

Fracking in the Fylde

What you need to know!
What Cuadrilla,
Your Local Council
& the Government
won't tell you...

THE TRUTH

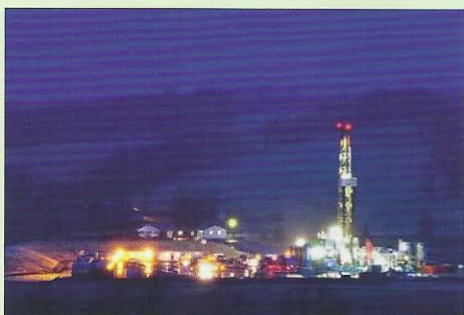
**PLEASE READ THIS BOOKLET
& KEEP FOR FUTURE REFERENCE**

**THE HEALTH AND WELL BEING OF ALL FYLDE RESIDENTS
ESPECIALLY OUR CHILDRENS DEPENDS ON HOW YOU REACT!**

A typical Cuadrilla drill
assembly.



**This booklet has been difficult to write.
Please keep in mind as you
go through it the old saying:-
“The truth is often stranger than fiction”
You are assured that
the truth prevails throughout!**



Light pollution from a
fracking site.

Generators, pumps
and tankers for a medium
size fracking site.



SO WHAT'S WRONG WITH FRACKING?

Quite simply it's unsafe!

If allowed to proceed fracking will inflict misery, ill-health and death on Fylde residents along with the demise of the regions agriculture & tourist economy!

Why is it even being contemplated?

Because the oil and gas industry see fracking as a quick return on investment. They have used their old boy/pal networks to influence government ministers to promote fracking. We have all learnt through repeated scandals that many ministers and MPs are money driven men and women who are in positions of great financial opportunity depending on how they use their influence – lots of nests will no doubt be feathered if not already! What's new?

We are especially concerned that this is the case as our representatives are choosing to play down and ignore the serious health risks to populations living in the regions where fracking is proposed.

“It's powered by greed!”

This is certainly the most serious life threatening / health issue to have faced the population in many years, particularly Fylde residents.

WHAT IS FRACKING?

Fracking is an unconventional and extremely contentious method of extracting methane gas from shale rock thousands of meters underground.

A vertical drill bores 2 to 4,000 meters down and is then turned to drill horizontally up to 4 kilometres away from the surface drilling site (well pad).

As the drilling is taking place water and chemicals are added to lubricate the drill and soften the rock.

When the well is fractured, more water (between 3 and 7 million gallons of drinking water) is mixed with approximately 9.5% silica sand and .5% additional chemicals (drinking water must be used as it is of a consistent quality to ensure the correct composition of the chemical mixture). This concoction, known as slick water, is pumped down the well under ever increasing pressure until an explosive force is created at around 15,000 p.s.i. and at an injection rate of around 265 litres per second, which fractures the shale (the frack), this opens fissures which are kept open by the grains of silica sand and the corrosive effects of chemicals used allow methane gas to be released from the shale, which then travels along and up the well bore to the surface taking with it up to 70% of the fracking fluid which was injected, now referred to as "flowback".

The remainder of the injected fluid water plus chemicals is left in the ground, some of which will migrate in to more permeable rock, even into drinking water aquifers where it can spread over vast areas.

The Chemicals Used in Fracking

Cuadrilla claim that only water, salt, polyacrylamide and hydrochloric acid will be used - **look out for pigs flying!**

Similar claims have been made in America to pacify concerned residents prior to fracking but has not been adhered to. Once fracking is under way - the practice is that more and more chemicals are added to improve lubrication, flow rates and porosity. The number of chemicals and the volumes used are not usually disclosed (for commercial reasons they say). But are known to be comprised of many human carcinogens such as benzene, acrylamide, formaldehyde, ethylene oxide and other chemicals such as toluene, bisphenol A and Diethylhexyl phthalate (DEHP). These chemicals are known to be endocrine disrupting chemicals with strong links to cancer, including breast, and myeloid leukemia (Polyacrylamide has been found to cause an increase of tumours in rats!)

But it is not just the chemicals injected which flow back to the surface and escape into other rock formations including aquifers which are of great concern, it is the naturally occurring toxins presently locked away and isolated from our living environment deep underground which are released by the fracking process into the flowback fluid. These include lead, arsenic, barium, chromium and benzene along with radioactive substances such as Radium 226, Radon 222, Uranium 238 and Strontium.

All these chemicals referred to are highly toxic human carcinogens or poisons which will resurface in the flow back liquid and must be disposed of – where?

Toxic Waste

There is currently no effective treatment of flow back waste!

In 2011 many hundreds of thousands of gallons of toxic fracking fluid from Cuadrilla's Preese Hall site at Weeton was discharged into the

Manchester Ship Canal!

Where Next?

Landfill sites at Clifton Marsh, Woods Waste Anna's Rd. Peel or Jameson's Rd. Fleetwood? Where a high percentage would inevitably leak into water courses and end up in the Ribble or Wyre estuaries poisoning marine life, wildfowl, migratory bird populations and fish.

Or maybe Halite's proposed gas storage caverns under the river Wyre at Preesall / Knott End which are also in an area of questionable geology ?

Before the toxic flow back fluid is taken away from the well pad it is stored in either open pits or tanks and as the flow is continuous a convoy of tankers, the largest permitted on UK roads, must continuously travel to and from the well pad to the disposal site. Any logistical problems would result in overflow and spillage contaminating land, water courses and ground water.

The increased volume of heavy tankers transporting waste along with HGV's transporting sand, chemicals and construction materials will inevitably lead to road congestion/grid lock at peak