NEIGHBORHOOD OIL DRILLING

Active oil wells producing petroleum
- Los Angeles County: 5,194
- City of Los Angeles: 1,071
- 1,500 feet from Sensitive Receptors: 759

Risk of exposure to toxic air contaminants are greater within half a mile from active oil and gas development.


OIL PRODUCTION

Heavy truck traffic

Derrick

Toxic chemicals are pumped to extract petroleum & gas.

WHAT ARE THE CUMULATIVE IMPACTS?

People who are most impacted are low-income communities of color.
**EXPOSURE TO TOXINS FROM OIL DRILLING**

### Particulate Matter

Particulate matter (PM) is a fine dust that harms lungs, heart, brain and more. Sources of PM include trucks and heavy diesel powered equipment used in the oil drilling process.

### Acidizing

When a well is drilled, pressure is used to pump oil. Once a well has decreased in production, toxins like hydrofluoric acid & hydrochloric acid are pumped into the well to increase production. Exposure to these can harm the hormone and reproductive systems.

### Volatile Organic Compounds

Oil and gas emissions are a major source of VOCs that are harmful to human health. VOCs include: benzene, toluene, ethylbenzene, xylene (BTEX), and formaldehyde. Benzene and formaldehyde are known carcinogens.

### Odorant Compounds

Fruit scented chemicals are sprayed at drilling sites to mask odors, which can be harmful to human health. These can irritate eyes, nose, throat, and impact the central nervous system. Hydrogen sulfide causes a rotten egg smell.

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**HEALTH EFFECTS OF LIVING NEAR OIL EXTRACTION SITES**

- Runny nose, nosebleeds
- Headaches, dizziness
- Eye, throat, skin irritation
- Adverse birth outcomes (low birth weight)
- Respiratory ailments
- Endocrine disorders (thyroid)

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**TAKE ACTION**

**Record, Report, Explore**
- Document odor activity
- Call South Coast AQMD 1-800-CUT-SMOG
- Download FracTracker App

**Get Informed**
- Read Drilling Down report, Liberty Hill Foundation
- Visit: www.stand.la

**Mobilize**
- Join community groups working toward environmental justice.

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**USC ENVIRONMENTAL HEALTH CENTERS**

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