



Questions from PNR LIVE 10th November 2017

Q: Can you explain what the pollutants associated with the gas extraction process are and what Cuadrilla does to contain them as per environmental law?

A: The potential pollutants are all disclosed via the Environmental Permitting Regulations and Environmental Impact Assessment Regulations and can be viewed on the Environment Agency's website. The regulations require assessments of the source, pathway, receptor, handling and storage of any chemicals, waste fluids, emissions or discharges along with an assessment of any impact that they such emissions or discharges may have upon the environment.

The site has been designed with a pad-wide impermeable membrane preventing any pathway of fluids or solids leaving the site. Emissions from planned flaring have been assessed as per regulatory processes and it is concluded that the impacts on the environment are insignificant.

How much pressure is there in the shale rock to push the gas out?

A: The actual pressure within the shale rock changes depending on the depth at which the shale is drilled. At Cuadrilla we work with a pressure gradient which, for the wells at Preston New Road, is 0.69 psi/ft measured from the surface. So at a depth of 8,000 feet beneath the surface the estimated pressure is 5,520 psi.