

PATHOVISION

Your AI Environmental Threat Monitor

Detected Item	Count
Industrial smoke / emissions	1

Detected Item : Industrial smoke / emissions

Detected Item : Industrial Smoke & Emissions ■■ Plausible/Possible Diseases : Respiratory illnesses (e.g., asthma, bronchitis, COPD), cardiovascular diseases, lung cancer, neurological impacts, developmental issues in children. Explanation : Industrial smoke comprises various harmful pollutants such as particulate matter (PM2.5, PM10), sulfur dioxide, nitrogen oxides, volatile organic compounds, and heavy metals. When inhaled, these can cause inflammation, oxidative stress, and direct damage to lung tissue, impacting respiratory and cardiovascular systems and potentially leading to long-term health complications. Advice and Precaution To Follow : • Stay informed about local air quality alerts. ■ • Limit prolonged outdoor activity when air quality is poor. ■ • Keep windows and doors closed to prevent indoor pollution. ■ • Use high-efficiency air filters or purifiers indoors if possible. ■■ • Advocate for stricter emissions controls and cleaner industrial practices. ■■