

How Clean is Portland's Air?

DEQ's Strategy to Protect the Air Quality of Portland

Cory-Ann Wind

Northwest Region Air Quality Manager



There is no simple answer to that question...

- There are many different pollutants in Portland's air.
- Some pollutants have federally mandated standards and others don't.
- Pollution levels fluctuate with the season and the weather.



Federal Air Quality Standards

Carbon Monoxide (CO)

Ozone (O₃)

Fine Particulate Matter (PM₁₀ & PM_{2.5})

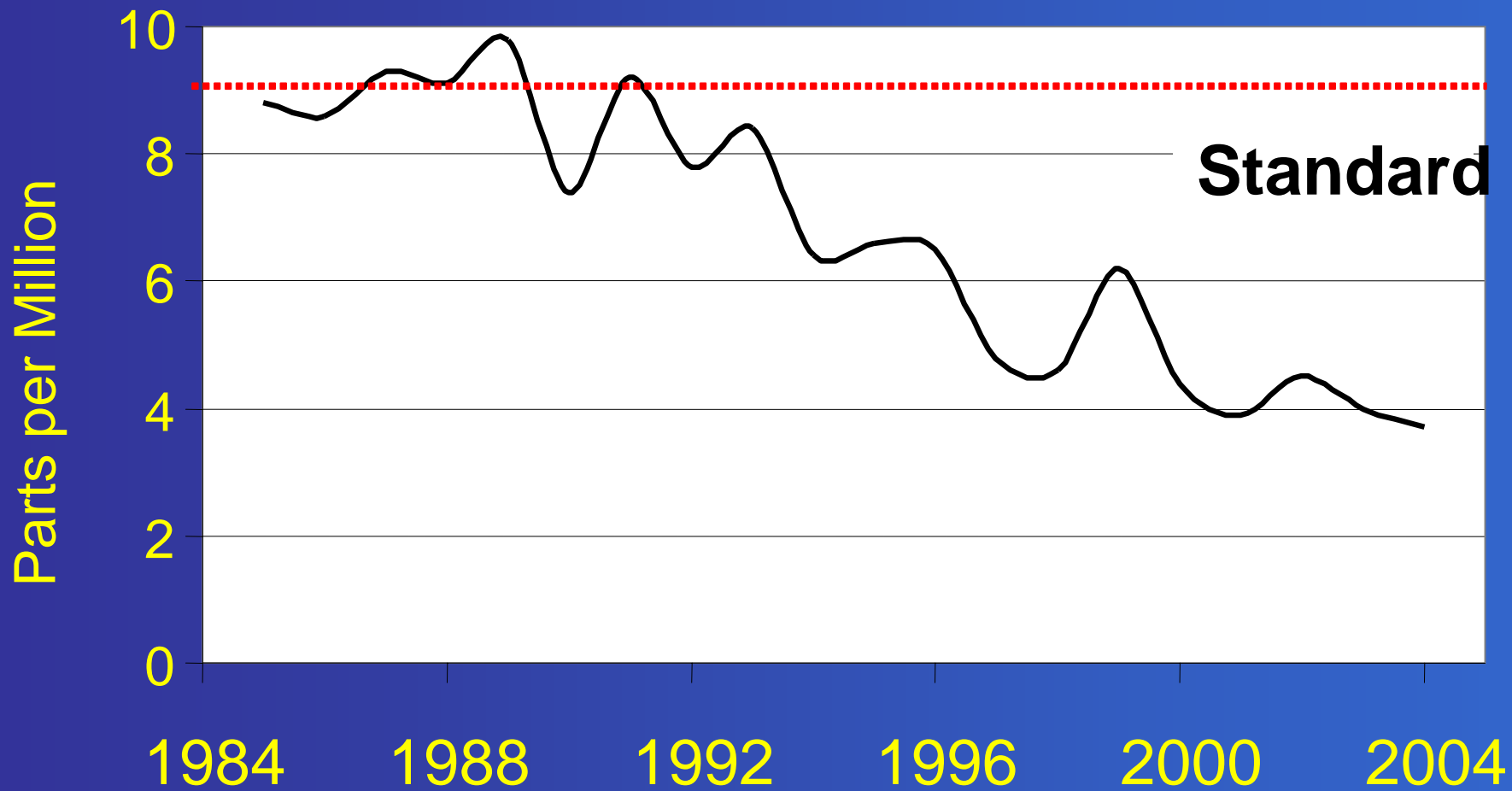
Sulfur Dioxide (SO₂)

