



Passenham Quarry

Environmental Permit Variation Application

Non-Technical Summary

October 2018

Prepared on behalf of GRS (Roadstone) Limited

GRS Group



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1.0 Introduction

1.1 Application Requirements

- 1.1.1 This Environmental Permit Application has been prepared by WYG on behalf of the operator, GRS (Roadstone) Limited (GRS), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 Passenham Quarry is currently regulated under a bespoke Environmental Permit (EPR/AB3503UZ) to allow the importation of inert waste to infill the quarry void to facilitate the restoration of the site following mineral extraction activities.
- 1.1.3 In May 2017, a planning application (reference 17/01267/MIN) was submitted to Milton Keynes Council (MKC) to extend mineral extraction activities in an area to the east of the existing quarry and restore the area back to agriculture. Planning Permission was subsequently granted by MKC on 20th March 2018.
- 1.1.4 In order to facilitate the restoration works within the proposed extension area, GRS seeks to vary the current Environmental Permit boundary as shown on Drawing Number GRS/A099801/LOC/01. There are no proposed changes to annual throughput as GRS intend to maintain the current provisions and import inert materials at a rate of up to 200,000 tonnes.



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, GRS 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 Passenham Quarry is located approximately 625m east from the village of Deanshanger and is centred as approximate National Grid Reference (NGR) SP 77500 39100. The location of the site is shown on Drawing Number GRS/A099801/LOC/01.
- 2.1.3 Access to the site is achieved from the access road off the A422 located to the west of the current site. The immediate surroundings of the site largely comprise agricultural land with the nearest residential area located approximately 290m north west on Straford Road.
- 2.1.4 Passenham Quarry is currently regulated under a bespoke Environmental Permit (EPR/AB3503UZ) to allow the importation of inert waste to infill the quarry void to facilitate the restoration of the site following mineral extraction activities. The importation rate is permitted at up to 200,000 tonnes per annum, via version V04 of the permit granted on 10 October 2017.
- 2.1.5 In May 2017, a planning application (reference 17/01267/MIN) was submitted to Milton Keynes Council (MKC) to extend mineral extraction activities in an area to the east of the existing quarry and restore the area back to agriculture. Planning Permission was subsequently granted by MKC in March 2018.
- 2.1.6 In order to facilitate the restoration works within the proposed extension area, GRS seeks to vary the current Environmental Permit boundary as shown on Drawing Number GRS/A099801/LOC/01. This is in addition that which is already permitted. There are no proposed changes to annual throughput as GRS intend to maintain the current provisions and import inert materials at a rate of up to 200,000 tonnes.
- 2.1.7 The application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Environment Agency's guidance documents. In summary, these documents comprise:-



- Application Forms A, C2, C4 and F1;
- OPRA Profile;
- Environmental Risk Assessment;
- Environmental Setting and Site Design;
- Site Condition Report;
- Stability Risk Assessment;
- Hydrogeological Risk Assessment;
- Landfill Gas Risk Assessment;
- Environmental Management and Monitoring Plan;
- Closure and Aftercare Plan; and
- Expenditure Plan

2.1.8 The Site Operating Plan document was submitted with the original Environmental Permit application. There are no proposed changes to the operational characteristics of the site as a result of this application. As such, an Operating Techniques document has not been produced in support of this application in accordance with the guidance notes of the Part C4 application form which states the following:-

"You do not need to resend any information from your original permit application if it is not affected by your proposed changes."

2.1.9 An Environmental Risk Assessment (ERA) (Appendix B) has been prepared to consider the potential impact of the proposed activity. The ERA is concerned with 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 the management techniques which will be utilised to mitigate such impacts.

2.1.10 The Environmental Setting and Site Design (Appendix C) describes the regulated facility in relation to the environmental setting, identifying the source terms, pathways and receptors that will be used as the basis for the risk assessments provided.

2.1.11 A Site Condition Report (SCR) has been prepared (Appendix D) with regards to the proposed extension area of the site. The SCR provides an assessment of the site's current condition



using the Environment Agency's H5 SCR template, including details of any past uses, historic pollution events and the environmental characteristics of the site.

- 2.1.12 The Stability Risk Assessment (Appendix E) documents the structural and physical ability of the proposed extension area over the entire life cycle of the landfill.
- 2.1.13 The Hydrogeological Risk Assessment (Appendix F) provides the geological and hydrogeological setting of the proposed extension area allowing the development of a conceptual model to determine the risk that the facility will pose to underlying groundwater.
- 2.1.14 The Gas Screening Report (Appendix G) determines the risks presented by the placement of materials within the proposed extension area on surrounding receptors.
- 2.1.15 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 within the proposed extension area in accordance with relevant technical guidance. The trigger levels for the permit are already set and the scheme presented at Appendix H doesn't seek to change any of these provisions.
- 2.1.16 Operations at the site are regulated under two principal planning consents one covering activities east of the Great River Ouse (regulated by Milton Keynes Council) and the other west of the river (regulated by Northamptonshire County Council).
- 2.1.17 To the east of the river the existing permitted area at Passenham Quarry currently benefits from an aftercare scheme that was submitted and approved by Milton Keynes Council as part of the original planning permission (reference 12/000786/MIN). The approved scheme extends over a period of five years following the completion of restoration in the given phase of extraction. Details of the aftercare scheme were incorporated in to the site's Closure and Aftercare Plan which was previously submitted and approved by the Environment Agency under the original Environmental Permit application.
- 2.1.18 To the west of the river there is an agricultural restoration scheme in place for phases 10-12 inclusive, with a Landscape Habitat Management Plan in place for the remainder of the permit area including the current plant site (phases 1-2 of the original permit).
- 2.1.19 With regards to the proposed extension area, GRS intend to extend the provisions of the approved aftercare scheme for the part of the site situated east of the river in to the extension



area. As such, it is considered that a revised Closure and Aftercare Plan is not required in support of this application with the guidance notes of the Part C4 application form which states the following:-

"You do not need to resend any information from your original permit application if it is not affected by your proposed changes."

2.1.20 The Expenditure Plan (Appendix I) document shows all associated costs of environmental monitoring, restoration, monitoring, reports, site reports and security.



Drawings

GRS/A099801/LOC/01 – Site Location