

KIBWORTH RECYCLING AND
HOUSEHOLD WASTE SITE


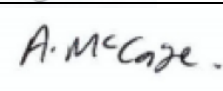

SITE CONDITION REPORT

LEICESTERSHIRE COUNTY COUNCIL

JULY 2021



SUMMARY TABLE	
SITE:	Kibworth Recycling and Household Waste Site – Site Condition Report
SITE ADDRESS:	Harborough Road, Kibworth, Leicestershire, LE8 0EX
CLIENT:	Leicestershire County Council
DATE:	July 2021
REFERENCE	IV.342.19
DEVELOPMENT PROPOSAL:	Operation of a Recycling and Household Waste Facility

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Authorised:		Richard Sutton MRICS <i>Director</i>
Date:	July 2021	
Version:	3.0	



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1.0 SITE DETAILS	
Name of the applicant	Leicestershire County Council
Activity address	Kibworth Recycling and Household Waste Site Harborough Road Kibworth Leicestershire LE8 0EX
National grid reference	SP 69822 93236
Document reference and dates for Site Condition Report at permit application and surrender	Environmental Permit Application Site Condition Report: July 2021
Document references for site plans (including location and boundaries)	<ul style="list-style-type: none"> • Site Location Plan • Site boundary - M00460-MAB-00-ZZ-DR-A-1100-S4-P02 • Site Layout Plan - M00460-MAB-00-ZZ-DR-A-1101-S4-P02 • Site Drainage Plan - M00460-PAM-00-ZZ-DR-C-6000

Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	<p>Site Setting</p> <p>The site is located approximately 1km south of Kibworth. The Site will be situated within agricultural land with the A6 to the south and a railway to the north. The site is centred at approximate National Grid Reference (NGR) SP 69822 93236.</p> <p>The site location and the environmental permit boundary is provided on Drawing Number. M00460-MAB-00-ZZ-DR-A-1100-S4-P02.</p> <p>Access for staff and visitors to the site is achieved via the A6, Harborough Road, located to the south of the site.</p>

	<p>Geology</p> <p>According to the British Geological Survey's (BGS) 'Geology of Britain Viewer', the bedrock geology comprises of the Charmouth Mudstone Formation – mudstone. The bedrock was formed approximately 183 – 199 million years ago during the Jurassic period.</p> <p>Hydrogeology</p> <p>With reference to the Magic Maps Website, the site is not situated within a Groundwater Source Protection Zone (GSPZ).</p> <p>The bedrock deposits are designated as a Secondary Undifferentiated which is defined as the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.</p> <p>Surface Waters</p> <p>A drainage channel which flows into Langton Brook is located 39m north of the site. Langton Brook is situated approximately 955m south of the site.</p> <p>With reference to the Environment Agency's mapping website, the site is situated within flood zone 1.</p> <p>Ecology</p> <p>With reference to the Magic Maps Website, there are no designated species or habitats within 1km of the site.</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures 	<p>With reference to historic maps dated from 1881 to present, the following activities were identified on the site:</p> <p>1885: On the eastern half of the site is a brick yard with associated pits and a site office. There is a railway bounded to the north of the site.</p> <p>1902: No change to the site or surrounding area.</p> <p>1959: The site is no longer a brick yard however a few ponds have infilled the pits.</p> <p>1967: There is a sewage works approximately 500m to the west.</p> <p>1972: The site is labelled as a refuse tip and all pits seem to have been infilled.</p> <p>1989 – 1994: The site is still a refuse tip and there is now a building on site.</p>

	<p>1997: A Civic Amenities Site has been set up in the eastern part of the site.</p> <p>2001: Composting Facility has been set up on the western part of the site. The Civic Amenities Site continues to the east of the site.</p>
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	<p>Please see the attached documents:</p> <ul style="list-style-type: none"> The Site Investigation Report entitled 'Kibworth Household Waste Recycling Site – Geo-technical and Geo-environmental Assessment', dated March 2021, Ref IV.293.20; and The Remediation Method Statement entitled 'Landfill Cap and Waste Excavation Remediation Method Statement (RMS) and Verification Plan, dated 6 April 2021, Ref IV.293.20.
Baseline soil and groundwater reference data	Please see the attached site investigation report entitled 'Kibworth Household Waste Recycling Site – Geo-technical and Geo-environmental Assessment, dated March 2021, Ref IV.293.20.
Supporting information	n/a

3.0 Permitted activities

Permitted activities	<p>Leicestershire County Council propose to undertake the following Waste Activities on site, namely:</p> <ul style="list-style-type: none"> R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced). D15: Storage pending any of the operations numbered D1 to D14 (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;
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	<ul style="list-style-type: none"> • R4: Recycling/reclamation of metals and metal compounds; and • R5: Recycling/reclamation of other inorganic materials.
Non-permitted activities undertaken	None
Document references for: <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	Site Layout Plan - M00460-MAB-00-ZZ-DR-A-1101-S4-P02; and Kibworth RHWS - Environmental Risk Assessment – July 2021

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	Not Applicable at this time.
Have there been any changes to the permitted activities?	Not Applicable at this time.
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	Not Applicable at this time.
Checklist of supporting information	<ul style="list-style-type: none"> • Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land

Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.

Checklist of supporting information	<ul style="list-style-type: none"> • Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures
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6.0 Pollution incidents that may have had an impact on land, and their remediation

Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.

Checklist of supporting information	<ul style="list-style-type: none"> • Records of pollution incidents that may have impacted on land • Records of their investigation and remediation
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7.0 Soil gas and water quality monitoring (where undertaken)

Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none">• Description of soil gas and/or water monitoring undertaken• Monitoring results (including graphs)
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8.0 Decommissioning and removal of pollution risk

Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none"> • Site closure plan • List of potential sources of pollution risk • Investigation and remediation reports (where relevant)
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9.0 Reference data and remediation (where relevant)

Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated.

If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.

Checklist of supporting information	<ul style="list-style-type: none"> • Land and/or groundwater data collected at application (if collected) • Land and/or groundwater data collected at surrender (where needed) • Assessment of satisfactory state • Remediation and verification reports (where undertaken)
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10.0 Statement of site condition

Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that:

- the permitted activities have stopped
- decommissioning is complete, and the pollution risk has been removed
- the land is in a satisfactory condition.