Soil Treatment UK Limited

# Environmental Permit Application

Soil Treatment UK Limited

Finmere Quarry and Landfill Site,
Banbury Road,
Finmere,
Oxfordshire,
MK18 4AJ

WESTBURY ENVIRONMENTAL

PROVIDING SOLUTIONS, ENSURING COMPLIANCE

T 01952 879705 E info@westburyenv.co.uk

A Agriculture House, Southwater Way
Telford, Shropshire, TF3 4NR

W www.westburyenv.co.uk

## Document Control Table

| | |
|---|---|
| Project Reference | 23/009c |
| Project Title | Environmental Permit Application |
| Document Title | Environmental Permit Application Report V1 |
| Document Issue Date | 26 October 2023 |
| Client | Soil Treatment UK Limited |
| Status | Issued |

## Change log

| Version | Changes | Produced by | Checked by | Date |
|---|---|---|---|---|
| 1 | Original Application Report | Emma Gibson | Tracey Westbury | 26 October 2023 |

## Contents



## Drawings



## Application Forms



## Appendices

# 1. Introduction

1.1. Westbury Environmental Limited have been instructed to prepare this Environmental Permit application on behalf of Soil Treatment UK Limited (the Operator) to allow the operation of a waste treatment facility located at Finmere Quarry and Landfill, Banbury Road, Finmere, Oxfordshire, MK18 4AJ. The site is defined as the area within the proposed permit boundary denoted by the green line, see Drawing No. 23/009c 001 Permit Boundary Plan V1 (Site).

1.2. The Site is within the existing Finmere Quarry and Landfill. The quarry is divided into two sections: the northern and southern sections. The northern section of the quarry is currently operated under a landfill and waste recovery permit with an approved restoration scheme. The southern area of the quarry includes the waste operations proposed within this permit application.

1.3. This application comprises of a bespoke Environmental Permit application for physical waste treatment of construction / demolition waste that has hazardous properties under Section 5.3 Part A (1) (a) (ii) of the Environmental Permitting Regulations (England and Wales) 2016 and non-hazardous construction / demolition waste.

1.4. The Operator also proposes to combine particular non-hazardous waste types for treatment to produce a 'compost like output' (CLO). This waste is biologically treated to biodegrade the organic fraction, resulting in a stable compost like material which is suitable for use such as, landfill cover and restoration material for the landfill site on the northern section of the quarry.

1.5. The proposed waste treatment activities include:

- Handpicking
- Screening
- Washing
- Crushing
- Storage
- Blending
- CLO production

1.6. It is proposed that the Site will accept a maximum of 300,000 tonnes of waste per annum which includes both hazardous and non-hazardous waste. A maximum of 80,000 tonnes will be stored on Site at any one time.

1.7. The extent of the proposed permit boundary is shown on Drawing No. 23/009c 001 Permit Boundary Plan V1.

1.8. An Indicative Site Layout Plan has been provided to show Site infrastructure and the potential location of the waste activities, see Drawing No. 23/009c 002 Indicative Site Layout Plan V1.

1.9. A Sensitive Receptor Plan has been provided to show receptors that are located within a 1km radius of the Site that have the potential to be impacted by operations at the Site, see Drawing No. 23/009c 003 Sensitive Receptor Plan V1.

1.10. The relevant Environment Agency Application Forms (Part A, B2, B3, B4 and F1) and supporting information are included within this Environmental Permit application report. Other supporting documentation for this application has been attached as Appendices to this Application Report.

**Supporting Documentation**

1.11. A Non-Technical Summary has been produced that provides an overview of the proposed treatment activities, see Appendix 1 Non-Technical Summary.

1.12. A Technical Summary has been produced that provides a detailed description of the proposed activities, see Appendix 2 Technical Summary.

