

# HARTCLIFFE HOUSEHOLD REUSE AND RECYCLING CENTRE

**Environmental Permit Application**

**Non-Technical Summary**

Prepared for: Bristol Waste Company Limited

Ref: EPR/JB3706HR/A001

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## CONTENTS

<b>1.0 INTRODUCTION .....</b>	<b>1</b>
1.1 Pre-Application Discussions .....	1
1.2 Existing EP – Hartcliffe Way Depot (EPR/DB3209UJ) .....	1
1.3 The Site .....	1
<b>2.0 PROPOSED ACTIVITIES .....</b>	<b>3</b>
2.1 Specified Waste Management Activities.....	3
2.2 Waste Types and Storage.....	3
<b>3.0 APPLICATION CONTENTS .....</b>	<b>4</b>
3.1 Application Forms .....	4
3.1.1 Application Fee .....	4
3.2 Environmental Risk Assessment.....	4
3.2.1 Odour Management.....	4
3.3 Site Condition Report.....	4
3.4 Fire Prevention Plan.....	5
3.5 Working Plan.....	5
3.6 Noise Impact Assessment .....	5
3.7 Drawings .....	6
<b>4.0 TECHNICAL STANDARD AND CONTROL MEASURES .....</b>	<b>7</b>

## DOCUMENT REFERENCES

### APPENDICES

Appendix 001 Pre-Application Advice

### DRAWINGS

Drawing 001 Environmental Permit Boundary

Drawing 002 Site Layout, Fire Management and Prevention

Drawing 003 Environmental Site Setting

Drawing 017 Proposed Drainage Layout

## 1.0 Introduction

Bristol Waste Company Limited (Bristol Waste) has instructed SLR Consulting Limited (SLR) to prepare an Environmental Permit (EP) application for the proposed Hartcliffe Household Reuse and Recycling Centre (HRRC) at 83 Hartcliffe Way, Bristol, BS3 5RN, under the Environmental Permitting (England and Wales) Regulations 2016 (as amended). Herein the facility will be referred to as 'the Site'.

This document provides a Non-Technical Summary (NTS) of application including:

- An explanation of what is being applied for;
- A summary of the regulated facilities; and
- A summary of the key technical standards and control measures relating to the proposed changes.

To support this application for an EP, the following documentation is submitted in addition to this NTS:

- Application Forms (Parts A, B2, B4 and F1) and associated appendices, including a summary of the Environmental Management System (EMS), List of Directors and WAMITAB/Certificates of Continuing Competence;
- An Environmental Risk Assessment;
- A Site Condition Report;
- A Fire Prevention Plan;
- Working Plan;
- A Noise Impact Assessment; and
- Associated Drawings;

### 1.1 Pre-Application Discussions

Basic pre-application advice was provided by the Environment Agency (EA) on 11<sup>th</sup> November 2020. This advice is included as Appendix 01 to this NTS.

### 1.2 Existing EP – Hartcliffe Way Depot (EPR/DB3209UJ)

The site was previously operated under a separate EP originally issued in September 1996 to S.I.T.A Contract Services Ltd under reference number L/BL/P/333. A variation was issued in August 2006 to add an additional waste type and the permit was transferred to May Gurney Limited in December 2011. The environmental permit was transferred to Bristol Waste in September 2015.

It was decided during this project that this EP is no longer fit for purpose, therefore Bristol Waste have submitted an application to fully surrender the land and EP related to the Hartcliffe Way Depot in July 2021. The EP boundary of the Depot is incorporated by the new boundary for the HRRC.

### 1.3 The Site

The Site is situated in Bedminster Down approximately 3km south of Bristol City Centre. The National Grid Reference (NGR) for the site is ST 58141 69727.

The area to the north of the site is predominantly commercial/industrial premises with open ground immediately to the east. The closest residential area of Headley Park is located approximately 70m to the west. Hartcliffe Way (A4174) runs in a north-south direction parallel to the western site boundary. The Site location and permit boundary are illustrated on Drawing 001.

