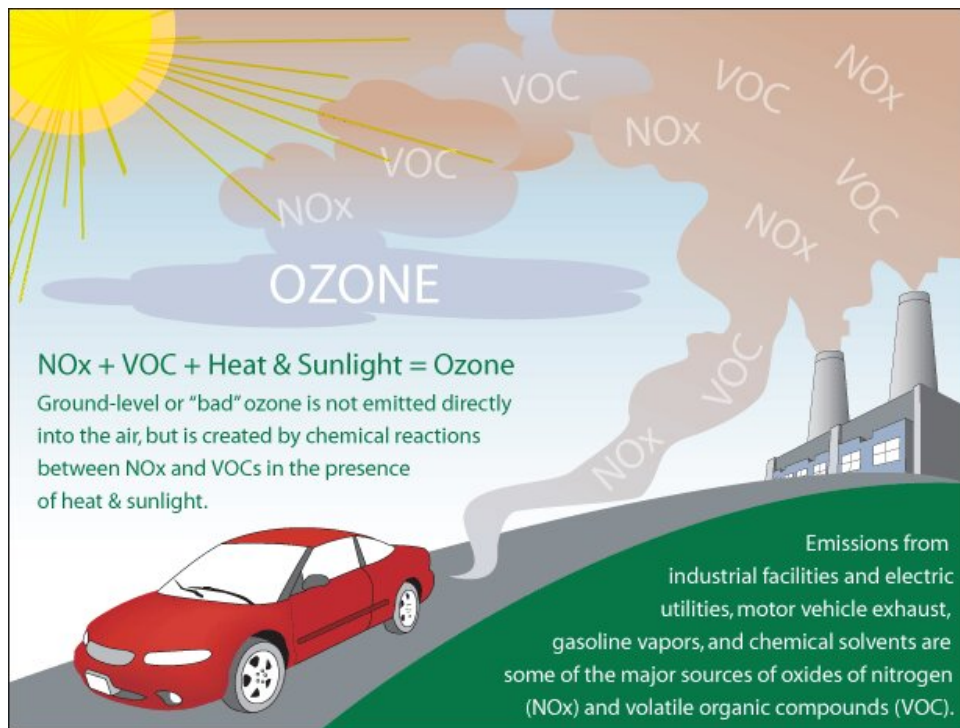
Key Points

- Data from **air monitoring stations in Manesar, Sector 51, and Gwalpahari** indicate multiple instances of surpassing the 100 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) eight-hour ozone limit.
- Experts have characterized the situation as concerning, noting that the existence of ground-level ozone indicates increased levels of other pollutants such as [nitrogen oxide \(NOx\)](#) and **sulphur oxide (Sox)**.
- These pollutants interact with sunlight to produce ozone, with this phenomenon predominantly happening during the day in locations experiencing traffic congestion or where multiple industries are active.
- **Tropospheric ozone** exposure poses health risks and can worsen conditions like **asthma and chronic obstructive pulmonary disease**.
- Officials from HSPCB stated that they have instructed local authorities to take steps to **reduce road dust and burning of garbage**.



Ozone

- **Ozone (composed of three atoms of oxygen)** is a gas that occurs both in the Earth's upper atmosphere and at ground level.
- Ozone can be "**good**" or "**bad**" for people's health and the environment, depending on its location in the atmosphere.



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