Nitrogen Oxide (NO_x)

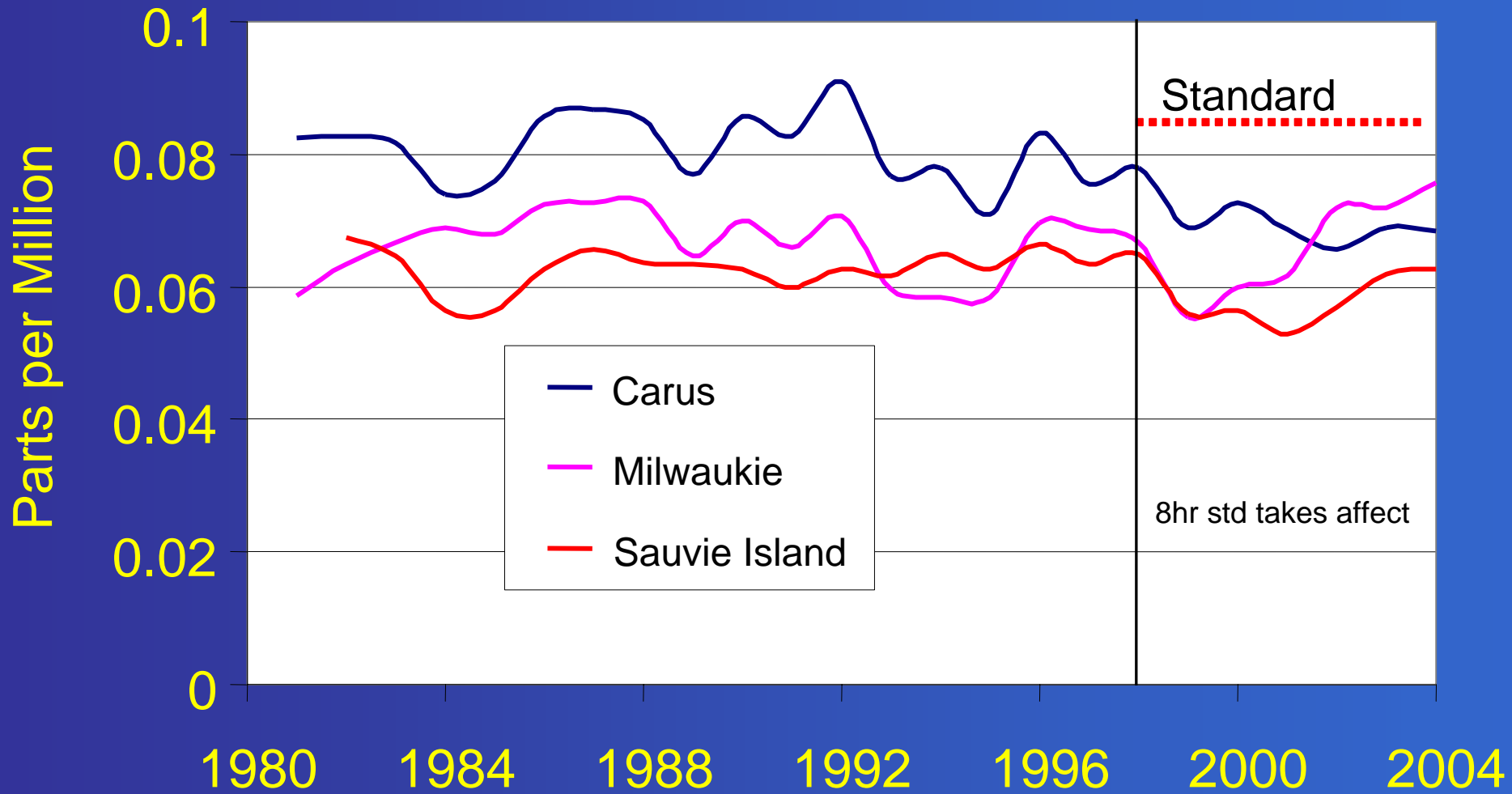
Lead (Pb)



