



NON-TECHNICAL SUMMARY

INERT LANDFILL PERMIT

COLSTERWORTH TRIANGLE QUARRY, CRABTREE LAND,
STAINBY, LINCOLNSHIRE, NG33 5BH



CESL LTD



JULY 2024

NTS		
Colsterworth Inert Landfill	CESL	C022-04

Revision/Version	Comments	Author	Date
1	Submission	CS	July 2024

1 NON-TECHNICAL SUMMARY

1.1 Introduction

- 1.1.1 This Non-Technical Summary (NTS) supports a Bespoke Environmental Permit Application submitted to the Environment Agency (EA) for an Inert Landfill operation to restore ‘Colsterworth Triangle Quarry’; a limestone quarry operated by Construction and Environmental Services Limited (CESL).
- 1.1.2 The proposed inert landfill area comprises a currently operational limestone quarry excavation. The current void has reached its permitted plan extents and is now being deepened in the current phase of extraction. The area to be landfilled comprises a roughly triangular void surrounded on all sides by limestone faces, but with an open gap in the northern part of the east side that has a limestone face below it that drops down to the 121mAOD level of the adjacent landfill site. To the immediate east of the proposed landfill area is an existing landfill site in a former quarry (Colsterworth Landfill Site) that is operated by FCC Environment Ltd.

1.2 The Site

- 1.2.1 Colsterworth Triangle Quarry is located south of Crabtree Road, approximately 1.5km north of Stainby in Lincolnshire. The triangular portion of land is located adjacent to the west of another, larger, limestone quarry and amongst generally agricultural land with some isolated farm buildings and residential dwellings.
- 1.2.2 Drawing GPP/CESL/SQ/ILP/24/01 ‘Permit Plan’ enclosed at Appendix 1 to the EMS shows the extent of the site which relates to the permit.

1.3 The Application

- 1.3.1 In accordance with the EA’s Guidance ‘Change, transfer or cancel your environmental permit’, the following forms are submitted to the EA:
- Part A: About you;
 - Part B2: New bespoke permit;
 - Part B4: New bespoke waste operation permit; and
 - Part F1: Opra, charges, declarations.
- 1.3.2 The site’s Environmental Management System (EMS) includes:
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- Financial Provisions;
- Management;
- Operating Techniques;
- Emissions and Monitoring;
- Closure procedures; and
- Information.

1.3.3 The following documentation is required by the forms listed above and accompanies the application. All are appended to this document:

- Site Condition Report;
- Environmental Risk Assessment;
- Environmental Setting and Site Design (ESSD) Report;
- Waste Acceptance Plan (inc. Waste Acceptance Criteria);
- Hydrological Risk Assessment (HRA);
- Stability Risk Assessment; and
- Environmental Management System.

1.4 Overview of Proposed Operations

1.4.1 An inert waste landfill forms part of a restoration strategy to restore Colsterworth Triangle Quarry to agriculture with a landform compatible with the proposed restoration of the adjacent landfill site, as required by Planning Permission S22/0289/05, granted 8th June 2006.

1.4.2 It is estimated that a total of 850,000-900,000 tonnes of inert waste is required to be imported to restore land to a suitable condition for agricultural purposes in accordance with the approved restoration scheme under the terms of the extant planning permission. The restoration of the quarry via the importation and deposit of inert waste is expected to take around 6 years on the basis of an importation rate of 150,000 tonnes per annum.

1.4.3 Previously stripped subsoil and topsoil stored in perimeter bunds will be used to assist with the final restoration of land.

1.4.4 Provision is made for groundwater and (landfill gas) monitoring at boreholes around the perimeter of the landfilled area including 2 in-waste landfill gas monitoring points.

2 Operational & Environmental Controls

2.1 Waste Acceptance

- 2.1.1 The operator has a strict set of procedures in place to ensure than only inert waste material is accepted at the site. This matter is controlled through the permit conditions.

2.2 Engineering

- 2.2.1 It is a requirement of the Environmental Permit that the site has a basal and side wall engineered artificial geological barrier. The barrier will have a minimum thickness of 1m and will be engineered to ensure that it has a maximum permeability to prevent pollution to groundwaters.

2.3 Landfill Gas and Groundwater Monitoring

- 2.3.1 The site contains a number of boreholes which are capable of being monitored for both landfill gas and groundwater. The boreholes are monitored regularly to ensure that the operations are not giving rise to adverse environmental impacts.

2.4 Local Amenity Control

- 2.4.1 The Company operates a number of control measures and monitoring methods to minimise the risk of windblown dust, noise impacts and preventing/minimising mud on the public highway.

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