

WALLEYS QUARRY

PRESS INFORMATION

Date: 26 August 2021

Title: Walleys Quarry Update Leachate

This week's update is all about leachate which can be described as the liquid produced by rain falling on the landfill site and trickling through the waste mass for collection in the sump at the base of the site.

The leachate collection sump is some 40-50m below the top of the site and is constructed above the liner which in itself comprises a 3m thickness engineering clay.

Leachate is pumped from the sump up to the surface and from there through a network of sealed pipes located across the surface of the site to a collection tank, which then delivers the material to the onsite leachate treatment plant.

The subsequent treatment undertaken within the leachate treatment plant involves introduction of air to the material through blowers, pH stabilisation using magnesium hydroxide and digestion by specially acclimatised bugs.

The resultant treated leachate which now has much lower levels of contaminating material is then safe to dispose of to foul sewer under our trade effluent agreement with Severn Trent Water.

In times of wet weather some leachate is tankered off site for treatment at other permitted facilities to manage volumes effectively.

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.