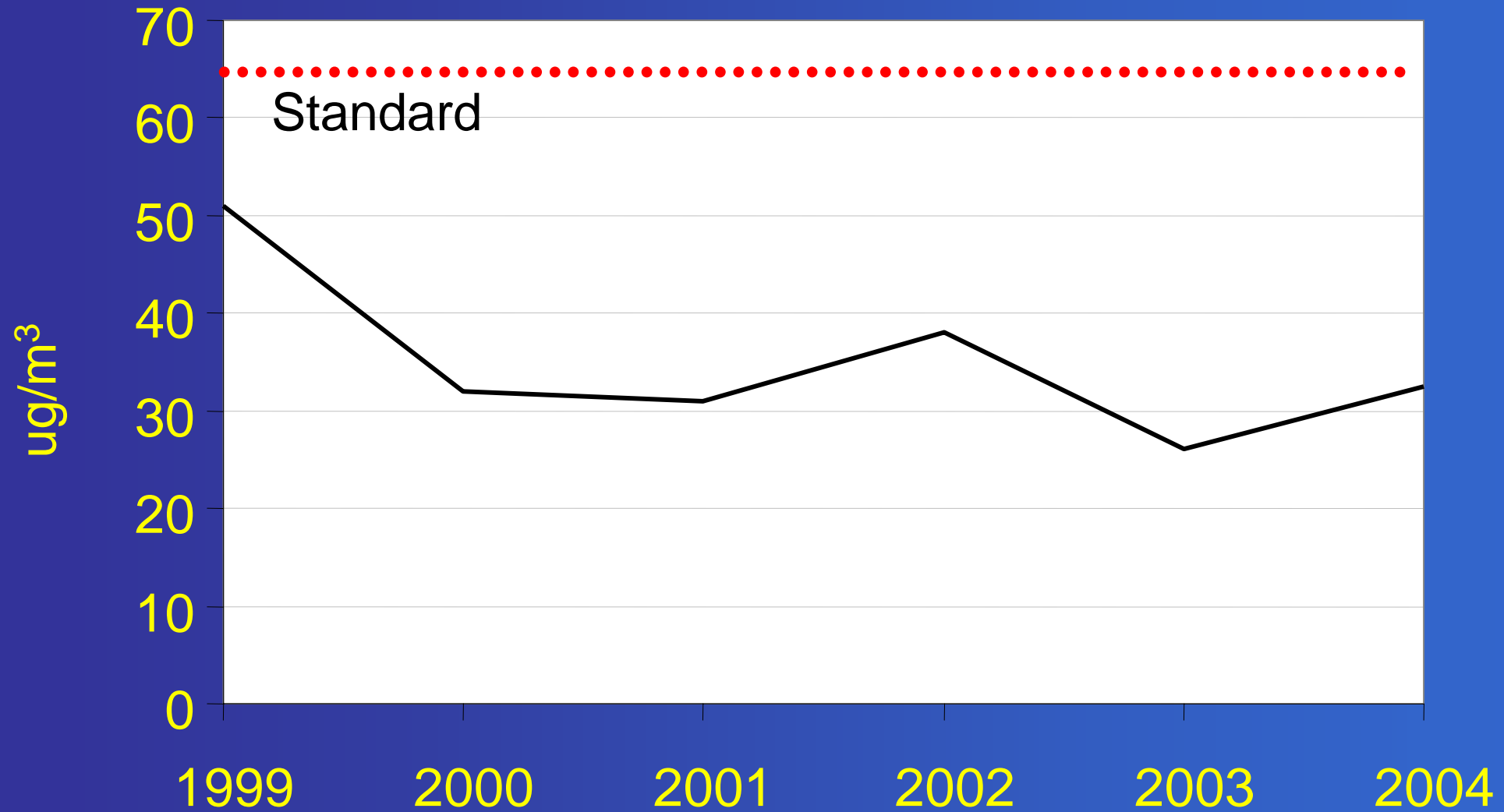
CO Trend



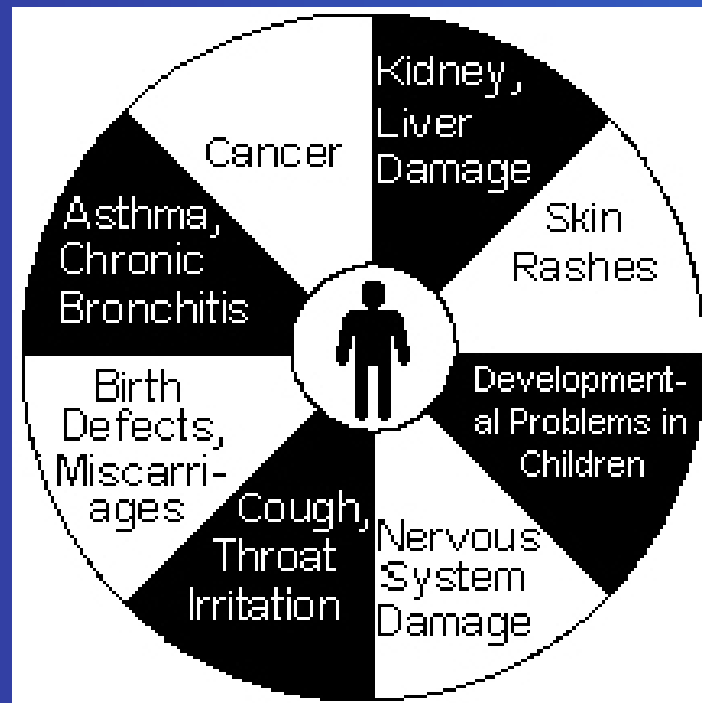
Smog Trend



