BARDON WASTE TRANSFER STATION

NON-TECHNICAL SUMMARY

LEICESTERSHIRE COUNTY COUNCIL

NOVEMBER 2020

IVY HOUSE environmental

SUMMARY TABLE		
SITE:	Bardon Waste Transfer Station – Non-Technical Summary	
CLIENT:	Leicestershire County Council	
DATE:	November 2020	
REFERENCE	IV.343.19	
DOCUMENT PROPOSAL:	Operation of a Waste Transfer Station.	
COMMENTS:		

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Date:	November 2020	
Version:	2.0	

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1.0 INTRODUCTION

1.1 PREAMBLE

This Environmental Permit Application has been prepared by Ivy House Environmental (Ivy) on behalf of Leicestershire County Council (LCC), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.

LCC seeks a Bespoke Permit to operate a Waste Transfer Station to undertake the following:

- Storage and Transfer of Clinical Wastes, which will include cytotoxic chemicals and animals;
- Storage and Transfer of Waste Electric and Electronic Equipment (WEEE);
- Storage and Transfer of Cement Bonded Asbestos Wastes;
- Storage and Transfer of Food Wastes;
- Storage and Transfer of 'other' Household Wastes; and
- Storage and Transfer of Commercial and Industrial Wastes (C&I).

The waste codes which refer to the above are set out in the Operating Techniques. Note that no more than 50 tonnes of hazardous wastes will be stored on site at any one time.

It is proposed that there will be a total annual throughput of 100,000 tonnes per annum for the facility which is split between 8,000 tonnes of hazardous waste and 92,000 tonnes of non-hazardous waste. The site will have a total storage capacity of 3,500 tonnes, split between 50 tonnes of hazardous waste and 3,450 tonnes of non-hazardous waste and a daily throughput of 750 tonnes, split between 50 tonnes of hazardous waste and 700 tonnes of non-hazardous waste.

The application seeks to allow LCC to undertake the following Disposal and Recovery activities:

- D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced;
- R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced);
- D14: Repackaging prior to submission to any of the operations numbered D1 to D13;

- D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12;
- R3: Recycling/reclamation of organic substances which are not used as solvents;
- R4: Recycling/reclamation of metals and metal compounds; and
- R5: Recycling/reclamation of other inorganic materials.

Note that D9, R3, R4 and R5 activities will not occur for clinical and Healthcare wastes.

1.2 LIMITATIONS

This report has been produced in accordance with industry best practice at the time of writing.

Ivy House Environmental Ltd have, in the production of this report, relied upon information provided by third parties. Ivy House Environmental Ltd do not warrant the accuracy of this information and will not be responsible for any opinions which Ivy House Environmental has expressed, or conclusions which it has drawn, in reliance upon information which is subsequently proven to be inaccurate.

All statements and opinions provided in this report have been reported in good faith and are based on the information gained during, and restrictions imposed by, site investigation techniques used at the time. Ivy House Environmental cannot be held responsible for conditions not revealed by the investigation.

This report has been prepared for the sole use of the client and shall not be relied upon or transferred to third parties without the express written consent of Ivy House Environmental. Unauthorised third parties rely upon the information contained within this report at their own risk.

2.0 NON-TECHNICAL SUMMARY

2.1 Permit Application

This Environmental Permit Application is submitted to the Environment Agency by the operator, LCC, 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.

The Bardon Transfer Station will be located in the district of North West Leicestershire, approximately 880m east of Ellistown and 10.0 km northwest of the city of Leicester. The site will be situated within an industrial estate, with light commercial to the immediate south, light industrial to the west, commercial premises to the north and a quarry to the east. The site will be centred at approximate National Grid Reference (NGR) SK 44657 11125.

Access for staff and visitors to the site will be achieved via Interlink Way South, which is located to the north of the site. HGV access is via the A511 to the north east of the site which joins onto the M1 located further east. The nearest residential dwelling is located approximately 589m southwest of the site on an unnamed road which is accessed off the B585.

The site will be fully concreted and will consist of a purpose-built building with external storage areas which are under cover. The site will be fully bunded with sealed drainage, and will boast a quarantine area for non-conforming incoming wastes (which will ensure that quarantined wastes do not contaminate those which have been deemed suitable for acceptance on the site), designated storage areas for hazardous and non-hazardous wastes which consist of bays and covered outside areas as well as a weighbridge and jet washing facilities.

The site location and the environmental permit boundary is provided on Drawing Number BWT-MAB-00-ZZ-DR-A-1101-S3-P03 and a site drainage plan has been provided on Drawing Number BWT-MAB-00-ZZ-DR-A-1100-S3-P02.

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;
- Site Condition Report;
- Operating Techniques;
- Environmental Risk Assessment;

- Odour Management Plan;
- Noise Management Plan;
- Dust Management Plan; and
- Fire Prevention Plan.

The Site Condition Report (Appendix B) sets out the history of the site and provides a summary of the activities being applied for, plus a site description and a baseline site investigation that is utilised when LCC wishes to Surrender the Permit.

Specific details on the operations of the site are provided in the Operating Techniques (Appendix C), which describes both the operational techniques and the management procedures carried out at the site. In summary, this document will consist of:

- Site Operations;
- Waste Types;
- Emissions Controls;
- Monitoring Proposals;
- Incidents and Non-Conformance Procedures;
- Accident Management; and
- Emergency Procedures.

An 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 with such linkages being internal pathways. Where potential for harm is identified, the assessment identifies management or engineering techniques, which will mitigate such impacts.

The Odour Management Plan (Appendix E) sets out how the site will comply with the requirements of Environment Agency Guidance Note H4 – how to comply with your environmental permit. In summary the main odour management techniques are as follows:

- Odour producing wastes will be stored within a building or containers;
- Use of abatement equipment;
- Waste acceptance procedures;

- Good housekeeping and regular cleaning of equipment and storage areas; and
- Careful control of stockpiles to prevent build up or aging of wastes.

The Noise Management Plan (Appendix F) sets out how the site will comply with the Environment Agency Guidance note Horizontal Guidance for Noise – Part 2. In summary, the main noise management techniques will be as follows:

- Site layout;
- Maintenance of roads and machinery; and
- Attenuation of noise generating activities.

The Dust Management Plan (Appendix G) sets out the dust management procedures at the site and utilises both Health and Safety Guidance (for dealing with Asbestos), Guidance note S5.06 and M17. In summary, the site will control dust emission via the following techniques:

- Provision of bays;
- Dampening of stockpiles;
- Coverage of stockpiles; and
- Good housekeeping.

The Fire Prevention Plan (Appendix H) sets out how the site will comply with the Environment Agency Guidance note – Fire Prevention Plans: Environmental Permits. In summary, the main fire prevention techniques will be as follows:

- Provision of a custom-built fire suppression system;
- Use of fire separation walls;
- Adherence to waste pile sizes in accordance with EA guidance;
- Undertaking of any hot works away from areas storing wastes;
- Good housekeeping and regular cleaning of plant and equipment; and
- Strict adherence to waste acceptance procedures.

The Pest Management Plan (Appendix I) sets out how the site will comply with Environment Agency Guidance Note – Non-hazardous and inert waste: appropriate measures for permitted facilities. In summary the pest management techniques are as follows:

- Use of wasp traps;
- Use of mice and rat traps;
- Fast turnaround of wastes;
- Appropriate containment of wastes which could attract pests;
- Ensuring maintenance of the sites surface water drainage system to prevent water pooling; and
- Good housekeeping and regular cleaning of plant and equipment.