### Operator Details

1.13. The company details, including information regarding the directors of the company and Technically Competent Manager (TCM), are provided below:

### Company Details

| | |
|---|---|
| **Company Name** | Soil Treatment UK Limited |
| **Company Number** | 14735656 |
| **Registered Address** | A T E Farms,<br>Moorbarns Lane,<br>Lutterworth,<br>Leicestershire,<br>United Kingdom,<br>LE17 4JD |
| **Incorporation Date** | 16/03/2023 |

### Information for Directors

| **Name** | **Date of Birth** |
|---|---|
| Julie Adele Todd | May 1970 |

### Technically Competent Manager (TCM)

1.14. Julie Todd is proposed to be the TCM for this Site. A copy of the WAMITAB certificate and registration for hazardous waste modules has been included, see Appendix 3 TCM Certificate.

1.15. Julie provides technical competence for a number of other sites, see table below for the environmental permit numbers and site address for all other waste activities the proposed TCM provides technical competence for.

| **Permit Number** | **Site Address** | **Postcode** |
|---|---|---|
| FB3609MP | Humberside Excavations Limited, Gibson Lane, Melton, North Ferriby | HU14 3HH |
| CB3939DY | Mike Wakefild Tipper Limited, Unit 40 Foster Street Industrial Estate, Hull | HU8 8BT |
| KB3908HM | Ashcourt Contracts Limited, Dalton Street, Hull | HU8 8BB |
| UP3830NT & DB3909MM | Himley Environmental Limited, Crooked House Lane, Himley, Dudley | DY3 4DA |
| DB3705CX | AT Contracting & Plant Hire Limited, Leire Lane, Dunton Bassett, Broughton Astley | LE17 5JP |

## 2. Site Location and Setting

2.1. The Site is located within Finmere Quarry and Landfill approximately 650m south-west of the village of Finmere. In terms of larger settlements, Buckingham is 5.6km east and Bicester 8.4km south. The approximate centre of the Site is located at National Grid reference SP 62771 32028.

2.2. The Site is approximately 6 hectares (ha) in size and is shown on Drawing No. 23/009c 001 Permit Boundary Plan V1.

2.3. The Site shares an access road with the northern section of the quarry, which is undergoing landfilling, off the A421 (Banbury Road). From the A421 there is a 1.5km access road around the northern section of the Landfill leading to the area of the proposed Site.

2.4. Immediately adjacent to the western boundary of the Site is a railway line currently undergoing major construction works for the high-speed railway development, HS2.

2.5. Finmere airfield is approximately 1km east of the Site boundary. The remaining surrounding land to the Site includes woodland and agricultural land.

2.6. A full list of the Site receptors can be seen in Drawing No. 23/009c 003 Sensitive Receptor Plan.

# 3. Proposed Waste Operations

3.1. The proposed waste activities are presented in Table 3.1 below.

**Table 3.1 Proposed waste activities**

| Description of activities | Limits of activities |
|---|---|
| R3 – Recycling / reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)<br><br>R5 – Recycling / reclamation of other inorganic materials<br><br>R13 – Storage of waste pending any of the operations R1 to R12<br><br>D15 – Storage of waste pending any of the operations D1 to D14 | The waste types permitted for storage and treatment are included in Appendix 8, List of Waste Codes. |

3.2. It is proposed hazardous and non-hazardous construction and demolition waste will be accepted onto the Site for treatment.

3.3. Hazardous waste will undergo some or all of the following treatment activities:

- Handpicking
- Screening
- Washing

3.4. Non-hazardous waste will undergo some or all of the following treatment activities:

- Handpicking
- Screening
- Washing
- Crushing
- Storage
- Blending
- CLO production

3.5. Non-hazardous waste types with more than 5% organic compounds will be used in CLO production.

3.6. Waste consisting of, but not limited to street cleaning residues, off specification compost and mineral waste, will be blended in storage bays and continuously dampened throughout the composting process to keep the material moist. This mixture is then left for composting over a period of at least five weeks.

3.7. Water used in the wash plant will be recruited and treated on Site in a closed loop system with flocculant being added to separate the hazardous properties.

3.8. Information, that must be obtained before waste is accepted on Site, is included in the Waste Pre-acceptance Procedure, see Appendix 4 Waste Pre-acceptance Procedure.

3.9. Waste accepted will be subject to strict waste acceptance procedures to ensure that only suitable wastes are accepted. A copy of the Waste Acceptance Procedure is included, see Appendix 5 Waste Acceptance Procedure.

