

Research and analysis: Landfill methane oxidation techniques

This project provides evidence on selecting appropriate methane oxidation techniques over the whole life cycle of a landfill.

When waste is disposed of in a landfill it biodegrades and produces a gas. This landfill gas is mainly made up of carbon dioxide and methane. Methane is a much more potent greenhouse gas than carbon dioxide and the climate change impact of landfilling is reduced by capturing the landfill gas and oxidising the methane to carbon dioxide.

The project provides a framework within which evidence-based decisions can be made on the appropriate methane oxidation techniques at each stage of a landfill's life-cycle. This will enable landfill operators and regulators to ensure the continued oxidation of landfill methane and so will help to mitigate the climate change impact of landfill.

Press release: Environment Agency approves Third Energy's hydraulic fracture plan

The Environment Agency has approved (Tuesday 10 October) Third Energy's hydraulic fracture plan (frack plan) for its well site at Kirby Misperton in North Yorkshire.

An approved frack plan is required before the company starts fracking under the conditions of the operator's environmental permit, which was issued by the Environment Agency in April 2016 after extensive public consultation.

The Environment Agency is confident, following a thorough assessment of the frack plan, that Third Energy has demonstrated it has the right procedures in place to control and monitor the fracturing process. The plan will be available to view on the Environment Agency's Citizen Space website.

A spokesperson for the Environment Agency said:

We are satisfied with Third Energy's arrangements for monitoring during and after hydraulic fracturing. The Environment Agency is committed to ensuring that shale gas operations meet the highest environmental standards and can only go ahead if they are safe for

people and the environment.

Our environmental permits set out the legal conditions needed to protect groundwater, surface water and air quality and to ensure the safe storage, management and disposal of waste. Our staff will continue to carry out regular on-site checks and audits to ensure that the company is meeting the high standards we require.

The fracture plan and other operational documents relating to Third Energy's operation can be found on the Environment Agency's [Citizen Space website](#).

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Notice: PE8 6LR, Pure Fuels Ltd: environmental permit issued

The Environment Agency publish permits that they issue under the Industrial Emissions Directive (IED).

This decision includes the permit and decision document for:

- Operator name: Pure Fuels Ltd
 - Installation name: Stibbington Biodiesel Plant
 - Permit number: EPR/VP3239YL/A001
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Notice: ME16 9NT, Gallagher Aggregates Limited: environmental permit application advertisement

The Environment Agency consults the public on certain applications for waste operations, mining waste operations, installations, water discharge and groundwater activities. The arrangements are explained in its [Public Participation Statement](#)

These notices explain:

- what the application is about
- how you can view the application documents
- when you need to comment by

The Environment Agency will decide:

- whether to grant or refuse the application
- what conditions to include in the permit (if granted)