



Sandgate Quarry

Environmental Permit Application

Non-Technical Summary

June 2020

Prepared on behalf of Inert Recycling UK Ltd





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Prepared by: Isabelle Mills	Checked by: Alice Shaw	Approved By: Andrew Bowker



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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, Inert Recycling UK Limited (Inert Recycling), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 Sandgate Quarry is an existing mineral extraction site which has been partly worked for soft sand. Under the previous planning permission, a restoration scheme was approved by the planning authority (Drawing Number P3/182/8). However, it is now the view of the site operators that an improved landform could be delivered via an enhanced restoration scheme through the importation of inert waste material.
- 1.1.3 Prior to the commencement of restoration works, Inert Recycling submitted a planning application in 2018 for 'Continuation of working the mineral (sand extraction), but with an enhanced restoration scheme for nature conservation and informal recreation involving the importation of 1.8 million tonnes of inert material over a period of eleven years' to West Sussex County Council (WSCC) who granted planning permission in January 2020.
- 1.1.4 Inert Recycling seeks to gain a bespoke waste recovery permit for importation and permanent deposit of inert waste to infill the void created by the sand extraction. The proposed development seeks to utilise imported inert waste materials rather than using 'virgin' soils for the restoration. The proposed development would use the imported inert waste material to achieve a higher-level restoration (Drawing Number P4/182/10 Rev B) than the previously approved restoration scheme (Drawing Number P3/182/8).



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, Inert Recycling, 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 Sandgate Quarry is located on the northern side of Washington Road (A283) approximately 500 metres (m) north of Sullington, 1 kilometres (km) to the east of Storrington and 2km north east Washington. The A24 lies approximately 2km to the east. The site is approximately 7km to the north of Worthing. The site is situated outside the South Downs National Park with the border located on the southern side of Washington Road. The site is centred at National Grid Reference (NGR) TQ 10201 14110. The site lies in the District of Horsham and the County of West Sussex. The site location and boundary are detailed on Drawing Number INR/A113100/LOC/01.
- 2.1.3 The site is permitted to undertake mineral extraction activities, approximately 1.4 million tonnes of material is left to be extracted. Originally a restoration scheme (Drawing Number P3/182/8) was submitted to WSCC in October 2010 which would have involved restoring the site to a lower level and to form one large lake. The Operator alongside the site owner CEMEX Materials UK Limited (CEMEX) then submitted a planning application in 2018 for the 'Continuation of working the mineral (sand extraction), but with an enhanced restoration scheme for nature conservation and informal recreation involving the importation on 1.8 million tonnes of inert material over a period of eleven years'. Planning permission was granted in January 2020 (planning permission reference WSCC/044/18/SR).
- 2.1.4 Inert Recycling propose to use the imported inert material to raise the base of the lake and raise the slope contour levels around the sand void, to allow for a causeway and shallow water bodies to be delivered. This final restoration scheme would offer an improved landform with shallow ponds and wet heath on the western side of the site with a lake on the eastern side. A new lakeside footpath will be created running around the shallow ponds and lake. It is the intention of Inert Recycling and CEMEX to deliver a high-quality restoration with the long-term intention for the site to form part of Sandgate Country Park. Drawing Number P4/182/10 Rev B detailing the improved restoration scheme was submitted.
- 2.1.5 In order to restore the site to the intended benefit, Inert Recycling seeks to gain a bespoke



waste recovery permit for the permanent deposit of inert waste at Sandgate Quarry to facilitate the enhanced restoration scheme.

- 2.1.6 In addition to the above, Inert Recycling intend to treat some of the waste that's accepted to the site via crushing and screening. The purpose of this activity is to create additional soils for onsite restoration as there is a shortage of suitable restoration soils and therefore will only be undertaken on a campaign basis. For this particular process, Inert Recycling will only process soil (excluding topsoil) that's of decent quality which will then be mixed with site derived topsoil in order to create the required volume.
- 2.1.7 The waste treatment process will be undertaken with mobile plant and will take place within the relevant working area when additional restoration soils are required to facilitate the restoration of the site.
- 2.1.8 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;
 - Gas Screening Report;
 - Dust Management Plan;
 - Site Condition Report;
 - Waste Recovery Plan;
 - Environment Agency Pre-application Advice Letter; and
 - Climate Change Assessment
- 2.1.9 Prior to this application, a Waste Recovery Plan (Appendix J) was submitted to the Environment Agency for assessment as part of their pre-application service (reference EPR/JB3102MM/A001). On 3rd March 2020, the Environment Agency issued a pre-application advice letter to confirm that that they agree that the proposed activity is a recovery activity.



A copy of this advice letter is provided as Appendix K.

- 2.1.10 Specific details on the operations of the site are provided in the Operating Techniques (Appendix B), which describes both the operational techniques and management procedures 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.
- 2.1.11 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.
- 2.1.1 The Environmental Risk Assessment (Appendix D) 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 engineering or management technique, which will mitigate such impacts. A Nature and Heritage Screening report was produced by the Environment Agency detailing important sites for Nature and Heritage Conservation within the vicinity of the application site. The Nature and Heritage Screening Report can be found in Appendix B of the Environmental Risk Assessment.
- 2.1.2 The Stability Risk Assessment (Appendix E) documents the structural and physical ability of the landfill over the entire life cycle of the landfill.
- 2.1.3 The 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.
- 2.1.4 The Gas Screening Report (Appendix G) determines the risks presented by the placement of materials on surrounding receptors.
- 2.1.5 The Dust Management Plan (Appendix H) implements the source, receptor and pathway model to determine the impact of dust arising from the proposed activities and provides a



management plan to minimise/prevent the likelihood of the potential effects becoming significant.

- 2.1.6 As required under the Environment Agency's Regulatory Guidance Note RGN 9 – Surrender, a Site Condition Report (Appendix I) has been prepared regarding the areas of the site that will not be used for the permanent deposits of wastes.
- 2.1.7 In accordance with the Environment Agency's 'Adapting to climate change: risk assessment for your environmental permit' a climate change assessment must be completed to support any application for a new bespoke waste activity where the operator expects the activity to takes places for more than five years. As noted in the planning permission, it is envisaged that the proposed works will be undertaken over a period of eleven years. As such, a climate change assessment has been completed to support this application and is provided as Appendix L.