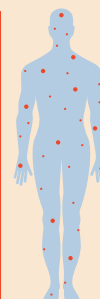


HEALTH HARMS OF FOSSIL FUEL FROM EXPLORATION TO CLOSURE



At every stage of their lifecycle, fossil fuels cause severe health harms, **many of which are long-lasting and bioaccumulative**



Extraction



Mining, drilling, fracking:

Releases dust, methane, VOCs, heavy metals, radioactive materials



Refining & Processing

Oil refineries, gas processing plants, coal washing:

Volatile Organic Compound benzene, toluene, PAHs, SO₂, NO₂



Transport & Storage



Pipelines, shipping, trucking, storage tanks:

Leaches of VOCs, methane, and co-pollutants



Combustion

Power plants, vehicles, industry, home heating:

PM_{2.5}, Black Carbon, Ozone, NO₂, SO₂, PAHs, CO



Waste & Post-combustion



Coal ash ponds, tailings, contaminated water:

Leaks arsenic, mercury, lead, chromium, cadmium, and other toxic residues