

WALLEYS QUARRY

PRESS INFORMATION

Date: 23.12.2021

Title: Landfill Gas

Landfill gas, generated through the anaerobic decomposition of waste deposited within the Walleys Quarry facility is captured through a complex and extensive series of wells and pipes, installed across and throughout the landfill facility.

The gas is preferentially drawn towards the onsite treatment plant, known as the Gas Utilisation Plant (GUP) by the induction of a vacuum created through a series of air pumps, known as blowers. The GUP facility, owned and operated by the specialist Landfill Gas Management contractor, CLP Envirogas Ltd collects the gas and ensures that it is used in the most appropriate and efficient way. Principally this is through the generation of electricity, through the three onsite gas engines.

The engines are designed to turn the latent energy within the gas into electricity. This is then directly exported to the National Grid, through the onsite grid connection. On average Walleys Quarry produces enough electricity to supply approximately 5,000 homes, with year-round, dependable energy.

The implementation and expansion of the gas infrastructure through September and October 2021, has led to the amount of Landfill Gas collected at Walleys Quarry increasing from approximately 2600 m³ per hour in September to 3100m³ per hour currently. This volume is providing a stable and consistent supply of landfill gas through to the onsite GUP and landfill gas engines and ultimately to the homeowner, as electricity.

ENDS

For press information please contact press@walleysquarry.co.uk

Notes to editors:

Website: <https://www.walleysquarry.co.uk>

About Walleys Quarry:

Walleys Quarry in Newcastle-Under-Lyme, Staffordshire is a landfill site, offering safe disposal of waste that cannot otherwise be re-used or recycled.