

# FRACK FREE SOUTH YORKSHIRE

**New methods of Unconventional Gas extraction, also known as Extreme Energy, threaten us. They put us at risk of....**



**Earthquakes, sinkholes, subsidence and damage to underground Aquifers.**



**Contamination of water supply, land and air with radioactive and toxic chemicals**

**COAL BED METHANE (CBM) EXTRACTION.** Water is pumped from unworkable coal seam to release trapped methane gas. Not all of the gas can be captured, some leaks into the land, water and air. The water extracted from coal seams contains toxic substances and radioactive materials, which can negatively affect soil, crops, plants, animals and people.

**UNDERGROUND COAL GASIFICATION (UCG).** Air and oxygen is pumped into inaccessible coal seams to set fire to the underground coal. Methane is released to the surface along with carbon dioxide, carbon monoxide, hydrogen gas and carcinogenic coal tars.

**SHALE GAS FRACKING (Hydraulic Fracturing)** involves drilling deep wells and forcing down at extremely high pressure a cocktail of sand, water and chemicals to fracture the shale rock and release the ancient reserves of gas. Methane and other toxic substances leak into the aquifers contaminating water supplies, soil and air. Up to 8 million gallons of water are used per well, with tens of thousands of gallons of chemicals – some toxic. All this has to come through our towns via thousands of trucks and tankers.

All methods methods cause air pollution from leaking toxic and carcinogenic vapours. In and around fracking sites in the US and Australia there are many reports of people and animals are suffering high rates of dizziness, nausea, breathing difficulties, cancer, neurological and reproductive problems.

**The gas companies must be stopped NOW!**

**Licences in our area have been granted already.**

**Please help us unite and support the FRACK FREE campaign. See our website for for more information:**

**[www.frackfreesouthyorkshire.co.uk](http://www.frackfreesouthyorkshire.co.uk)**