

Great Billing Quarry

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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1.0 INTRODUCTION

1.1 APPLICATION REQUIREMENTS

- 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 July 2018, planning permission (reference 17/00053/MINFUL) was granted by Northamptonshire County Council (NCC) to allow the following:-
- “Extraction of sand and gravel, construction of concrete batching plant, processing plant, including ancillary weighbridge, office, workshop, recycling activities and access, plus the importation of inert material and restoration to agriculture and nature conservation at Land to the East of Great Billing WRC, Northampton, Northamptonshire, NN3 9BX”*
- 1.1.3 A copy of the decision notice for the planning permission is provided as Appendix N of this application.
- 1.1.4 Mick George seeks to gain a bespoke waste disposal permit and disposal permit for the permanent deposit of inert waste at the site. The purpose of the works is to infill the quarry void that will be created following mineral extraction activities as approved under the aforementioned planning permission.

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 application site is situated to the east of the Great Billing Water Recycling Centre (WRC) and is located approximately 3km east of Northampton on the south side of the dual carriageway A45. To the north west of the application site but separated from the site by the dual carriageway A45, is the settlement of Great Billing which is part of the larger Northampton urban area (nearest homes in Great Billing are approximately 400m). Also, to the north beyond the A45, is the village of Ecton (nearest homes at approximately 800m) and North east is the village of Earls Barton, over 1km from the site. The River Nene and ponds lie to the south, approximately 400m from site. Further south, beyond the River Nene, lies the village of Cogenhoe, whose closest properties are approximately 800m.
- 2.1.3 The northern boundary of the application site in the central parts reaches almost to the A45 just south of Ecton Lane where it crosses the A45. In other parts of the site the northern boundary is separated from the A45 by open land including an area of mature trees and agricultural land. The southern boundary adjoins a restored former mineral workings, comprising water bodies, beyond which is the River Nene. The western boundary of the extraction area is partly formed by an overland drain. Barton Brook forms the eastern boundary of the site and flows south to join the Nene.
- 2.1.4 The site is centred at approximate National Grid Reference (NGR) SP 83190 62010. The site location and the environmental permit boundary is shown on Drawing Number MGL/B029956/PER/01.
- 2.1.5 Access to the site will be through the neighbouring Anglian Water Recycling Centre site from Crow Lane, which is located to the west of the site.
- 2.1.6 In July 2018, planning permission (reference 17/00053/MINFUL) was granted by NCC to allow the extraction of sand and gravel at the site and import inert material to restore the site for agricultural use and nature conservation. A copy of the decision notice for the planning permission is provided as Appendix N of this application.

- 2.1.7 Planning permission 17/00053/MINFUL was granted to Anglian Water Services Ltd who went out to open tender for contractors to operate the site. Mick George were successful in the tender and they are in the process of dealing with outstanding planning conditions that are required to be discharged.
- 2.1.8 Following mineral extraction, the site will be restored in accordance with the restoration plan (Drawing Number G13/20/01, Revision B) that was formally discharged by NCC in connection to Conditions 23 and 24 of planning permission 17/00053/MINFUL. The restoration of the site will include a combination of natural habitats in the southern part of the site including reedbeds, wet and neutral grasslands, hedgerows and waterbodies. Areas of arable land with additional boundary features will be included in the northern part of the site.
- 2.1.9 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.
- 2.1.10 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
 - Dust Management Plan
 - Noise Management Plan

- Financial Provision

2.1.11 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.

2.1.12 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/KB3609CR/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 The Noise Impact Assessment and Management Plan (Appendix J) 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.
- 2.1.20 The Dust Management Plan (Appendix K) 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.
- 2.1.21 Financial Provision (Appendix L) shows all associated costs of environmental monitoring, restoration, monitoring, reports, site reports and security.
- 2.1.22 As required under the Environment Agency's Regulatory Guidance Note RGN 9 – Surrender, a Site Condition Report (Appendix M) has been prepared regarding the areas of the site that will not be used for the permanent deposits of wastes.