



Natural Gas... clean enough to drink?



Did you know that the 9 million residents of NYC rely upon the largest unfiltered surface water system in the world? This system will be impacted by natural gas drilling in the Marcellus Shale, the largest gas reserve in the US that lies miles underneath NY, PA, OH, WV, MD, TN.

Recent advances in technology... accelerated by rising gas prices, energy costs, and our collective over-consumption of fossil fuels in recent years (can you say *Escalade*) have made natural gas exploration more accessible by updating a process first developed by Halliburton in the 1940s. That process is called **hydraulic fracturing or hydro-fracking**.

Slick Water Hydraulic Fracturing, developed in the 1990s, uses lots of water, sand, toxic chemicals, and pressure to extract the gas trapped in tiny pores and cracks dispersed throughout the Marcellus Shale (millions-of-years-old rock formations which lie thousands of feet below the Earth's surface).

Fracking takes **millions of gallons of water**. Each well can be fracked up to 10 times! The US DOE considers the millions of gallons of waste water from fracking to be one of the most toxic industrial byproducts.



COAL

OIL

NUCLEAR

GAS