The surrounding land uses, local receptors within 500m and cultural and natural heritage receptors within 1km are identified on Drawing 003.

## 2.0 Proposed Activities

### Overview and development of the new HRRC

The proposed waste operations at the facility will comprise the operation of a split level HRRC, a site office and welfare facilities; vehicle parking and manoeuvring operational area; drainage and water management system, perimeter fencing, lighting, retaining walls, tree planting, 2 new vehicle bridges, separate pedestrian access, temporary construction haul road with ancillary off-site highway improvement works to facilitate new access and egress points along Hartcliffe Way.

### Treatment and Storage Activities

Treatment on site will only consist of manual sorting, separation, shredding or compaction of waste into different components for disposal or recovery.

## 2.1 Specified Waste Management Activities

The activities that will be carried out at the Site as defined under Annex II of the Waste Framework Directive can be summarised as follows:

- **D9:** Physical treatment of waste;
- **D14:** Repackaging of waste;
- **R3:** Recycling or reclamation of organic substances which are not used as solvents;
- **R4:** Recycling or reclamation of metals and metal compounds;
- **R5:** Recycling or reclamation of other inorganic materials;
- **R13 & D15:** Storage pending recovery or disposal.

## 2.2 Waste Types and Storage

The Site will accept up to 35,000 tonnes per annum (tpa) of household waste brought to the Site.

No more than 10 tonnes of hazardous waste will be stored on site at any one time.

With the public's continual high demand for disposal capacity, wastes will be stored on site for minimal periods only. In particular, wastes comprising of or containing putrescible materials will be removed from the site within 48 hours of receipt throughout the normal working week but may need to be stored for up to 72 hours over weekend periods. A maximum of 1,000 tonnes of waste will be stored on site at any one time.

The proposed waste list can be found as Appendix 01 of the Working Plan which is included in Section 6 of this EP application.

## 3.0 Application Contents

### 3.1 Application Forms

Parts A, B2, B4 and F1 of the EA's EP application forms have been completed in support of this application and are enclosed as Section 2 of this EP application. The application forms also require the following additional information, which has been included:

- Appendix A-1\_List of Directors
- Appendix A-2\_Directors Date of Birth
- Appendix B2-1\_WAMITAB Permits
- Original WAMITAB and Certificate of Continuing Technical Competence

#### 3.1.1 Application Fee

Under the EA's Environmental Permitting (England) Charging Scheme 2019, the fee for a bespoke EP application for a HRRC is as follows;

- 1.16.9 Household waste amenity site taking hazardous waste; includes assessment of fire prevention plan and odour management plan.

Therefore, the total application fee will be; £7,930.

### 3.2 Environmental Risk Assessment

The Environmental Risk Assessment (ERA) has been produced to assess the environmental risk posed by the proposed activities on Site.

Strict operational procedures will be implemented at the site to monitor and manage amenity risks from the activities and include provision for the monitoring of scavenging birds, vermin, insects and litter, mud on road, odour and noise. The impact of the proposed activities is assessed in the ERA. Potential receptors are illustrated on Drawing 003.

Subject to the implementation of the stated management measures, the conclusion has been reached that the proposed activities are unlikely to result in a significant accident risk or risk to the amenity of the local environment.

The ERA (reference 402.08721.00003\_ERA) is enclosed as Section 3 of this EP application.

#### 3.2.1 Odour Management

Drawing 002 illustrates the detailed layout and storage locations of the typical wastes that will be accepted at the HRRC on a daily basis. This is a typical layout for Bristol Waste's HRRC's across the city. These waste types are not odorous in nature, and due to the quick turnaround times on site, will not create fugitive emissions. However, the odour management section of the ERA includes details of how waste will be managed on site, and if odorous waste is accepted how any potential emissions will be mitigated.

### 3.3 Site Condition Report

A Site Condition Report (SCR) has been prepared as part of this application to establish the baseline environmental conditions within the proposed permit boundary. The SCR has been prepared in accordance with EA guidance H5 (version 3), April 2013.

