



**AN APPLICATION FOR AN ENVIRONMENTAL PERMIT  
TO AUTHORISE THE DEPOSITION OF WASTE ON  
LAND AS A RECOVERY ACTIVITY FOR THE  
RESTORATION OF PHASES 12, 13A AND 13C AT  
BROOKSBY QUARRY, MELTON ROAD, BROOKSBY,  
LEICESTERSHIRE**

**DUST AND EMISSIONS MANAGEMENT PLAN  
VERSION 1.1**

Report reference: TAR/BRO/AW/5654/01/DEMPV1.1  
October 2024



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Baddesley Colliery Offices, Main Road, Baxterley, Atherstone, Warwickshire, CV9 2LE  
Tel. (01827) 717891 Fax. (01827) 718507

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This report has been prepared by MJCA with all reasonable skill, care and diligence, and taking account of the Services and the Terms agreed between MJCA and the Client. This report is confidential to the client and MJCA accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known, unless formally agreed by MJCA beforehand. Any such party relies upon the report at their own risk.

## 1. Introduction

- 1.1 MJCA is commissioned by Tarmac Trading Limited (Tarmac) to prepare an application for a bespoke Environmental Permit for the deposition of waste on land as a recovery activity in order to restore Phases 12, 13a and 13c to agriculture at Brooksby Quarry, Melton Road, Brooksby, Leicestershire. Throughout this application Phases 12, 13a and 13c of Brooksby Quarry are referred to as the site. This document comprises a Dust and Emissions Management Plan (DEMP) prepared to support the application. DEMP Version 1.0 dated August 2023 was included with the application for the Environmental Permit. DEMP Version (1.1) (this current version) was prepared pursuant to a request for information from the Environment Agency to include further details of protected species, protected habitats and Local Wildlife Sites.
- 1.2 This DEMP has been prepared based on Environment Agency guidance '*Control and monitor emissions for your environmental permit*'<sup>1</sup> with reference to the section of the guidance entitled "*What to include in your dust management plan*".
- 1.3 This document presents the management techniques that will be used at the site to minimise the potential for particulate matter emissions from the site, the monitoring proposed to confirm the effectiveness of the management techniques and an action plan which will be implemented in the unlikely event that there is a significant emission of particulate matter from the site.
- 1.4 An assessment of the likelihood of particulate matter nuisance associated with the operation of the site is presented in the nuisance and amenity Environmental Risk Assessment (ERA) which is presented at Appendix H of the Environmental Permit application. In the ERA it is concluded that the residual risk in respect of fugitive emissions of particulate matter is '*low to very low*'.
- 1.5 The management and monitoring proposals in this document are based on a review of the ERA. The DEMP is reviewed annually. The review will include consideration of the results of particulate matter monitoring and progress with any improvements identified. A review of the effectiveness of dust monitoring techniques will be undertaken and changes made to monitoring techniques as necessary.

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<sup>1</sup> <https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit> Published 1 February 2016. Last Updated 24 November 2022.

## 2. Site details and description of site operations

2.1 The site which forms part of the wider Brooksby Quarry complex is centred on National Grid Reference (NGR) SK 66813 15092 approximately 1.1km east of Rearsby, 1.6km south east of Thrussington, 1.6km south of Hoby, 3.4km south west of Frisby on the Wreake and 2.4km north west of Gaddesby in Leicestershire. Brooksby Melton College and several residential dwellings are located north north east of the site and there are several isolated farms located in the area of the site which is generally in agricultural use. The site is accessed from the existing access to the Brooksby Quarry complex off the A607, Melton Road.

2.2 The location of the site which is the subject of the Environmental Permit application is shown on Figure DEMP 1 and the layout of the Brooksby Quarry complex including the site and the phasing is shown on Figure DEMP 2. The mineral processing plant is located generally centrally in the Brooksby Quarry complex.

### Source

2.3 The activities with the potential to generate and/or release particulate matter include the movement of particulate matter on vehicle bodies, the resuspension of particulate matter on haul roads by vehicles, the wind scouring of waste surfaces and the action of the wind on waste materials while they are being handled. Temporary haul roads comprising hardstanding will be created to provide a surface suitable for HGV movements.

### Pathway

2.4 Particulate matter is dispersed from the source to potential receptors by the wind. The location of sources of particulate matter in the site will vary depending on the location of waste deposit activities and temporary haul roads. Based on the prevailing wind direction which is from the south west, as shown on the wind roses for East Midlands Airport presented at Appendix A, areas to the north east of the site are down prevailing wind of the site.

### Receptors

2.5 As explained above the Brooksby Quarry complex including the site is in a predominantly rural area with the majority of the surrounding land in agricultural use.

The site and surrounding area are shown on Figure DEMP 2. With the exception of Melton Road and Brooksby Grange Farm the Brooksby Quarry complex including the site is generally bounded by hedgerows and small areas of woodland. The closest properties to the site are the buildings associated with Brooksby Grange Farm, Hive's Farm and Hall Farm the closest of which is located on the boundary of the site.

- 2.6** There are no Scheduled Monuments, World Heritage Sites or Listed Buildings within 500m of the site. There are two Grade II\* listed buildings located to the north of the site in the village of Brooksby which comprise the Church of St Michael and Brooksby Hall. The Church of St Michael is located approximately 790m from the site boundary and Brooksby Hall is located approximately 840m from the site boundary.
- 2.7** There are two public rights of way within 500m of the site as shown on Figure DEMP 2. Bridleway L117 runs in a north east to south west direction for approximately 450m south of the A607 and approximately 100m west of the north western corner of Phase 13c. Footpath H57 runs in a generally north east to south west direction approximately 300m north of Phases 12 and 13c.
- 2.8** Based on information provided by Leicestershire and Rutland Environmental Records Centre (LRERC)<sup>2</sup> there are four Local Wildlife Sites (LWS)<sup>3</sup> identified within 1km of the site. The locations of the LWS's are shown on Figure DEMP 2. The *River Wreake within Charnwood Borough* LWS is located approximately 670m north north west of the site at its closest point. The woodland *Bleak Moor* LWS and the wet woodland *Brooksby Melton Railside Wood* LWS are located approximately 900m and 690m north west of the site respectively. The *River Wreake and Lodge Farm, Brooksby* LWS is located approximately 980m north of the site. The protected species recorded identified were the Great Crested Newt located in five locations with the closet location approximately 300m north west of the site. Based on information provided by the Environment Agency in a habitat and nature conservation screen dated 29 October 2024 (Appendix D), there are two protected species types identified within 500m of the site comprising Bullhead located approximately 230m north west of the site and European Water Vole located approximately 300m from the site. Based on information available on the Defra MAGIC website, there are a number of areas of

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<sup>2</sup> <https://www.leicestershire.gov.uk/environment-and-planning/planning/leicestershire-and-rutland-environmental-records-centre-lrerc>

<sup>3</sup> Only notified LWS have been included.

deciduous woodland priority habitat within 1km of the site. As shown on Figure DEMP 2 the area of deciduous woodland closest to the site is approximately 60m to the west of the permit boundary.

