

Dagenham Dock Aggregate Recycling Facility

784- B066441

Non-Technical Summary

Environmental Permit Variation Application

Hanson Quarry Products Europe Ltd

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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 Dagenham Dock Aggregate Recycling Facility located at Land on Breach Lane, Dagenham Dock, Dagenham, London, RM9 6QD and is centred at approximate National Grid Reference (NGR) TQ 49239 82187. The application site is detailed on Drawing Number DAG/B066441/PER/01.
- 1.1.3 Hanson currently hold a Bespoke Environmental Permit (EPR/BB3005TG) for the site which was issued in March 2015. 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 250,000 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. Hanson also seek to extend the permit boundary to include the area to the northeast as shown on Drawing Number DAG/B066441/PER/01. The extension area will comprise of approximately 6.2 hectares.
- 1.1.5 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.

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 not been undertaken as part of this application.

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.

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.
- 2.4.2 Evidence of technical competence for the site has been provided as part of the Appendix A 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, a copy of Hanson's ISO 14001 Certificate is provided as part of the Operating Techniques document (Appendix B of the Environmental Permit Application).

2.6 Site Plan

Part C2, Question 5a

- 2.6.1 A site layout plan (Drawing Number DAG/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 F 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 C) 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.
- 2.9.2 A copy of the Operating Techniques is provided as Appendix B 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 D 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 1.1.3, 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 C of the Environmental Permit Application) and the Operating Techniques Document (Appendix B 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 E of the Environmental Permit application.
- 2.10.5 In line with the feedback received from the EA regarding Hanson's other soil washing facilities at Erith (EPR/AP3721SW/A001) and Appleford (EPR/GB3934AC/V003), a Wash Water Management Plan has been provided. This plan provides details regarding the soil washing plant to ensure sustainable water use, efficient waste disposal, and minimal environmental impact. This plan outlines the procedures for sourcing, using, recycling, and treating water throughout the plant's operations and is provided as Appendix G of the Application.

2.11 Application Fees

Part F1, Question 1

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

Activity Reference	Description	Application Type	Fee
1.16.14	Physical and chemical treatment of waste	Substantial Variation	£7,137
1.19.5	Emissions Management Plan	-	£1,241
1.19.7	Noise and Vibration Management Plan	-	£1,246
Total			£9,624

Drawings

DAG/B066441/PER/01 – Permit Boundary Plan

DAG/B066441/REC/01 – Environmental Receptors Plan

DAG/B066441/LAY/01 – Site Layout Plan

Appendix A - Application Forms

Appendix B – Operating Techniques

Appendix C – Environmental Risk Assessment

Appendix D – Dust Management Plan

Appendix E – Noise Management Plan

Appendix F – Site Condition Report

Appendix G – Wash Water Management Plan