

KIBWORTH RECYCLING AND  
HOUSEHOLD WASTE SITE

NON-TECHNICAL SUMMARY

LEICESTERSHIRE COUNTY COUNCIL

JULY 2021



<b>SUMMARY TABLE</b>	
<b>SITE:</b>	Kibworth Recycling and Household Waste Site – Non-Technical Summary
<b>SITE ADDRESS:</b>	Harborough Road, Kibworth, Leicestershire, LE8 0EX
<b>CLIENT:</b>	Leicestershire County Council
<b>DATE:</b>	July 2021
<b>REFERENCE</b>	IV.342.19
<b>DOCUMENT PROPOSAL:</b>	Operation of a Recycling and Household Waste Facility.
<b>COMMENTS:</b>	

Written By:		Justyna Krawczynska <i>Waste &amp; Permitting Consultant</i>
Checked By:		Amanda McCabe <i>Technical Director - Waste</i>
Authorised:		Richard Sutton MRICS <i>Director</i>
Date:	July 2021	
Version:	4.0	



## CONTENTS

1.0	INTRODUCTION .....	1
2.0	NON TECHNICAL SUMMARY .....	3

## 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 Household Waste and Recycling Site to undertake the following:

- Storage and Transfer of Green Waste;
- Storage and Transfer of Waste Electric and Electronic Equipment (WEEE);
- Storage and Transfer of Street Cleaning Residues;
- Storage and Transfer of Construction and Demolition Wastes;
- Storage and Transfer of Oils, Fats and Paints;
- Storage and Transfer of Acids and Solvents; and
- Storage and Transfer of 'other' Household Wastes.

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 throughput of 75,000 tonnes per annum for the facility which is split between 10,000 tonnes of hazardous waste and 65,000 tonnes of non-hazardous waste. The site will have a total storage capacity of 2,400 tonnes, split between 50 tonnes of hazardous waste and 2,350 tonnes of non-hazardous waste and will accept up to 400 tonnes of waste per day split between 50 tonnes of hazardous waste and 350 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.

## 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.

Kibworth Recycling and Household Waste Site will be located approximately 1km south of Kibworth and 15.3km southeast of the city of Leicester. The site will be situated within agricultural land with the A6 to the south of the site and a railway to the north of the site. The site will be centred at approximate National Grid Reference (NGR) SP 69822 93236.

Access for staff and visitors to the site will be achieved via Harborough Road (A6), which is located to the south of the site. The nearest residential dwelling is located approximately 670m northwest of the site on Harborough Road.

The site is to be a Recycling & Household Waste Site with additional wastes being accepted from commercial contracts. The site will consist of two areas, a Recycling & Household Waste Site area (RHWS) where members of the public will be able to drop off unwanted items and waste items, and a Bulking Area where wastes received via HGV's will be bulked for onwards transport.

The main Recycling & Household Waste Site yard boasts a number of Roll on Roll off (RoRo) containers which will store separate waste streams (metals, plastics, bottles, paper, hard core, plaster board, green wastes, wood wastes, cement bonded asbestos etc), as well as a canopied area for WEEE wastes (televisions, fridges, computers etc) and a separate area for liquid wastes which will be contained in appropriate tanks that are double skinned (oil's, fats, paints etc). In addition, batteries and fluorescent tubes will also be stored within the WEEE area in appropriate containers.

The public will be greeted upon arrival where they will be questioned about what waste they are wanting to deposit and will be directed to the relevant drop off point within the Recycling & Household Waste Site.

The waste brought to the site by HGV vehicles will be separate to that brought to the site via public vehicles. HGV vehicles will be directed to the Bulking Area where they will unload the waste directly into the relevant bay for inspection (the bulking area is located to the west of the site as per Site Layout Plan, Drawing Number M00460-MAB-00-ZZ-DR-A-1101-S4-P02). The Bulking Area will have covered/canopied storage bays to the west which will contain green wastes, wood wastes and other 'residual waste'.

In addition, the site will have designated storage areas for hazardous and non-hazardous wastes, oils, fats and paints to ensure that hazardous wastes do not mix with non-hazardous wastes.

The site will be fully bunded with sealed drainage. The site will contain any quarantined waste in containers/separate area within the Bulking Area which will be covered with tarpaulin if required (this will ensure that quarantined wastes do not contaminate those which have been deemed suitable for acceptance on the site) as well as a fire quarantine area.

The site location and the environmental permit boundary is provided on Drawing Number M00460-MAB-00-ZZ-DR-A-1100-S4-P02 and a site drainage plan has been provided on Drawing Number M00460-PAM-00-ZZ-DR-C-6000.

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;
- Pest Management Plan; and
- Fire Prevention Plan.

The Site Condition Report 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, 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 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 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 covered skips/containers or bays;
- 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 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 sets out the dust management procedures at the site and utilises both Health and Safety Guidance (for dealing with Asbestos), Guidance note S5.06, Non-hazardous and inert waste: appropriate measures for permitted facilities, July 2020, still in draft 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 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:

- Use of fire separation walls where appropriate;
- Providing Roll on Roll off Skips and bays;
- Liquids will be stored in double skinned tanks;
- 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 sets out how the site will comply with Environment Agency Guidance Note - Non-Hazardous and inert waste: appropriate measures for permitted facilities, July 2020, still in draft. 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.