- 2.9** A full list of the receptors in close proximity of the site are provided in Table DEMP 1 and shown on Figure DEMP 2. A summary of the source-pathway-receptor linkages is presented in Table DEMP 2.
- 2.10** The site is not located within an Air Quality Management Area (AQMA) or within 2km of an AQMA declared for PM10.

### 3. Particulate matter management techniques

3.1 The control of particulate matter at the site is achieved by a combination of controls on waste delivery and receipt at the site and operational techniques employed at the site. The techniques selected for use at the site are based on well-established techniques to control the emissions of particulate matter. Collectively the techniques amount to good housekeeping. Reference has been made where relevant to the Environment Agency Technical Guidance Document (Monitoring) M17 entitled 'Monitoring of particulate matter in ambient air around waste facilities' (M17) and appropriate measures for control of dust and mud presented in Environment Agency guidance '*Control and monitor emissions for your environmental permit*'. A variety of techniques are used at the site based on site specific circumstances. The techniques are described below.

#### **Responsibility for implementation of this plan**

3.2 The Technically Competent Site Manager (TCM) shall be responsible for the management of particulate matter and site staff will be trained appropriately. The TCM will appoint a suitably trained deputy to oversee the management of particulate matter at the site during operational periods when the TCM is not present at the site. The TCM will provide the training for the deputy. The training will include refresher training where appropriate however during the course of routine operation of the site the experience of the site staff, including the deputy, will comprise on the job training which will complement the refresher training as necessary. It is the responsibility of the TCM to ensure that the DEMP is being followed and to ensure that appropriate training is given.

#### **Operational controls**

3.3 The operational controls employed currently at the existing quarry site will continue to be employed for the waste deposit area including the following.

3.4 All vehicles using the site are instructed to sheet or otherwise contain their loads prior to arrival at the site to minimise the risk of particulate emissions. Loads are sheeted or contained until such time as they are inspected and/or deposited. Following completion of the visual waste acceptance checks in the site reception area, HGV

drivers delivering waste to the site will be instructed to tip waste in the currently active phase of the site.

- 3.5** Waste received at the site is subject to pre-acceptance checks and acceptance screening comprising, where appropriate, visual inspection to confirm that the load is consistent with the waste types permitted for acceptance at the site, shown in Table DEMP 3. In the event that unsuitable materials are delivered to the site, including wastes comprising solely or mainly dusts, powders or loose fibres, the load is rejected.
- 3.6** In order to minimise the deposition of mud that may subsequently dry and generate particulate matter if disturbed, such as when tracked over by vehicles, all vehicles delivering waste to the site will use the wheel cleaning facilities as necessary before leaving the Brooksby Quarry complex. The wheel cleaning facilities will be maintained in full working order throughout the life of the site. The site access road is maintained and swept with a road sweeper as necessary.
- 3.7** The movement of mobile plant and site traffic will be restricted to defined haul routes which will be maintained. Vehicle speed limits will continue to be imposed at 10mph for safety reasons and to reduce the potential for significant particulate matter to be resuspended. Insofar as it is practicable all site vehicle exhausts will be upward pointing to prevent the disturbance of particulate matter from the road surfaces. Mobile plant equipment used at the site will be maintained in accordance with the manufacturer's recommendations to optimise performance and minimise vehicle emissions. A no idling policy will be implemented at the site for vehicles and plant.
- 3.8** During dry weather conditions a bowser will be used to spray water onto the haul roads and access roads together with areas of waste deposition as necessary to minimise the potential for particulate matter to be generated and become airborne. The bowser has a capacity of 1,600 litres and is refilled using mains water or water abstracted at the site as necessary and by the end of each working day in preparation for use the next working day. The use of a water bowser is a proven effective dust management technique at numerous other deposit for recovery sites and inert landfill sites operated by Tarmac. Operations which may have the potential to generate particulate matter will cease if weather conditions and ground conditions preclude effective dust control. This decision is made at the discretion of the TCM based on the site conditions (dry, damp, wet) giving consideration to the weather conditions



(windy, calm, etc) and the type, quantity and particle size of the waste on site. Additional dust suppression will be employed as necessary to dampen waste materials during high winds particularly when the prevailing wind direction is towards potentially sensitive receptors.

- 3.9** In the event that particulate matter control measures fail to the extent that effective dust management cannot be provided then waste related operations at the site will be suspended until such time as the control measures can be reinstated.
- 3.10** All relevant site personnel including contractors will be trained in working practices and mitigation measures to minimise the generation and release of particulate matter.
- 3.11** Drop heights will be minimised during the unloading of waste. The mobile water bowser will be employed if necessary to provide dust suppression to minimise the release of particulate matter during the unloading of waste at the site.
- 3.12** Visual monitoring for emissions of particulate matter will be undertaken by site personnel. Further details are provided in Section 4 of this document.

#### **Action Plan**

- 3.13** A particulate matter management and monitoring action plan is presented in Section 6. The particulate matter management and monitoring action plan will be implemented in the event that:-
- i. there is an unacceptable visual emission of particulate matter from the site,  
or
  - ii. a complaint is received.

#### 4. Particulate matter monitoring programme

4.1 In TGN M17 it is stated that despite the subjective nature of the visual assessment of dust emissions:

*'this simple, cheap and easy to implement assessment approach has the significant advantage of providing instantaneous information on problems (e.g. it may be possible to directly observe the source of the dust emission, such as a particular stockpile) allowing rapid actions to be taken to deal with the problem.'*

4.2 During all site operations visual monitoring for emissions of particulate matter will be undertaken by suitably trained site personnel. Visual monitoring by suitably trained site personnel is the most effective method of detecting as quickly as possible emissions of particulate matter throughout the working day thereby facilitating promptly the assessment of such emissions allowing the selection and implementation as quickly as practicable of control measures as necessary. The effectiveness of the measures taken in controlling emissions is assessed during inspections undertaken at the site following implementation of the control measures. Any problem that is observed will be reported to the site manager who will be responsible for investigating the cause and implementing any necessary remedial action. The results of inspections and remedial measures taken will be recorded in the site diary.

