



## Ozone Levels Breached Safe Limit | Haryana | 18 May 2024

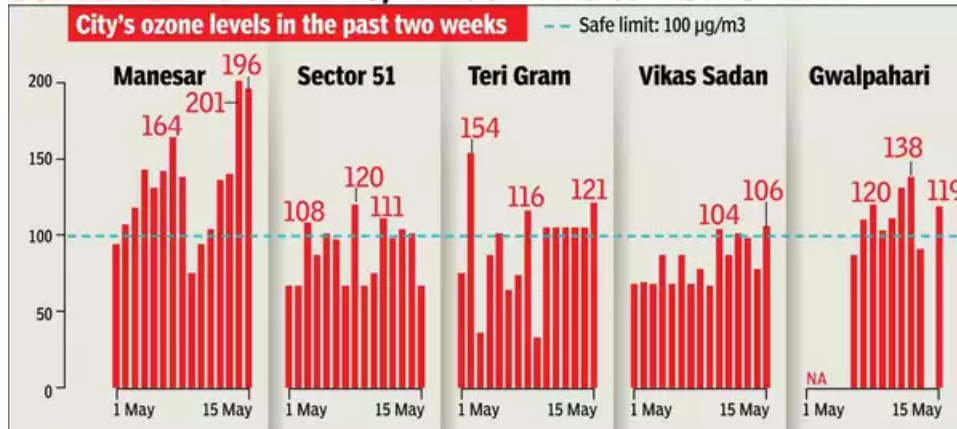
### Why in News?

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

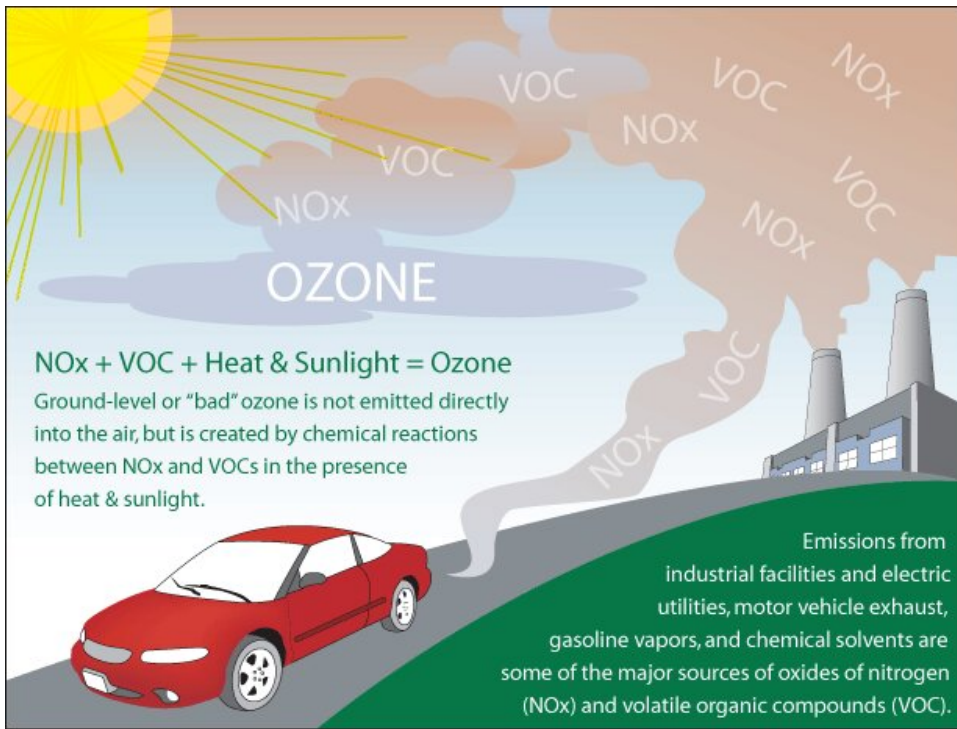
- Data from **air monitoring stations in Manesar, Sector 51, and Gwalpahari** indicate multiple instances of surpassing the 100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) eight-hour ozone limit.
- Experts have characterized the situation as concerning, noting that the existence of ground-level ozone indicates increased levels of other pollutants such as [nitrogen oxide \(NO<sub>x</sub>\)](#) and **sulphur oxide (So<sub>x</sub>)**.
- 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**.

### // SURGE DUE TO TRAFFIC, INDUSTRIES & RISING TEMP



### 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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