

# Harlestone Inert Landfill

784-B043007

## Non-Technical Summary

## Environmental Permit Application

**Mick George Limited**

**May 2024**

**Document prepared on behalf of Tetra Tech Limited. Registered in England number:  
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## 1.0 INTRODUCTION

- 1.1.1 This Environmental Permit Application has been prepared by Tetra Tech on behalf of the Operator Mick George Limited (Mick George), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 In 2022, a planning application (reference WNC/23/00020/MINFUL) was submitted to Northamptonshire County Council (NCC) for the extraction of crushed rock with the deposition of suitable inert material for the use of beneficial restoration.
- 1.1.3 Mick George are seeking to gain a bespoke waste disposal permit for the permanent deposit of inert waste at the site. This activity would facilitate the infilling and restoration of the quarry void that will be created following mineral extraction activities at the site. The restoration comprise of will reinstating the agricultural land to its previous status and aim to increase the natural value of the local environment.

## 2.0 NON-TECHNICAL SUMMARY

### 2.1 PERMIT APPLICATION

- 2.1.1 This Environmental Permit Application is submitted to the Environment Agency (EA) by the operator, Mick George, under the requirements of the Environmental Permitting (England and Wales) Regulations as amended in 2016. It is a requirement of these Regulations that any application is accompanied by a Non-Technical Summary of the submitted documentation.
- 2.1.2 The site is located approximately 5.4km northeast from the city centre of Northampton and is centred at approximate National Grid Reference (NGR) SP 70652 63914. The site location and proposed application boundary is shown on Drawing Number H40 2 22 02 Existing Features and Permit Boundary.
- 2.1.3 Access to the site will be gained via an unnamed road off Harlestone Rd located to the south east of the site. The immediate surroundings of the site is predominantly agricultural with an area of deciduous woodland to the north and an inert landfill site to the south known as Harlestone Quarry which is currently regulated under an environmental permit (reference EPR/VP3592NN) that's registered to Barton Plant Limited.
- 2.1.4 In 2022, a planning application (reference WNC/23/00020/MINFUL) was submitted to Northamptonshire County Council (NCC) for the extraction of crushed rock with the deposition of suitable inert material for the use of beneficial restoration. This was approved on 20.12.2023.
- 2.1.5 Mick George are seeking to gain a bespoke waste disposal permit for the permanent deposit of inert waste at the site. This activity would facilitate the infilling and restoration of the quarry void that will be created following mineral extraction activities at the site. The restoration comprise of will reinstating the agricultural land to its previous status and aim to increase the natural value of the local environment.
- 2.1.6 This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the EA guidance documents. In summary, these documents comprise:-
- Application Forms A, B2, B4 and F1;
  - Operating Techniques;
  - Environmental Setting and Site Design;
  - Environmental Risk Assessment;
  - Stability Risk Assessment;
  - Hydrogeological Risk Assessment;
  - Landfill Gas Screening Report;
  - Environmental Management and Monitoring Plan;
  - Closure and Aftercare Plan;
  - Noise Assessment;
  - Dust Management Plan;
  - Noise Management Plan;
  - Financial Provision; and
  - Planning Decision Notice.

- 2.1.7 Specific details of the operations at the site are provided in the Operating Techniques (Appendix B), which describes both the operational techniques and management procedures to be carried out at the site. In summary, this document provides details of:-
- Waste types and waste acceptance criteria;
  - Site records;
  - Emissions control;
  - Incidents and non-conformance procedures;
  - Accident management; and
  - Emergency procedures.
- 2.1.8 The Environmental Setting and Site Design report (Appendix C) describes the site in relation to the environmental setting, identifying the source terms, pathways and receptors that have been used as the basis for the risk assessments, including the Hydrogeological Risk Assessment and the Environmental Risk Assessment.
- 2.1.9 The Environmental Risk Assessment (Appendix D) addresses the nature and extent of any linkages between the source of any environmental hazards, and the receptors, which may be susceptible to harm; such linkages being termed pathways. Where potential for harm is identified, the assessment identifies engineering or management techniques, which will mitigate such impacts.
- 2.1.10 A Stability Risk Assessment (Appendix E) documents the structural and physical ability of the landfill over the entire life cycle of the landfill.
- 2.1.11 A Hydrogeological Risk Assessment (Appendix F) provides the geological and hydrogeological setting of the site allowing the development of a conceptual model to determine the risk that the facility will pose to underlying groundwater.
- 2.1.12 The Landfill Gas Screening Report (Appendix G) determines the risks presented by the placement of materials on surrounding receptors.
- 2.1.13 The Environmental Management and Monitoring Plan (Appendix H) outlines the pre-operational, operational, and post-operational monitoring requirements associated with the permit application. This includes monitoring requirements with regards to groundwater, perimeter monitoring boreholes, in waste monitoring boreholes and the monitoring of the landfill body in accordance with relevant technical guidance.
- 2.1.14 The Closure and Aftercare Plan (Appendix I) demonstrates how the landfill will be maintained following cessation of filling activities to avoid any risk of pollution to the point of surrender of the Environmental Permit.
- 2.1.15 The Dust Management Plan (Appendix J) identifies the potential causes and effects of dust and describes the measures that will be in place to prevent occurrence of dust at the site.
- 2.1.16 Financial Provision (Appendix K) shows all associated costs of environmental monitoring, restoration, monitoring, reports, site reports and security.

In addition to the documents provided above, consideration has been given to the risk of noise. According to the EA's Position Statement titled 'EA position on NIA/NMP requirements for DfR/inert landfill without processing' (published December 2021), a Noise Impact Assessment (NIA) and a Noise Management Plan (NMP) is only required for landfills without processing if the site is less than 50m away from a noise sensitive receptor. Mick George does not propose any waste processing to facilitate the proposed landfill activity and the nearest sensitive receptor is located approximately 60m north west off Dave Brickwood Way. As such, in accordance with the EA's position statement, it is considered that

a NMP is not required to support the environmental permit application. However, we have attached the planning Noise assessment to this application for information.