4.3 In addition to the continual visual monitoring, specific routine visual monitoring will be undertaken comprising visual monitoring at boundary location D1 at least once per day while the site is active. The on-site monitoring locations are shown on Figure DEMP 2. The results of the on-site monitoring of visible dust will be recorded on the checklist presented at Appendix C of this DEMP. Visual monitoring will only be undertaken at locations adjacent to active Phases in which imported waste is being deposited.

4.4 As part of the daily housekeeping practices, a final site inspection will be completed at the end of each working day to check that the site is in a condition that has a low potential to release dust outside of normal operational hours. Publicly available weather forecasts will be consulted by site staff to identify forecasts of extreme weather events or storms which may have the potential to increase the risk of the

release of particulate matter from the site outside operational hours and additional control measures such as dampening of the working face prior to the end of the working day will be implemented as necessary. The findings of the visual assessments will be recorded on the form provided at Appendix C of this DEMP. Any problem that is observed will be reported to the TCM who will be responsible for investigating the cause and implementing any remedial action as necessary. Incidents and remedial measures taken will be recorded in the site diary.

- 4.5** The site manager will use the Meteorological Office ([www.met-office.gov.uk](http://www.met-office.gov.uk)) weather forecast or other forecast to predict weather conditions such as prolonged dry spells which may give rise to particulate matter emissions and will implement the appropriate precautionary and or management measures. A qualitative assessment of the on-site conditions will be undertaken as necessary and measures taken to control aerial emissions of particulate matter within the site boundary.
- 4.6** The records of the visual particulate matter monitoring will be reviewed periodically to facilitate the review and assessment of operational activities as necessary. The review will be carried out in conjunction with a review of meteorological data that are available and the site operations that took place during the monitoring period together with any complaints regarding particulate matter emissions that have been received.
- 4.7** In the event that based on the visual site observations there is an unacceptable particulate matter emission from the site the particulate matter management and monitoring action plan will be implemented. The particulate matter management and monitoring action plan is presented in Section 6.
- 4.8** The site is not located within an AQMA declared for Particulate Matter PM<sub>10</sub>. As the activities undertaken and the site will be limited to the deposit of inert waste and with the mitigation measures in this report applied it is unnecessary to undertake quantitative dust monitoring at the site.

## 5. Engagement with the community

- 5.1 Tarmac are conscious of the potential impact on the environment of its activities and strive to manage and minimise those impacts. Tarmac recognises the importance of community engagement and strives to build a positive working relationship with local residents and businesses across all of its sites. Contact details for the site, including out of hours contact details, shall be displayed on the signage at the site entrance.

### **Reporting of complaints and management responsibilities**

- 5.2 Any complaints about the site operations and/or their impact on the environment made by third parties (including any complaints identified by the Environment Agency or Local Authority) will be brought to the attention of the TCM in the first instance who will identify and implement the measures needed to resolve the matter as set out in Section 6. They shall then make a note of the complaint and the actions taken to resolve it. A register of complaints will be maintained onsite in the site diary. Complaints will be escalated to senior management if necessary, based on the number and type of complaints. The need to escalate complaints will be decided by the TCM. Should complaints be escalated the details will be recorded in the site diary.
- 5.3 The particulate matter management and monitoring action plan which is implemented in the event that a complaint is received is presented in Section 6.

## 6. Particulate matter management and monitoring action plan

### Context

- 6.1 The overriding management principle of the site with respect to the control of particulate matter shall be to operate the site in a manner which prevents or minimises the release of dust as set out in the DEMP. If it is considered that the waste received, handled and deposited at the site, or the site surfacing itself is in a condition that has the potential to release a significant quantity of dust such that there is a potential for off site dust emissions, additional dust suppression measures will be employed in a manner proportionate to the risk. These actions will be undertaken as part of the routine operation of the site. The action plan in this section of the report sets out the additional actions that will be taken in the event that conditions are identified whereby the routine measures need to be supplemented or improved.

### Introduction

- 6.2 The action plan will be implemented in the event that:-
- i) there is an unacceptable visual emission of particulate matter from the site or
  - ii) a complaint is received
- 6.3 An unacceptable visual emission of particulate matter from the site comprises a visual observation of dust or particulate matter crossing the site boundary. The initial observation is made by the site operative who has identified the emission and is verified by the TCM.
- 6.4 The timescale for implementation of the action plan will vary depending on the circumstances under which it is implemented. If an unacceptable visual emission is observed by site operatives there will be no delay in implementing the action plan, whereas a complaint may be received by the operator a number of hours or even days after the activity that may have contributed to the complaint has ceased. In the latter case investigation of the complaint will be based on a review of the data and observations recorded at the site corresponding to the time at which the complainant observed the event.

## Action plan

**6.5** In the event that an unacceptable visual emission of particulate matter from the site is observed by site personnel or in the event of a complaint associated with particulate matter emitted from the site the event will be investigated immediately by the TCM to determine the source as follows:

If it is established that the emissions are attributable to activities being undertaken at the Tarmac site action will be taken to control the emissions including where relevant:

- Establish the cause of the emissions and take immediate action to control the emissions.
- If emissions are attributable to unloading or depositing of waste dust suppression will be applied to control the particulate matter emission from the activity being undertaken. If necessary, the unloading and depositing of waste will temporarily cease.
- Organise additional road sweeping and mobilise the bowser to spray the affected area if necessary.
- Take action to ensure that vehicles are obeying the speed limits.
- Identify whether there are any other activities being undertaken at locations other than the Tarmac site including the locations with the potential to release particulate matter identified in Table DEMP 1 and estimate the extent to which other activities may contribute to the visual emissions observed on the site including circumstances where windblown dust may be transported across and/or over the site from the external sources.
- In the unlikely event that the routine control measures employed at the site are not sufficient to control particulate matter emissions then consideration will be given to further measures to minimise and control emissions including consideration of erecting static water sprays in strategic locations.

**6.6** Appropriate action will be taken which will include the cessation of the activity if necessary. In the case of a complaint action taken will be communicated to the complainant. The nature of the complaint, the findings of the investigation and the

action taken will be recorded using the form presented at Appendix B. Consideration will be given to the wind speed and direction, the site operations and observations. As necessary the relevant operational procedures will be reviewed and improvements implemented.

