

# Vantage Business Park

784-B042236

## Non-Technical Summary

## Environmental Permit Variation Application

**Airbag Disposal (UK) Limited**

**February 2023**

**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 REPORT CONTEXT

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- 1.1.1 This Environmental Permit Application has been prepared by Tetra Tech on behalf of the Operator, Airbag Disposal (UK) Limited (ABD), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 This application relates to ABD's permitted facility at Unit 9 Vantage Business Park (the site), Sheffield Road, Tinsley, Sheffield, S9 1BG, at approximate Nation Grid Reference (NGR) SK 40228 91537.
- 1.1.3 ABD currently hold a bespoke environmental permit (EPR/FB3702UD and EAWML 404425) that allows the storage and recovery of waste airbags that have either been received from third parties already deployed or that are deployed on site. The treatment activities regulated in the permit include manual and mechanical sorting and separation of the deployed airbags for recovery.
- 1.1.4 ABD are now seeking to expand their waste operations at the site to allow the allow the acceptance and/or treatment of hazardous and non-hazardous wastes that will predominantly comprise of metals, WEEE (including fridges), car exhausts, batteries, plastics, cardboard and Time Expired Pyrotechnics (TEPs). Treatment will comprise variety of methods which include manual and mechanical sorting, separation shredding, granulating and baling. To facilitate this expansion, ABD are also seeking to increase the annual throughput of the site from 5,000 tonnes to 70,000 tonnes per annum.
- 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, C3 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 (EPR/FB3702UD/V003) have taken place with the Environment Agency to confirm the scope of the application. A copy of the advice letter is provided as Appendix B of the Environmental Permit Application.

### 2.3 TYPE OF VARIATION

*Part C2, Question 2a and Part F1, Table 1*

- 2.3.1 According to the pre-application advice letter, the EA have advised that the variation would comprise a normal variation.

### 2.4 TECHNICAL ABILITY

*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 Best Available Techniques and Operating Techniques (BATOT) document (Appendix C of the Environmental Permit Application).

### 2.5 MANAGEMENT SYSTEM

*Part C2, Question 3d*

- 2.5.1 ABD have an accredited environmental management system in place which is compliant with the requirements of ISO 14001. A copy of the ISO 14001 certificate is provided as part of the BATOT document (Appendix C of the Environmental Permit Application).

### 2.6 SITE PLAN

*Part C2, Question 5a*

- 2.6.1 ABD does not propose any changes to the permit boundary as a result of the proposed changes. Despite this a site plan (Drawing Reference ABD/B042236/PER/01) has been prepared for ease of reference.

- 2.6.2 In addition, a site layout plan (Drawing Number ABD/B0242236/PER/02) has been prepared to show where the proposed changes will take place on site.

## 2.7 FIRE PREVENTION PLAN

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*Part C2, Questions 5d and 5e and Part C3, Question 3a1*

- 2.7.1 According to Table S1.2 of the environmental permit, the site benefits from an approved Fire Prevention Plan (FPP). However, due to the nature of the proposed changes it's considered that the risk of a fire will increase.
- 2.7.2 As such, a revised FPP (Appendix F of the Environmental Permit Application) has been prepared in accordance with EA's guidance 'Fire Prevention Plans: Environmental Permits' updated in February 2021. The report identifies the potential causes and effects of a fire, and describes the measures that will be in place to prevent occurrence of a fire at the site. This document will supersede the Fire Prevention Plan that's currently approved for the site.

## 2.8 ENVIRONMENTAL RISK ASSESSMENT

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*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 TYPES OF WASTE

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*Part C3, Question 1*

- 2.9.1 As part of the proposal, ABD are seeking to add more waste codes to the environmental permit to facilitate the proposed waste activities. A full list of the proposed waste codes is provided in the BATOT document (Appendix C of the Environmental Permit Application).

## 2.10 OPERATING TECHNIQUES

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*Part C3, Question 3a*

- 2.10.1 A BATOT document has been prepared that describes both the operating techniques that will be implemented at the site and also demonstrate how BAT will be employed in accordance with the following:-
- Environment Agency - Treating metal waste in shredders: appropriate measures for permitted facilities (October 2021);
  - Environment Agency - Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities (July 2022);

- Environment Agency - Non-hazardous and inert waste: appropriate measures for permitted facilities (July 2021);
- European Commission’s BAT Reference (BREF) Document for Waste Treatment (August 2018); and
- European Commission’s BAT Conclusion for Waste Treatment (August 2018).

2.10.2 A copy of the BATOT is provided as Appendix C of the Environmental Permit Application.

## 2.11 GENERAL REQUIREMENTS

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### *Part C3, Table 4*

- 2.11.1 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 treatment (or both) of household, commercial or industrial waste in a materials waste transfer station/ material recycling facility*” as well as the “*keeping or treating (or both) scrap metal*”. 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.
- 2.11.2 As noted in Section 1.1.4, ABD are seeking to vary the environmental permit to allow the acceptance of WEEE and waste streams that derive from the automotive sector. 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.
- 2.11.3 Nevertheless, the Environmental Risk Assessment (Appendix D of the Environmental Permit Application) and the BATOT 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.
- 2.11.4 A Noise Impact Assessment (NIA) has been prepared which provides an assessment of noise from the proposed activities in accordance with the EA’s ‘Noise and Vibration Management: Environmental Permits guidance (Updated 31<sup>st</sup> February 2022) and the BS 4141:2014 standard. 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. Copies of the NIA and NMP are provided as Appendix G of the Environmental Permit application.