The facility will operate with due regard to the conditions of the EP and all relevant environmental legislation to ensure that the Site does not pose a significant risk to the surrounding human and natural environment.

The SCR (reference 402.08721.00003\_SCR) is enclosed as Section 4 of this EP Application.

### 3.4 Fire Prevention Plan

The Fire Prevention Plan (FPP) follows EA guidance for FPPs<sup>1</sup> and details the required mitigation and management methods to prevent a fire of combustible materials stored on Site.

The FPP identifies measures to be employed to reduce the likelihood of fires at the Site. In addition, the plan identifies measures to be employed in the event of a fire to limit the damage caused to the environment or human health.

The FPP (reference 402.08721.00003\_FPP) is enclosed as Section 5 of this EP application.

### 3.5 Working Plan

The facility will be managed in accordance with an Environmental Management System (EMS) accredited to ISO14001.

In addition to this EMS, the Working Plan document details the management measures that will be implemented on site to minimise the risk of accidents or emissions that could impact workers and local receptors.

The document includes the detailed process description and relevant roles and responsibilities to ensure the safe and effective management of the Site to keep it in compliance with the EP.

The document includes the following information;

- Management;
- Site operations;
- Process Controls;
- Emissions; and
- Information.

Operational management procedures will ensure that:

- The risks that the activities pose to the environment are identified;
- The measures that are required to minimise the risks are identified;
- The activities are managed in accordance with the ISO14001 EMS and the Working Plan;
- Performance against the management system is audited at regular intervals; and
- The EP is complied with.

The Working Plan (reference 402.08721.00003\_WorkingPlan) is enclosed as Section 6 of this EP application.

### 3.6 Noise Impact Assessment

A Noise Impact Assessment was prepared in support of the associated planning application, which has since been issued.

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<sup>1</sup> Fire Prevention Plans, 9<sup>th</sup> January 2020 – <https://www.gov.uk/government/publications/fire-prevention-plans-environmental-permits>



The purpose of this report was to assess the risk of adverse impact from noise 'pollution' generated by the HRRC on any residents in the surrounding area. As part of the assessments, SLR attended the existing Site to conduct a Baseline Sound Survey, using this to determine threshold noise levels to assess against.

The assessment of the impact on residential properties was conducted in accordance with BS4142:2014+A1:2019, whilst the IEMA '*Guidelines for Environmental Noise Impact Assessment*' have been used to assess the impact of off-site traffic movements.

The results of both assessments have concluded that there is a 'negligible' risk of adverse impact from noise generated by the HRRC. In light of this conclusion a standalone Noise Management Plan has not been prepared, however the noise management section of the ERA includes all mitigation and management methods proposed from this Noise Impact Assessment.

The Noise Impact Assessment has been included as Section 7 of this EP application.

### 3.7 Drawings

A suite of drawings has been produced to detail all characteristics of the site relevant to the application and are enclosed as Section 8 of this EP application. The full list of drawings produced is as follows:

- Drawing 001 Environmental Permit Boundary
- Drawing 002 Site Layout, Fire Management and Prevention
- Drawing 003 Environmental Site Setting
- Drawing 017 Proposed Drainage Layout

## 4.0 TECHNICAL STANDARD AND CONTROL MEASURES

The key technical standards laid out in the following documents govern the design and operation of the Site:

- The Environmental Permitting (England and Wales) Regulations 2016 (as amended);
- Developing a management system: environmental permits;
- Controlling and monitor your emissions for an environmental permit;
- Non-hazardous and inert waste: appropriate measures for permitted facilities; and
- Relevant EA Guidance e.g. Environmental Risk Assessment's, Site Condition Reports, FPPs.

The control measures relevant to the proposed activities are described in the Working Plan submitted with this application.

The proposals have been assessed against these standards and are all considered to meet the relevant technical standards.

The overall conclusion is that there is unlikely to be a significant environmental impact as a result of the proposed activities on Site.

Bristol Waste is fully committed to ensuring the highest standards are met and will undertake its activities in a manner consistent with best industrial practices and in accordance with the Company's accredited EMS.

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