Appleford Recycling Facility

784- B066441

Non-Technical Summary

Environmental Permit Variation Application

Hanson Quarry Products Europe Ltd

January 2025

Document prepared on behalf of Tetra Tech Environment Planning Transport Limited. Registered in England number: 03050297

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1.0 Non-Technical Summary

1.1 Environmental Permit Variation Application

1.1.1 This Environmental Permit Application has been prepared by Tetra Tech on behalf of the Operator, Hanson Quarry Products Europe Ltd (Hanson), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.

1.1.2 This application relates to Hanson's site Appleford Recycling Facility located at Site 1, Sutton Courtenay Quarry, Appleford, Abingdon, Oxfordshire, OX14 4PP and is centred at approximate National Grid Reference (NGR) SU 51673 93244. As Hanson are seeking an extension, the NGR including the proposed extension area is SU 51556 93431. The application site is detailed on Drawing Number APP/B066441/PER/01.

1.1.3 Hanson currently hold a Bespoke Environmental Permit (EPR/GB3934AC) for the site which was issued in September 2012. The permitted activities comprise of the treatment of wastes consisting of sorting, separation, screening, crushing, and blending of waste for recovery as soil, soil substitute or aggregate. The site accepts less than 200,000 tonnes of non-hazardous waste per annum.

1.1.4 Hanson are seeking to vary the existing Environmental Permit to add a soil washing facility that will process a maximum of 400,000 tonnes per annum of non-hazardous soils. As such, it is proposed that the total maximum quantity of wastes accepted at the site, across the two activities will be <600,000 tonnes per annum.

1.1.5 Further, the total quantity of untreated material stored on-site will be 300kt and the total quantity of treated material to be stored on-site at any one time will be 350kt.

1.1.6 Hanson also seek to extend the permit boundary to include the area to the northwest as shown on Drawing Number APP/B066441/PER/01. The extension area will comprise of approximately 7.5 hectares and is bound to the north by Loverose Way, and to the east, south and west by industry.

1.1.7 This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Environment Agency (EA) guidance documents. Details of the supporting documents are provided in the following section.

1.2 Overview of Site Activities

1.2.1 All site activities will be undertaken in accordance with EA Guidance 'Non-hazardous and inert waste: appropriate measures for permitted facilities' (Appropriate Measures).

1.2.2 The soil washing and physical treatment activities will occur both in the original permit boundary and within the proposed extension area.

Operating Hours

1.2.3 The proposed operating hours of the Facility are as follows:

- 24 hours Monday – Sunday.

Physical Treatment Facility

1.2.4 Hanson are currently operating a Physical Treatment Facility under a Bespoke Environmental Permit which allows for the treatment of waste consisting only of sorting, separation, screening, crushing, and blending of waste for disposal or for recovery as a soil, soil substitute or aggregate. This activity accepts less than 200,000 tonnes per annum to site.

1.2.5 It is proposed that this activity is retained as part of the variation to the environmental permit.

1.2.6 The operation of the waste transfer station will fall under the following Recovery and Disposal codes (R and D codes) shown in Table 1, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

Table 1: Permitted R&D Codes for Physical Treatment

R/D Code	Activity Description
R3	Recycling/reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic materials
R13	Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)

Soil Washing Facility

1.2.7 It is now the intention of Hanson to vary the Environmental Permit to add a Soil Washing Facility to the permitted activities on site.

1.2.8 The soil washing facility will be to create recycled aggregates, soils and clays which are suitable for use in construction projects.

1.2.9 The proposal entails the operation of a soil washing facility that will process a maximum of 400,000 tonnes per annum of non-hazardous soils.

1.2.10 It is considered that the proposed soil washing activity will fall under the following Recovery and Disposal codes (R and D codes) shown in Table 2, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

Table 2: Proposed Soil Washing Facility R&D Codes

R/D Code	Description of Activity
R3	Recycling/ reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic compounds
R13	Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

1.2.11 Further information regarding the activities at the site, including the waste acceptance procedures and process descriptions, are provided in the Operating Techniques, Appendix C of the Environmental Permit Variation Application.

