



Air Pollution in South Los Angeles

Air pollutants can harm human health and the environment. Industry is an important source of air pollution in South LA.

Common Air Pollutants in South LA



Ammonia

A chemical with a very strong odor that smells like urine or sweat.



Particulate Matter

- Tiny particles suspended in the air
- PM levels are highest in the morning



Volatile Organic Compounds (VOC's)

- Benzene
- Formaldehyde
- 1,3- butadiene
- Toluene



Toxic Metals

- Arsenic (As)
- Cadmium (Cd)
- Hexavalent Chromium (Cr-VI)
- Lead (Pb)

Industrial facilities of concern



Manufacturing



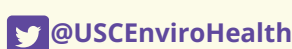
Metal Facilities



Oil and Gas



Auto Body Shops



Health impacts of air pollution

Air pollutants can harm human health at all stages of life.



- Eye, nose, throat irritation
- Sinus inflammation
- Dermatitis
- Skin irritation



- Difficulty breathing
- Asthma
- Throat & lung irritation
- Decreased lung function



- Preterm birth
- Low birth weight



- Heart disease
- High blood pressure
- Heart attacks



- Dizziness
- Headaches
- Loss of coordination
- Central nervous system damage



Lowers life expectancy

Who Is Most At Risk?

People who have challenges accessing affordable health care.

Outdoor and manual workers (i.e. farmers, gardeners, construction and traffic workers)



Infants and young children



People who have disabilities and/or medical conditions




Pregnant and elderly people



How Can You Protect Your Health?

1 Wear a face mask outdoors 


5 Increase the buffers between homes & industry 

2 Limit being outdoors on bad air days 

6 Reduce recess on bad air days 

3 Keep your doors & windows closed 

7 Get HVAC in schools & community centers 

4 Use home air purifiers to improve indoor air quality 

8 Increase trees & green space in communities 

Check the Air Quality

AQI Tool From EPA: US Environmental Protection Agency

Daily AQI Color	Levels of Concern	Values of Index	Description of Air Quality
Green	Good	0 to 50	Air pollution poses little or no health risk.
Yellow	Moderate	51-100	Air quality is "acceptable". There may be a risk for people sensitive to air pollution.
Orange	Unhealthy for sensitive groups	101-150	Members of sensitive groups may experience health effects.
Red	Unhealthy	151-200	The general public may experience health effects; sensitive groups may experience more serious health effects.
Purple	Very Unhealthy	201-300	Health alert: the risk of health effects is increased for everyone.
Maroon	Hazardous	301 and higher	Health warning of emergency conditions: everyone is more likely to be affected.

The **Air Quality Index (AQI)** is a color-coded tool from EPA that shows the health of the air.

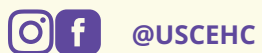
Check Air Quality Here



Air Visual App



Report odors to AQMD



8 Industry-led emissions solutions

Industries have a role to play in reducing emissions impacts of air pollution from facilities on neighboring communities.

Some protection

Industry Actions

1 Install emission-monitoring equipment on-site.



2 Change the equipment location on-site away from the public.



3 Stay up to date with emissions reporting to the Air Quality Management District (AQMD).



4 Replace polluting equipment with the best-available control technology (BACT).



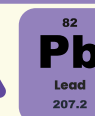
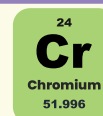
5 Communicate emergency plans with local authorities and surrounding communities



6 Substitute harmful chemicals and processes for less-toxic alternatives



7 Phase out toxic metal use in industrial processes (like Pb, Cr-VI)



More protection

8 Install zero-emission technologies and equipment

