

# WALLEYS QUARRY

## PRESS INFORMATION

**Date: 15 July 2021**

### **Title: Gas Management**

The extraction, capture and destruction of landfill gas is essential to odour control and the maximisation of collected gas to produce energy. Odour control is achieved by gas control and that is undertaken by CLP Envirogas Ltd. Walleys Quarry has completed an extensive programme of capping in 2021 which is continuing throughout July, this extensive capping ensures effective sealing of the site to maximise the gas available for capture.

As the waste deposited at the Walleys facility matures it enters a methogenic phase which yields methane and carbon dioxide along with other trace gases. The infrastructure is installed, maintained, and managed by CLP to harvest this gas through a series of pipes and manifolds to the gas utilisation plant, which is operated by CLP Envirogas. These pipes are often referred to as gas wells. The collected gas is conveyed to two silos of activated carbon to remove certain contaminants.

From there the harvested gas is processed through large gas engines that turn this gas into electricity, which is provided to the national grid. In 2020 the facility produced 16,788 MWh of electricity which is enough to power over 5000 homes. To ensure the safety and resilience of the system an array of high temperature flare units are maintained to ensure that in the event of engine failure these can be utilised to destroy the gas.

### **ENDS**

For press information please contact [press@walleysquarry.co.uk](mailto: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.