

WALLEYS QUARRY

PRESS INFORMATION

Date: 27.01.2022

To efficiently and effectively manage the incoming wastes destined for disposal at Walleys Quarry (WQ), there are a wide range of plant, machinery and equipment used. Some of this equipment may become visible through the ongoing operations at Walleys Quarry.

Landfill Compactor – This is a specialised, landfill specific piece of mobile plant, whose primary aim is to ensure that the incoming waste is quickly compacted. This ensures the efficient use of the permitted void on site, but also ensures that incoming vehicles can continue to access the disposal location effectively. Additionally, the compaction of incoming wastes is one of the main means of fire prevention, ensuring that air is squeezed from the waste and helping promote an Oxygen deficient (anaerobic) environment. Walleys Quarry has two landfill compactors in use. They are the largest and heaviest vehicles in use at the facility, weighing up to 47t gross weight and consist of a series of “spiked” drums, to aid compaction and a large “blade” for pushing and grading waste into its final position.

Tracked Loading Shovel – This is another specialised and multi-use piece of equipment used on site. Working in tandem with the Landfill Compactor, the tracked shovel helps push and carry waste materials towards their final destination, prior to being compacted. Weighing around 22t the tracked shovel is also used for the hauling and placing of cover materials once the waste compaction of the waste has ceased. Given the mobile nature of the Tracked Loading Shovel, it is also the primary means of supporting deliveries should they become stuck during periods of inclement weather.

Dumper Truck – there are several versions of dumper truck deployed at Walleys Quarry. Materials transferred from the onsite transfer pad are generally moved using a high-sided specialist vehicle. This is designed to allow the movement of large and bulky materials efficiently. Additional shallow-sided dump trucks are also used on site to support the main waste disposal operation, alongside ancillary engineering works such as the development of new cells and capping.

Dozer – this is a relatively standard piece of equipment, commonly used in the construction industry for the preparation of large areas for ready for development. Being relatively large, a dozer is principally used to push materials (waste and soils in this case) using a large “blade” mounted on the front, to a specific location. The equipment is used to create level areas and to spread materials for the covering of waste.

Excavator – Walleys Quarry utilises an excavator for a variety of uses and is a machine which is used across the facility. Should materials need to be loaded onto our Dump Trucks, the excavator can be used for this. Waste, soils and hardcore can all be loaded in this way. Due to the delicate way in which the machine can be operated, our excavator can be used to both strip materials from an area or in return, place them to level.

Tractor and ancillary attachments – At Walleys Quarry we use a standard tractor, common in use within the agricultural industry to support the activities undertaken by our main plant and equipment deployed in the receipt and disposal of waste. We are able to utilise the tractor and its attachments to undertake a range of activities such as: haulage of materials with a bulk trailer, dust suppression with an attached water bowser and the movement of materials across site in support of our main core activities. Our tractor is a versatile machine, used throughout the year in a wide range of settings.

Wheeled Loading Shovel – This machine is involved, principally in the loading of waste materials deposited upon the onsite transfer pad onto our fleet of Dump Trucks prior to removal to the disposal location. Utilising a large, front mounted bucket materials can be quickly and efficiently collected, limiting the number of movements needed to load the dump trucks.

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.