

Research on health risks from...

Living near diesel exhaust



WHERE



does diesel exhaust
come from?



WHAT

is in diesel exhaust?

Diesel exhaust contains more than 40 toxic chemicals

Very high numbers of tiny ultrafine particles

High levels of harmful gases, such as nitrogen dioxide

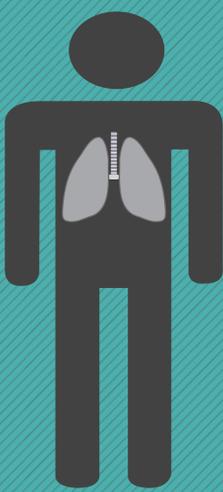
HOW

does diesel exhaust affect our health?

Short-term effects:

Irritation to the eyes, nose, throat and lungs

Cough, headache, nausea



Long-term effects:

Lung cancer

Bladder cancer

Worse allergies, asthma attacks, and lung illnesses

Heart disease

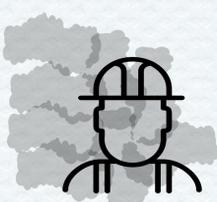
WHO

is most affected?

Research shows higher risks of cancer in

Workers

- railroad workers
- truck drivers
- dock workers
- other jobs near diesel exhaust



Residents

- who live near: rail yards
- ports
- freeways with diesel trucks
- warehouses



Environmental Justice Concern: a higher proportion of working poor households and people of color live near diesel sources



Timeline

How the research on diesel exhaust led to new policies

California Prop 65: businesses must warn people about cancer-causing chemicals

1986

California: Diesel Particulate Matter is a Toxic Air Contaminant

1998

U.S. EPA: diesel exhaust is likely to cause cancer

1999

Ports of Los Angeles and Long Beach: new law to improve health risks, "Clean Air Action Plan"

2006

World Health Organization: diesel exhaust known to cause cancer

2012

California Governor Jerry Brown: executive order on freight and zero emissions technologies

2015

Get involved



City
County
State
National

Lower Emissions = Fewer Health Impacts



For more information connect with the Moving Forward Network

#ZeroEmissionsNow

USC Environmental Health Centers

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