2.0 Supporting Information

2.1 Application Forms

2.1.1 Forms A, C2, C4 and F1 have been included as part of this application. These forms are provided as Appendix A.

2.2 Pre-Application Discussions

Part C2, Question 1a

2.2.1 Pre-application discussions have been undertaken. A copy of the relevant correspondence is provided as Appendix B.

2.3 Type of Variation

Part C2, Question 2a

2.3.1 The application comprises of a substantial variation due to the level of assessment and consultation requirements for the addition of a soil washing facility and extending the permit boundary to the northwest

2.4 Ability as an Operator

Part C2, Question 3b

2.4.1 The site will be managed by an individual who possesses the required level of technical competence (TSM/TSH).

2.4.2 Evidence of technical competence for the site has been provided as part of the Operating Techniques document (Appendix C of the Environmental Permit Application).

2.5 Management System

Part C2, Question 3d

2.5.1 Hanson has an accredited environmental management system in place which is compliant with the requirements of ISO 14001.

2.5.2 According to the guidance notes that accompany the Part C2 application form, an indicative summary and relevant certificates are to be provided if the proposal involves a waste installation or waste operations. As such, an indicative summary of the site's environmental management system and a copy of Hanson's ISO 14001 Certificate is provided as part of the Operating Techniques document (Appendix C of the Environmental Permit Application).

2.6 Site Plan

Part C2, Question 5a

2.6.1 A site layout plan (Drawing Number APP/B066441/LAY/01) has been prepared to show the indicative layout of plant and storage areas on-site.

2.7 Site Condition Report

Part C2, Question 5f

2.7.1 A Site Condition Report has been provided as Appendix G of the Environmental Permit Application to detail the proposed activity.

2.8 Environmental Risk Assessment

Part C2, Question 6

2.8.1 An Environmental Risk Assessment (Appendix D) has been prepared to consider the potential impact of the proposed activity. The Environmental Risk Assessment (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.

2.9 Operating Techniques

Part C4, Question 3a

2.9.1 An Operating Techniques document has been prepared that describes how the operating techniques will be implemented at the site. This document includes the list of waste codes to be accepted at the site.

2.9.2 A copy of the Operating Techniques is provided as Appendix C of the Environmental Permit Application.

2.10 General Requirements

Part C4, Table 2

2.10.1 According to the EA's 'Control and monitor emissions for your environmental permit' guidance indicates that a dust management plan is required if a site is *"keeping or treating (or both) aggregates, soils, ashes or similar materials"*. As such, a Dust Management Plan (Appendix E of

the Environmental Permit Application) has been prepared to describe the measures that will be in place to prevent occurrence of dust from the proposed activities.

2.10.2 As noted in Section 1.1.4, Hanson are seeking an environmental permit variation to add the operation of a soil washing plant to the existing permit and to extend the permitted area. As such there is no intention to accept any waste streams that are putrescible in nature and therefore the risk of odour is expected to be low. In addition, the aforementioned guidance does not indicate that an Odour Management Plan (OMP) is required for the activities that are proposed under this application. As such, an OMP has not been provided to support this application.

2.10.3 Nevertheless, the Environmental Risk Assessment (Appendix D of the Environmental Permit Application) and the Operating Techniques Document (Appendix C of the Environmental Permit Application) has been prepared to address how the risk of odour from the proposed changes will be minimised.

2.10.4 In addition, a Noise Management Plan (NMP) has been prepared to describe the measures that will be in place to minimise the risk of noise from the proposed activities. A copy of the NMP is provided as Appendix F of the Environmental Permit application.

2.11 Application Fees

Part F1, Question 1

2.11.1 It is considered that the application fee will comprise the following: -

Table 3: Application Fees

Activity Reference	Description	Application Type	Fee
1.16.14	Physical and chemical treatment of waste	Substantial Variation	£7,930
1.19.5	Emissions Management Plan	-	£1,241
1.19.7	Noise and Vibration Management Plan	-	£1,246
		Total	**£10,417**

Drawings

APP/B066441/PER/01 – Permit Boundary Plan

APP/B066441/REC/01 – Environmental Receptors Plan

APP/B066441/LAY/01 – Site Layout Plan

Appendix A - Application Forms

Appendix B – Pre-application Discussions

Appendix C – Operating Techniques

Appendix D – Environmental Risk Assessment

Appendix E – Dust Management Plan

Appendix F – Noise Management Plan

Appendix G – Site Condition Report