

# Dorket Head Inert Site Environmental Permit Application

## Non-Technical Summary

Mick George Limited

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Prepared on Behalf of Tetra Tech Environment Planning Transport Limited.

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# Document Control

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## 1.0 INTRODUCTION

### 1.1 APPLICATION REQUIREMENTS

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- 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 June 2018, planning permission (reference 7/2018/0159NCC) was granted by Nottinghamshire County Council (NCC) for a southerly extension of the clay workings and extraction of clay and associated minerals, with subsequent restoration at Dorket Head Quarry. A copy of the decision notice for the planning permission is provided as Appendix K of this application.
- 1.1.3 Following mineral extraction, the extension area will be restored in accordance with the approved restoration scheme (Drawing Number DHS 3/10). The site will be restored to a mix of woodland and grassland and the public rights of way footpath will be reinstated and will dissect the site diagonally from the southwest corner to the northeast corner of the site.
- 1.1.4 In order to facilitate the restoration works, Mick George seeks to gain a bespoke waste disposal permit for the permanent deposit of inert waste to land at the site.

## 2.0 NON-TECHNICAL SUMMARY

### 2.1 PERMIT APPLICATION

- 2.1.1 This Environmental Permit Application is submitted to the Environment Agency 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 lies immediately to the south of the quarry workings at Dorket Head Quarry. Dorket Head Quarry is located on the northern edge of Arnold and the B684 Woodborough Lane. Arnold forms the northern district of the Nottingham urban area, with the city centre lying some 7.5km to the south-west. The Ibstock Dorket Head Brickworks is situated to the west of the quarry site which utilises clays that are extracted from the quarry for the manufacture of bricks.
- 2.1.3 As part of the quarry workings, FCC Recycling (UK) Limited hold an environmental permit (reference EPR/BV4444IQ) to operate a non-hazardous landfill at Dorket Head Quarry to fill the void that has been created from mineral extraction activities.
- 2.1.4 For identification purposes, Dorket Head Quarry is centred on approximate National Grid Reference (NGR) SK 81389 49495 and the site is centred on NGR SK 59887 46752. The site location and boundary are shown on Drawing Number MGL/B027237/LOC/01.
- 2.1.5 Access to the site will be from the current access point that's used for the existing quarry site. Access is achieved from an unnamed access road off Woodborough Lane (B684) which runs along the north-eastern boundary of the wider quarry site. The surroundings of the site comprise agricultural land to the north, east and west. To the south of the site is Hobbucks Nature Reserve and a housing estate with the closest residential roads Surgeys Lane, Homefield Avenue, Strathmore Road and Shandwick Close. The Ibstock Dorket Head Brickworks is situated to the west of the site and utilises clays that are extracted from the quarry for the manufacture of bricks.
- 2.1.6 In June 2018, planning permission (reference 7/2018/0159NCC) was granted by NCC for a southerly extension of the clay workings and extraction of clay and associated minerals, with subsequent restoration by infilling with imported inert waste materials. The planning also included landscaping and diversion of a public rights of way. A copy of the decision notice for the planning permission is provided as Appendix K of this application.

2.1.7 Following mineral extraction, the site will be restored in accordance with the restoration scheme (Drawing Number DHS 3/10).

2.1.8 In order to facilitate the restoration works, Mick George seeks to gain a bespoke waste disposal permit for the permanent deposit of inert waste to land at the site.

2.1.9 This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Environment Agency 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;
- Site Condition Report;
- Noise Management Plan;
- Dust Management Plan; and
- Financial Provision

2.1.10 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:-

2.1.11 Waste types and waste acceptance criteria;

- Site records;
- Emissions control;
- Incidents and non-conformance procedures;
- Accident management; and
- Emergency procedures.

2.1.12 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.

2.1.13 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. This report is supported by a Nature and Heritage Conservation Screen that was requested from the Environment Agency (Reference EPR/KB3109GZ/A001). This screen determines the presence of any sites of nature and heritage conservation, or protected species or habitats that may be impacted by the proposal.

2.1.14 A Stability Risk Assessment (Appendix E) documents the structural and physical ability of the landfill over the entire life cycle of the landfill.

2.1.15 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.

2.1.16 The Landfill Gas Screening Report (Appendix G) determines the risks presented by the placement of materials on surrounding receptors.

2.1.17 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.

- 2.1.18 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.
- 2.1.19 As required under the Environment Agency's Regulatory Guidance Note RGN 9 – Surrender, a Site Condition Report (Appendix J) has been prepared regarding the areas of the site that will not be used for the permanent deposits of wastes.
- 2.1.20 The Noise Impact Assessment and Management Plan (Appendix L) provides an assessment of noise from the proposed activities and measures that will be in place to minimise the risk of noise to impact sensitive receptors.
- 2.1.21 The Dust Management Plan (Appendix M) 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.
- 2.1.22 Financial Provision (Appendix N) shows all associated costs of environmental monitoring, restoration, monitoring, reports, site reports and security.