**TABLES**



Table DEMP 1

## Summary of the receptors in the vicinity of the site

Ref	Name or description	Type of receptor	Approx. distance from site (m)	Direction from site
1	Tarmac Brooksby Quarry	Commercial	Adjacent	W, N, E
2	Oakdale Properties	Domestic Dwellings	800	W
3	Brooksby Properties	Domestic Dwellings	780	NNE
4	Garden House / Spinney Farm Cottages	Domestic Dwellings	790	NE
5	Brooksby Melton College	Educational	910	NNE
6	Brooksby Grange Farm	Farm	Adjacent	W
7	Hall Farm	Farm	250	NNW
8	Hive's Farm	Farm	300	NW
9	Brookfield	Farm	500	WSW
10	Spinney Farm	Farm	720	E
11	Brooksby Hall	Historic	840	NNE
12	Brooksby Fishing Lake	Recreational	440	N
13	St Michael's Church	Religious	790	NNE
14	A607	Transport	Adjacent	W, N
15	Railway	Transport	660	NW
16	Rearsby Brook	Watercourse	Adjacent	S
17	River Wreake within Charnwood Borough	Local Wildlife Site	670	NNW
18	Bleak Moor	Local Wildlife Site	900	NW
19	Brooksby Melton Railside Wood	Local Wildlife Site	690	NW
20	River Wreake and Lodge Farm, Brooksby	Local Wildlife Site	980	N
21	Great Crested Newt	Protected Species	5 Locations Closest 250	multiple
22	Deciduous Woodland Priority Habitat	Priority Habitat	Multiple locations Closest 60	multiple
App D <sup>1</sup>	Bullhead	Protected Species	230	NW
App D <sup>1</sup>	European Water Vole	Protected Species	300	multiple

**Notes**

Receptors within 1km of the site are reported. Distances are approximate to the nearest 10m.

The shaded boxes comprise activities such as roads and commercial operations in the vicinity of the site which have the potential to contribute particulate matter emissions to local air quality.

1 The locations of the protected species are shown in Appendix D

Table DEMP 2

## Source - pathway - receptor linkages

For each of the sources and pathways included in the table the receptor is considered to be the receptors identified in Table DEMP 1, particularly those located down prevailing wind of the site. The sources in the table comprise those identified in Paragraph 2.3 of the DEMP. Further details of the techniques employed to minimise the emissions of dust are presented in Section 3 of the DEMP.

Source	Pathway	Techniques employed to minimise the emissions of dust
Vehicles entering and/or leaving the site with mud on their wheels	Tracking out of the site of particulate matter and mud on vehicle wheels which may drop off and deposit on the public highway which may subsequently dry and generate particulate matter if disturbed such as when tracked over by vehicles.	All vehicles delivering waste to the site will use the wheel cleaning facilities as necessary before leaving the site. The wheel cleaning facilities will be maintained in full working order throughout the life of the site. The site access road will be maintained and swept with a road sweeper as necessary.
The release of particulate matter and debris from waste loads as they are delivered to the site	Falling off delivery vehicles.	All vehicles using the site will be instructed to sheet or otherwise contain their loads prior to arrival at the site to minimise the risk of particulate emissions. Loads will be sheeted or contained until such time as they are inspected and/or deposited.
The resuspension of particulate matter on roads and site surfacing by vehicles	Atmospheric dispersion	The movement of mobile plant and site traffic will be restricted to defined haul routes which will be maintained. Vehicle speed limits will be imposed for safety reasons and to reduce the potential for significant particulate matter to be resuspended. Insofar as it is practicable all site vehicle exhausts will be upward pointing to prevent the disturbance of particulate matter from the road surfaces. The site access road will be maintained and swept with a road sweeper as necessary. A mobile bowser will be used as necessary to dampen down road and site surfaces.

Source	Pathway	Techniques employed to minimise the emissions of dust
The release of particulate matter when waste loads are deposited at the site.	Atmospheric dispersion	Drop heights will be minimised during the unloading of waste. A mobile water bowser will be employed if necessary to provide dust suppression to minimise the release of particulate matter during the unloading of waste at the site.
Wind scouring of waste surfaces.	Atmospheric dispersion	Once waste deposit is complete in specific areas of the site, restoration soils will be placed and seeded (depending on the end use of the area) to minimise the potential for wind scouring. Waste surfaces which have the potential to dry out and release significant quantities of particulate matter prior to being restored will be dampened using the water bowser.
Particulate emissions from the exhaust of vehicles and plant on site.	Atmospheric dispersion	Vehicles and plant on site will be maintained to optimise performance and minimise vehicle emissions. A no idling policy will be implemented at the site for vehicles and plant.

**Table DEMP 3**  
**Waste types authorised to be accepted at the site**

<b>Waste Code</b>	<b>Description (consistent with SR2015_No39 were appropriate)</b>	<b>Restrictions (consistent with SR2015_No39 where appropriate)</b>
<b>01 01</b>	<b>Wastes from mineral excavation</b>	-
01 01 02	wastes from non-metalliferous excavation	Restricted to waste overburden and interburden only
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>	-
01 04 08	waste gravel and crushed rocks other than those containing dangerous substances	-
01 04 09	waste sand and clays	-
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11	Wastes received under this code will originate from quarries operated by Tarmac and will comprise: <ul style="list-style-type: none"> <li>• Filter cake resulting from silt presses associated with the primary washing of quarried granite materials.</li> <li>• Dried silt resulting from washing of quarried granite materials where the silt is dried in bays.</li> </ul>
<b>10 12</b>	<b>wastes from the manufacture of ceramic goods, bricks, tiles and construction projects</b>	-
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)	-
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>	-
17 01 01	Concrete	-
17 01 02	Bricks	-
17 01 03	Tiles and ceramics	-
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Metal from reinforced concrete must have been removed.
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites) stones and dredging spoil</b>	-
17 05 04	soil and stones other than those mentioned in 17 05 03	Restricted to topsoil, peat, subsoil and stones only.
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example, sorting, crushing, compacting, pelletising) not otherwise specified</b>	-
19 12 09	minerals (for example sand, stones)	Restricted to wastes from treatment of waste aggregates that are otherwise naturally occurring minerals. Does not include fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard.
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>	-
20 02 02	soil and stones	Restricted to topsoil, peat, subsoil and stones only.