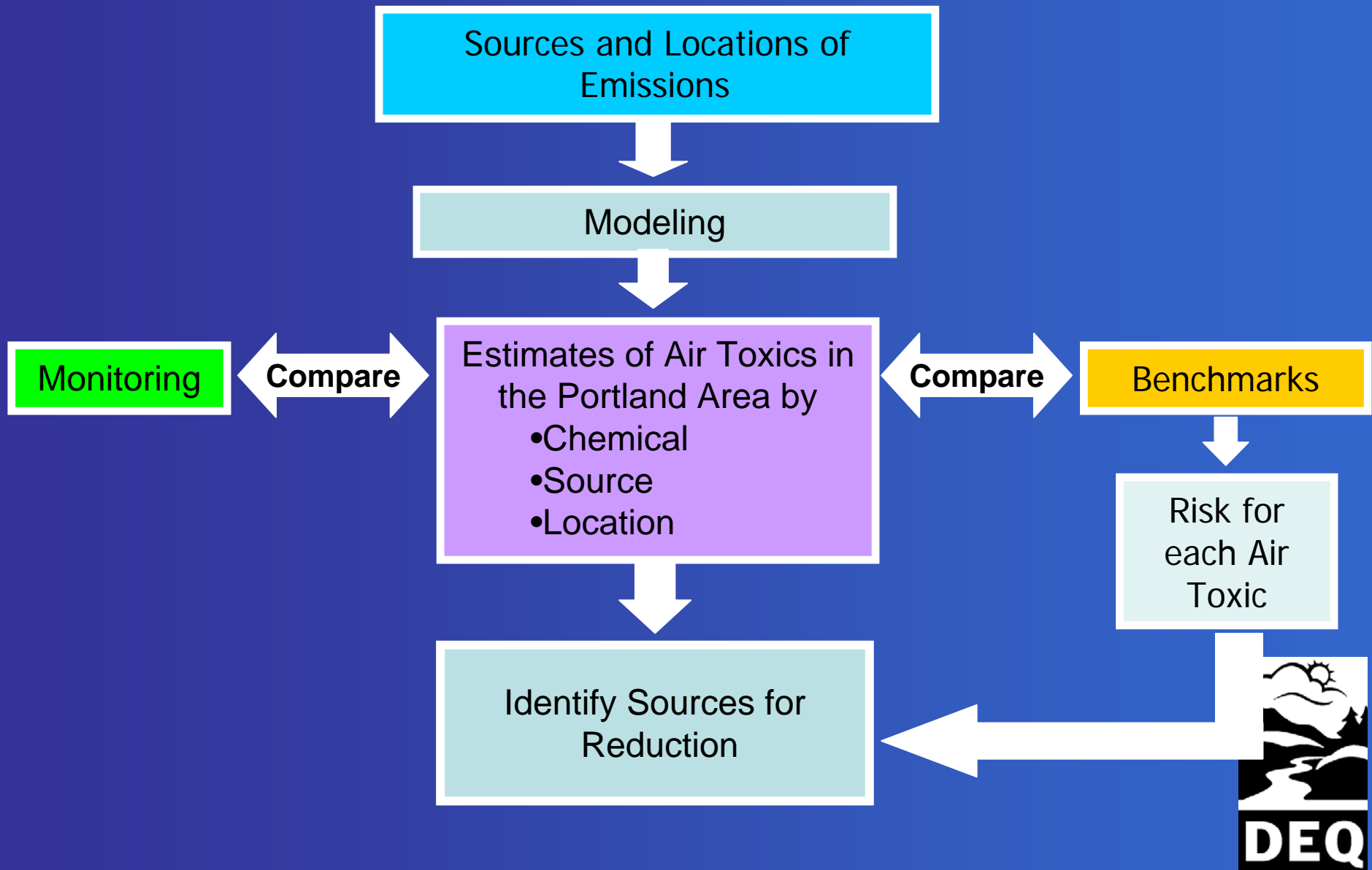
PM_{2.5} Trend



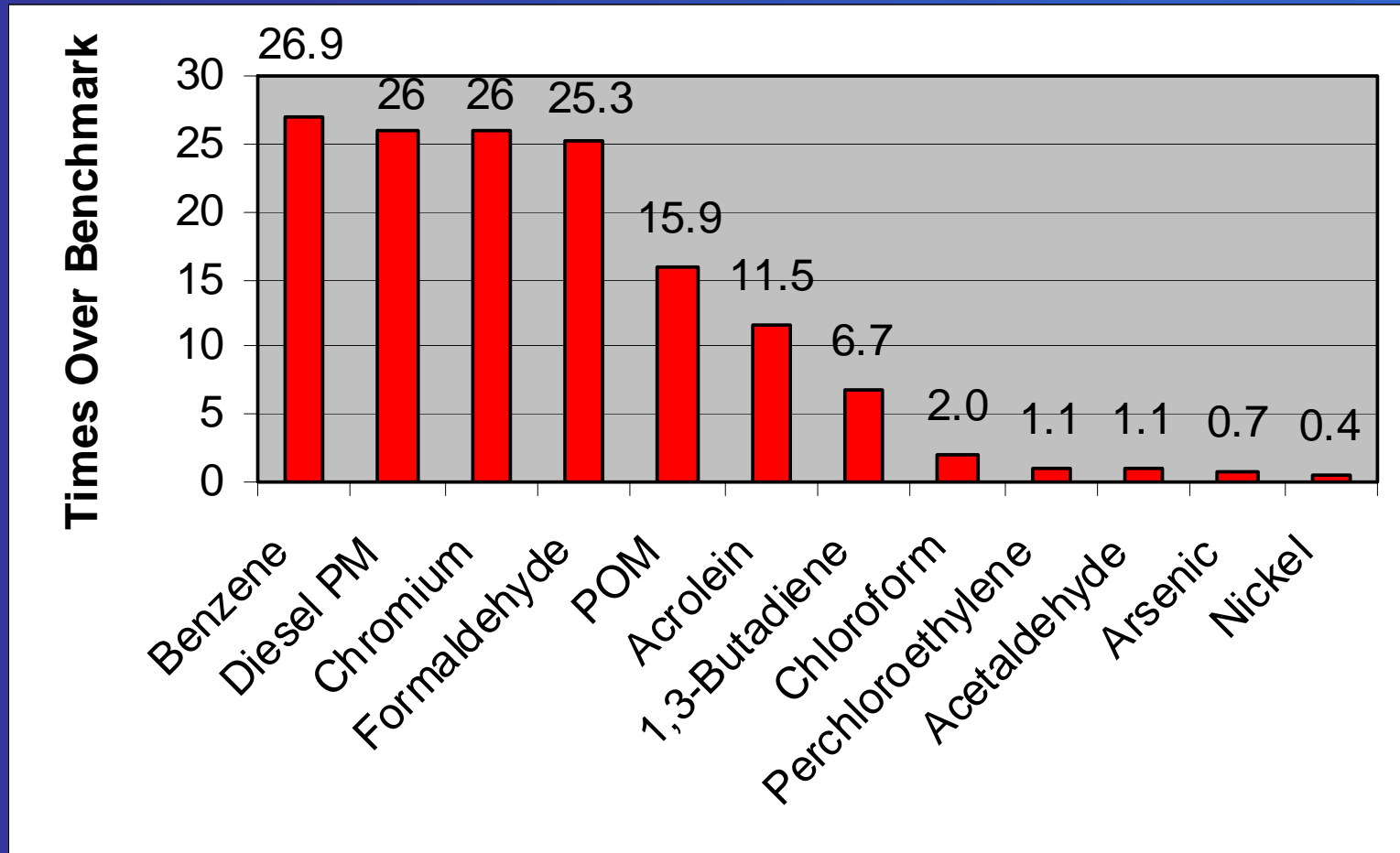
Air Toxics: An Increasing Health Concern



The PATA Process



Air Toxics in Portland



From 1999 Portland Air Toxics Assessment