

## 1 NON TECHNICAL SUMMARY OF DETERMINATION

W.H. Malcolm Limited has had the landfill site at Loanhead Quarry, Beith since 2012. It recently commenced operations to infill the quarry void with inert soils.

The purpose of this application is to vary the existing PPC Permit tonnage limit to allow the complete infill of the worked out western area in accordance with the current Planning Permission that was granted in December 1997.

Originally, the infill operation was restricted due to the complex engineering solution required for the existing steep faces that form the worked out area of the site. A design has now been proposed by the Operator that aims to achieve the engineering of the site to comply with the salient regulations to the satisfaction of SEPA.

Currently the permit allows partial infilling with inert waste within the redundant hard rock quarry at Loanhead Quarry (Phase 1). The proposal is to vary the permit to allow the complete restoration of the existing western void utilising this inert waste material in a complaint, engineered containment facility in accordance with the salient planning permissions (Phases 2).

The total quantity of waste allowed to be deposited at the site is applied to be varied as a reflection of the used of the entire void that remains in this western portion. Currently the proposal is to increase the depth of infill to complete the quarry, which equates to approximately 7.5Mt of waste over an estimated 10 – 15 years design life.

The Variation also seeks to amend a Trigger Level at one specific borehole (BH03) that has recorded elevated readings of Carbon Dioxide since the site commenced. This is attributed to ground conditions out-with the site boundary. In order to regularise this situation, amendment of the Trigger Level at this locale is sought by the Operator.

A new drawing labelled “Proposed Site Plan” is included within the Variation to show relevant changes in site operational layout, including proposed longer term surface water management facilities as the site would near completion.

As part of this submission, there will be no change to the volume of the environmental discharges or emissions from the site, nor their respective discharge locations, but as part of the completion of the site, additional permanent SUDS ponds and surface water management reed-beds may be formed at a later date.

### ***Glossary of terms***

BAT	-	Best Available Techniques
CO	-	Coordinating Officer
ELV	-	Emission Limit Value
SUDS	-	Sustainable Urban Drainage System