#### Notes


A - The control measures applied at the site to minimise the potential for generation of dust from the storage of the waste types specified in Table 2 are set out in Section 3 of this DEMP.

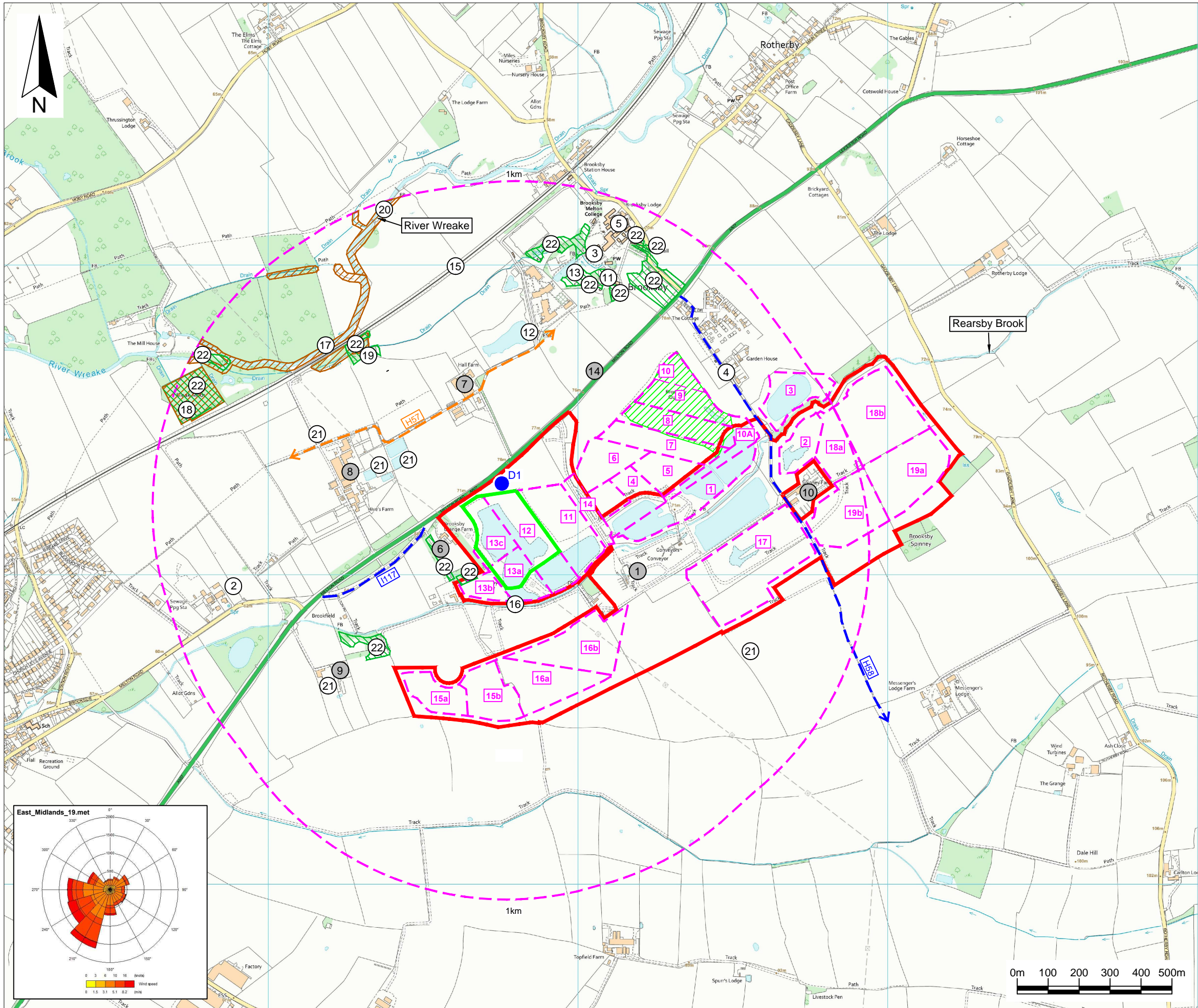
**FIGURES**














### Key / Notes

-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  The approximate boundary of the site the subject of the Environmental Permit application
-  Approximate location of Frisby Marsh Site of Special Scientific Interest (SSSI)

Rev	Final	KR	JAD	CJG	04/08/23
	Status	Drn	App	Chk	Date
Site BROOKSBY QUARRY					
Client  <b>TARMAC</b> A GRH COMPANY					
Title The site location					
Figure DEMP 1				Scale 1:50,000@A4	
Drawing Ref TAR/BRO/03-23/23643					
Reproduced scale mapping by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright 2006. All rights reserved. Licence number 100017818.					



### Key / Notes

-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  The approximate boundary of planning permission reference 2018/0917/06 (2018/CM/0123/LCC)
-  The approximate boundary of the site the subject of the Environmental Permit application
-  Phase boundaries
-  1km boundary of the anticipated Environmental Permit application
-  Approximate location of a receptor
-  Approximate route of footpaths within 500m of the site
-  Approximate route of bridleways within 500m of the site
-  Approximate location for the monitoring of visible dust
-  Local wildlife sites
-  Deciduous Woodland Priority Habitat

Note:  
The numbers shaded in grey on the drawing and shown in the Table DEMP 1 comprise activities such as roads and commercial operations in the vicinity of the site which have the potential to contribute particulate matter emissions to local air quality.

Rev	Status	Drn	App	Chk	Date
	Final	KR	LRM	AW	28/10/24

Site  
BROOKSBY QUARRY

Client  
 **TARMAC**  
A CRH COMPANY

Title  
The site and surrounding area

Figure DEMP 2      Scale  
1:12,500@A3

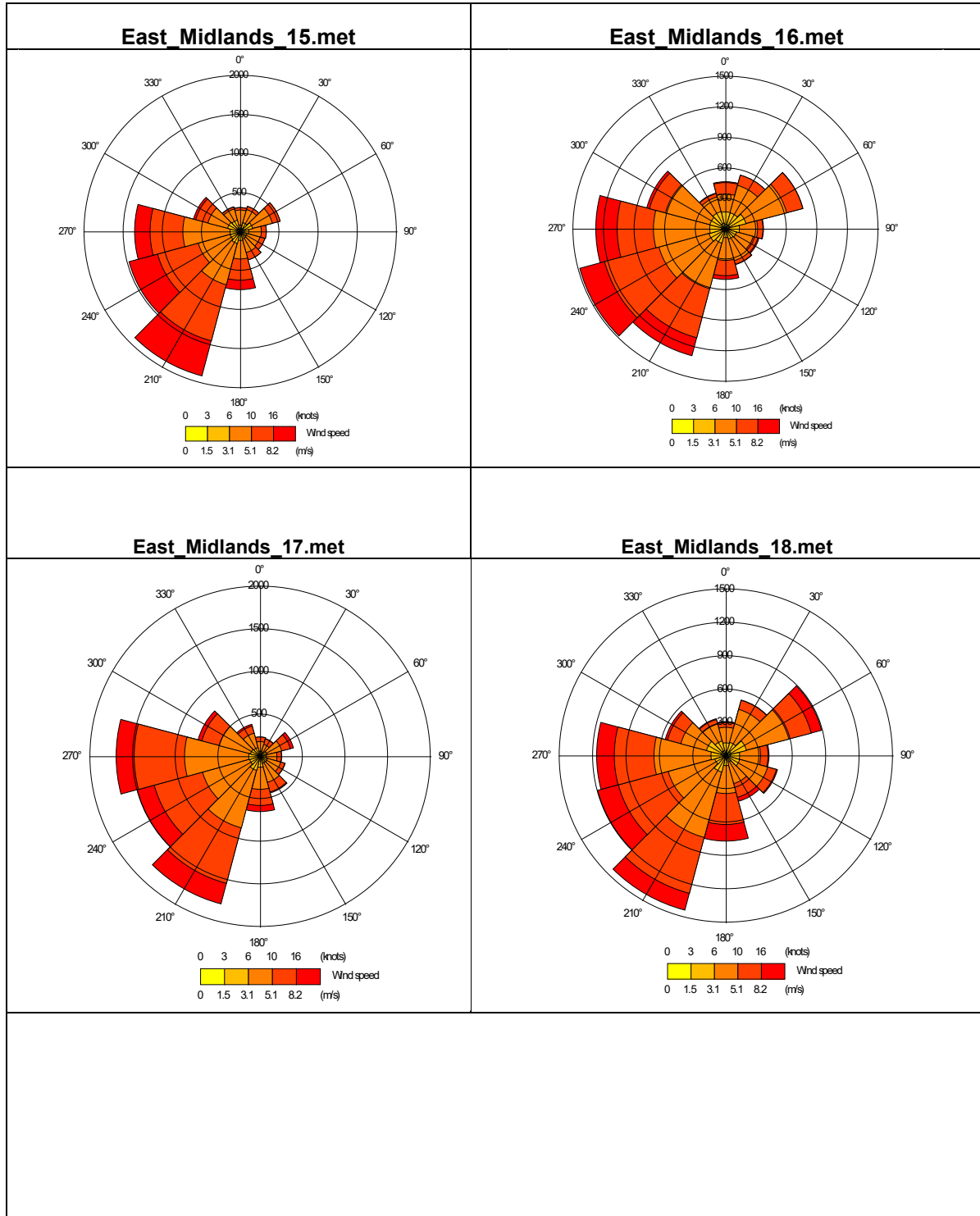
Drawing Ref  
TAR/BRO/10-24/24567

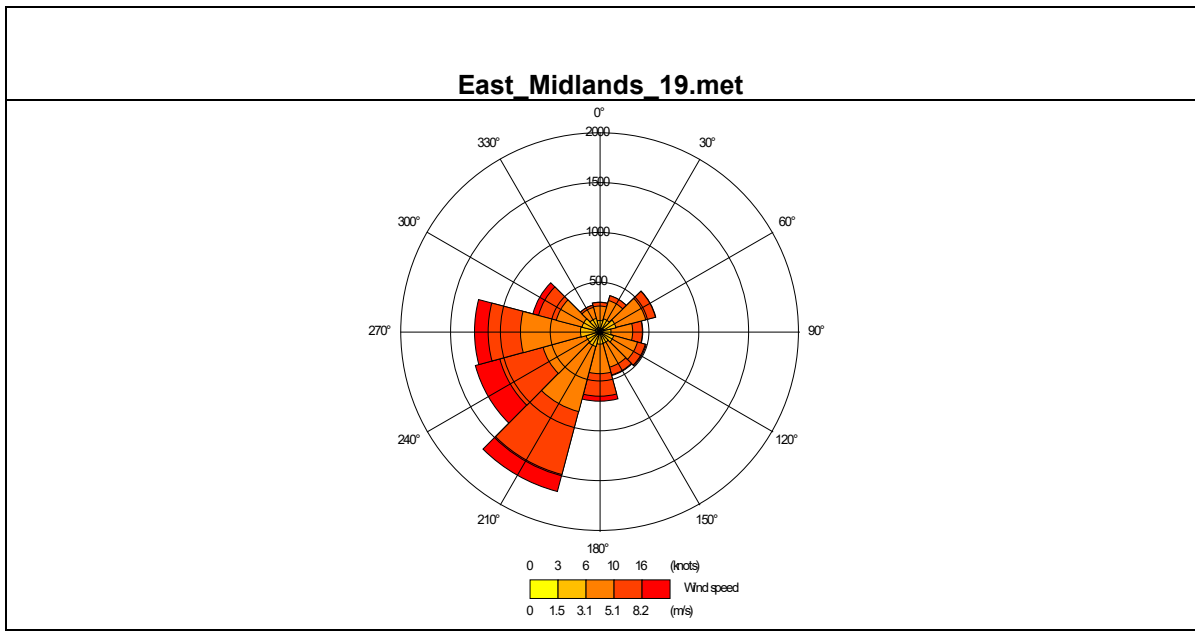
Reproduced scale mapping by permission of Ordnance Survey on behalf of The Controller of His Majesty's Stationery Office. © Crown copyright 2024. All rights reserved. Licence number AC0000851450.

 **MJCA**  
Baddesley Colliery Offices,  
Main Road, Baxterley, Atherstone  
Warwickshire, CV9 2LE.  
Telephone : 01827 717891  
Technical advisers on environmental issues Fax : 01827 718507

**APPENDIX A**  
**WIND ROSES FOR EAST MIDLANDS AIRPORT (2015 – 2019)**







**APPENDIX B**  
**PARTICULATE MATTER MONITORING AND MANAGEMENT ACTION PLAN RECORD**  
**FORM**

### Particulate matter monitoring and management action plan record form

<b>Particulate Matter Complaint Report Form</b>		Sheet No
Date:	Site to which complaint relates	Grid Reference:
Name and address of complainant:		
Tel no. of complainant:		
Time and date of complaint:		
Date, time and duration of particulate matter emission:		
Location of particulate matter emission, if not at above address:		
Weather conditions (i.e., dry, rain, fog, snow):		
Cloud cover (0-8):		
Cloud height (low, high, very high):		
Wind strength - (light, steady, strong, gusting)	Or use Beaufort scale:	
Wind direction:		
Complainant's description of particulate matter emission :		
Has complainant any other comments about the particulate matter emission?		
Are there any other complaints relating to the site, or to that location? (either previously or relating to the same exposure)		
Any other relevant information:		
On-site activities at time the particulate matter emission occurred:		
Form completed by	Signed	

Particulate matter monitoring and management action plan record form

Actions taken (and outcome):

Completed by:

Date:

**APPENDIX C**  
**VISUAL DUST MONITORING FORM**

# Dust Monitoring Form

Week commencing: .....

Day	Name of assessor	Time	Location	Wind direction	Visual observations / Comments	Action taken
Monday			D1			
			D2			
			D3			
Tuesday			D1			
			D2			
			D3			
Wednesday			D1			
			D2			
			D3			
Thursday			D1			
			D2			
			D3			
Friday			D1			
			D2			
			D3			
<b>Additional comments</b>						

Signed off by: .....

This form should be read and used in conjunction with Figure DEMP2 which shows the visual monitoring locations D1, D2, D3.

*Use as many of these forms as necessary*

				<b>Date:</b>	October 2021	
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**APPENDIX D**  
**HABITAT AND NATURE CONSERVATION SCREEN**



# Nature and Heritage Conservation

## Screening Report: Bespoke Waste

Reference	EPR/CP3720LH/P001
NGR	SK 66848 15133
Buffer (m)	700
Date report produced	29/10/2024
Number of maps enclosed	2

### This nature and heritage conservation report

The nature and heritage conservation sites, protected species and habitats, and other features identified in the table below **must be considered in your application**.

In the further information column, there are links which give more information about the site or feature type and indicate where you are able to self-serve to get the most accurate site boundaries or feature locations.

Most designated site boundaries are available on [Magic map](#). Using Magic map allows you to zoom in and see the site boundary or feature location in detail, Magic map also allows you to measure the distance from these sites and features to your proposed boundary. [Help videos](#) are available on Magic map to guide you through.

Where information is not publicly available, or is only available to those with GIS access, we have provided a map at the end of this report.

#### Sites and Features within screening distance

#### Screening distance (m)

#### Further Information

Local Wildlife Sites (LWS) (see map below)

200

[Appropriate Local Record Centre \(LRC\)](#)

**Brooksby – Melton Railside Wood  
River Wreake within Charnwood  
Borough**

[Appropriate Wildlife Trust](#)

## Protected Species within screening distance

### Protected Species

Bullhead

European Water Vole

## Screening distance (m)

up to 500m

## Further Information

[Natural England](#)

[Appropriate Local Record Centre \(LRC\)](#)

[National Biological Network \(NBN\)](#)

Environment Agency. Dial 03708 506 506 for your local Fisheries and Biodiversity team

## Protected Habitats within screening distance

Deciduous woodland

## Screening distance (m)

up to 50m

## Further Information

[Natural England](#)

Unfortunately, we cannot provide you with the details of all protected species. This is because we either have not been given permission by the owner of the species data, or they have asked us not to identify the species as they are vulnerable. In these instances, you must contact the relevant organisation listed above. A small administration charge may be incurred for this service.

Where protected species are present, a licence may be required from [Natural England](#) to handle the species or undertake the proposed works.

The relevant Local Records Centre must be contacted for information on the features within local wildlife sites. A small administration charge may also be incurred for this service.

**The following nature and heritage conservation sites, protected species and habitats, and other features have been checked for, where they are relevant for the permit type requested, but have not been found within screening distance of your site unless included in the list above.**

Special Areas of Conservation (cSAC or SAC), Special Protection Area (pSPA or SPA), Marine Conservation Zone (MCZ), Ramsar, Sites of Special Scientific Interest (SSSI), National Nature Reserve (NNR), Local Nature Reserve (LNR), Local Wildlife Sites (LWS), Ancient Woodland, relevant species and habitats.

**Please note** we have screened this application for features for which we have information. It is however your responsibility to comply with all environmental and

planning legislation, this information does not imply that no other checks or permissions will be required.

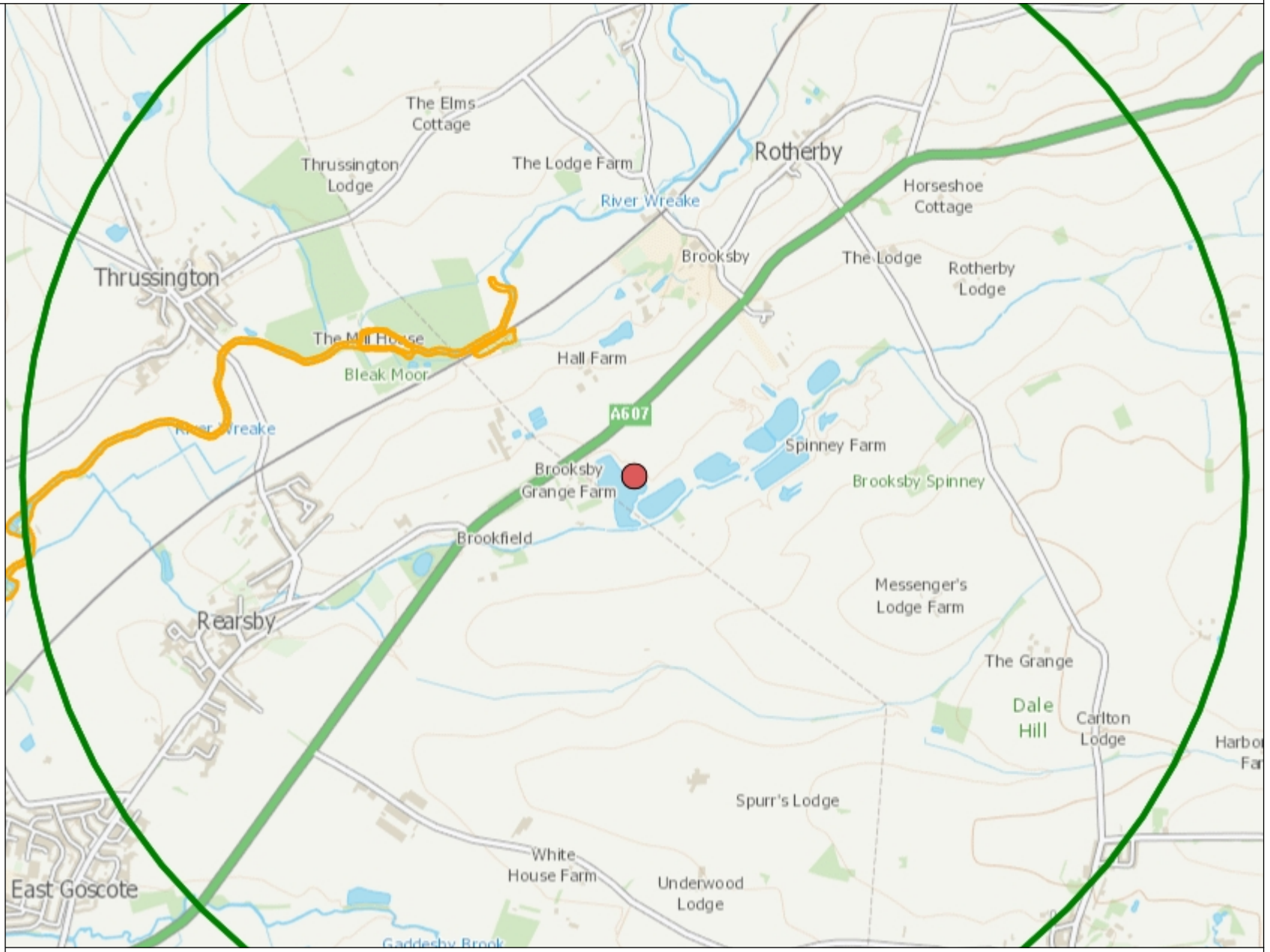
The nature and heritage screening we have conducted as part of this report is subject to change as it is based on data we hold at the time it is generated. We cannot guarantee there will be no changes to our screening data between the date of this report and the submission of the permit application, which could result in the return of an application or requesting further information

# Local Wildlife Sites



## Legend

 Local Wildlife Sites



1: 25,000





# Protected Species




## Legend


Protected species screened for Env Permits - complete set

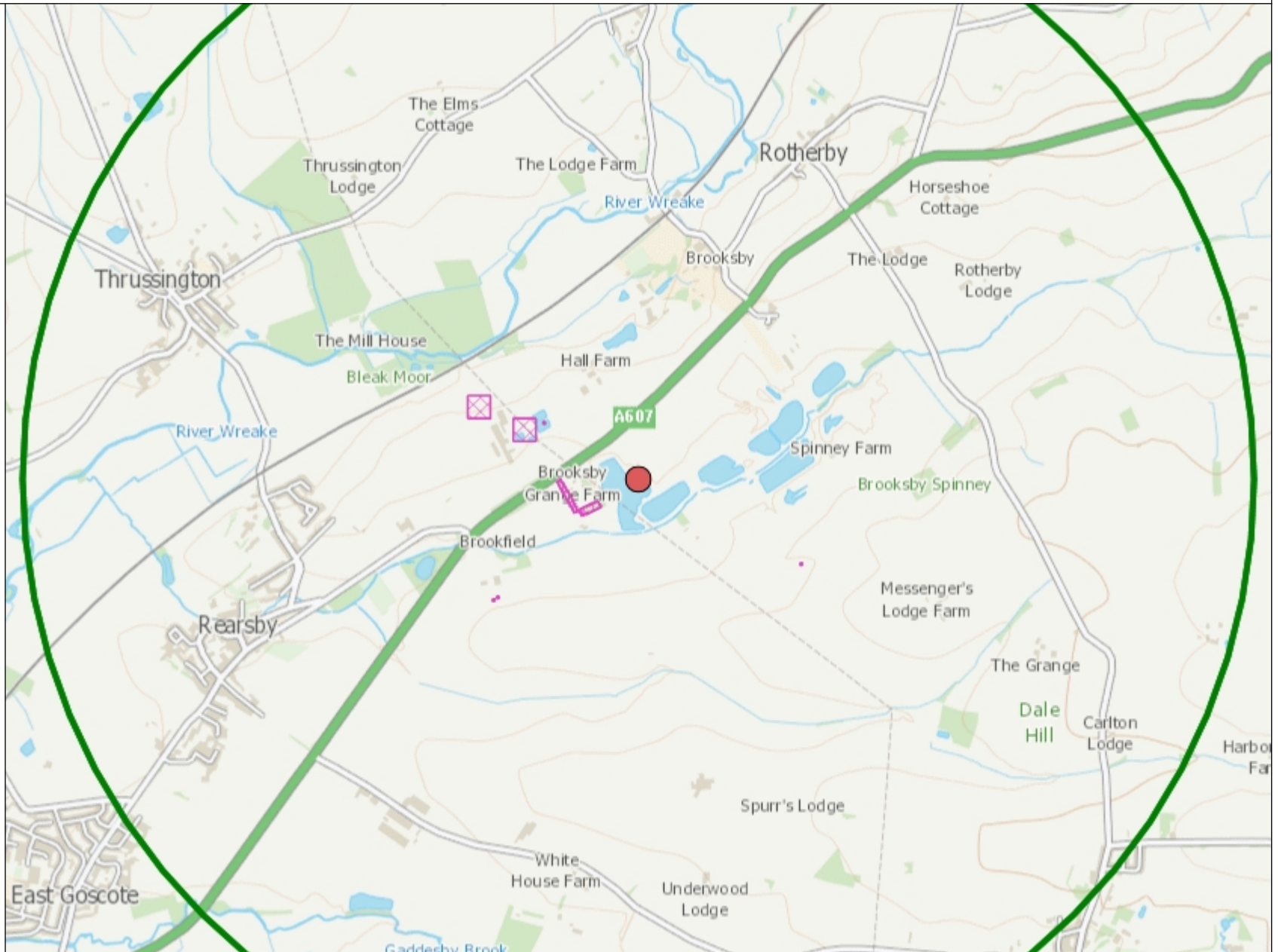
 Protected species, non fish

 Protected fish

 Protected fish migratory route

 Coded

 Protected Habitats screened for Env Permits



1: 25,000

0 625

Metres