3.10. Waste not permitted to be accepted under the Environmental Permit will be rejected in accordance with the Waste Rejection Procedure. A copy of the Waste Rejection Procedure is included, see Appendix 6 Waste Rejection Procedure.

3.11. Waste will be stored in accordance with the Waste Storage & Handling Procedure, see Appendix 7 Waste Storage & Handling Procedure.

**List of Waste Codes**

3.12. The proposed List of Waste Codes to be included in the Environmental Permit has been included, see Appendix 8 List of Waste Codes.

# 4. Environmental Risk

4.1. Environmental risk from the proposed waste activities has been considered in the following risk assessments.

**Environmental Risk Assessment**

4.2. An Environmental Risk Assessment has been produced and considers the risks associated with the proposed waste activities and their potential impact on local receptors including, population, watercourses, and protected sites, see Appendix 9 Environmental Risk Assessment.

**Site Condition Report**

4.3. A Site Condition Report has been produced in relation to the area of the proposed waste operation, see Appendix 10 Site Condition Report.

**Resource Efficiency & Climate Change Risk Assessment**

4.4. A Resource Efficiency & Climate Change Risk Assessment has been prepared to outline how the Site will minimise energy consumption and the risk of climate change on the proposed waste activities, see Appendix 11 Resource Efficiency & Climate Change Risk Assessment.

# 5. Operating Techniques

5.1. Waste will be accepted, stored, and treated in accordance with:

- JRC Science for Policy Report: Best Available Techniques (BAT) reference document for waste treatment, October 2018 (BREF).
- Commission implementing decision (EU) 2018/1147 of 10th August 2018 establishing Best Available Techniques (BAT) conclusions for waste treatment, under Directive 2010/75/EU of the European Parliament of the Council (BAT conclusions).
- Sector Guidance Note 5.06: Guidance for the Recovery & Disposal of Hazardous and Non-Hazardous Waste, 2013 (SGN 5.06).
- CAR-SOIL Control of Asbestos Regulations 2012 – Interpretation for managing and working with Asbestos in Soil and Construction and Demolition Materials.
- Guidance on the Classification and Assessment of Waste. Technical Guidance WM3.
- Chemical Waste: Appropriate Measures for Permitted Facilities, 18th November 2020.
- Non-hazardous and Inert Waste: Appropriate Measures for Permitted Facilities, 8th December 2022.

5.2. A detailed assessment of the proposed operating techniques with consideration of Best Available Techniques (BAT) has been produced, see Appendix 12 BAT Assessment Report.

5.3. The Site will be operated in accordance with the following management plans and systems.

**Environmental Management System**

5.4. The Site will be operated in accordance with an Environmental Management System (EMS) an EMS Summary has been provided which gives a description of the purpose and scope of the EMS, see Appendix 13 EMS Summary.

**Dust Management Plan**

5.5. A Dust Management Plan has been produced to support the permit application due to the potential risk of dust emissions from the proposed activities, see Appendix 14 Dust Management Plan.

**Nosie Management Plan**

5.6. The potential noise emissions caused by the proposed waste treatment activities has been assessed and a Nosie Management Plan (NMP) has been prepared which sets out how noise emissions will be mitigated and controlled, see Appendix 15 Noise Management Plan.

**Surface Water Management Plan**

5.7. A Surface Water Management Plan which outlines how surface water will be managed in relation to the proposed waste operations and Site layout, see Appendix 16 Surface Water Management

## Drawings

| | |
|---|---|
| Drawing No. 23/009c 001 | Permit Boundary Plan V1 |
| Drawing No. 23/009c 002 | Indicative Site Layout Plan V1 |
| Drawing No. 23/009c 003 | Sensitive Receptor Plan V1 |

Soil Treatment UK Limited

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Permit Boundary Plan

23/009c 001

Finmere Quarry and Landfill Site,
Cherwell District,
Oxfordshire,
MK18 4AJ.

Scale: 1:3,000

24th October 2023

Created by: EG
Checked by: TW

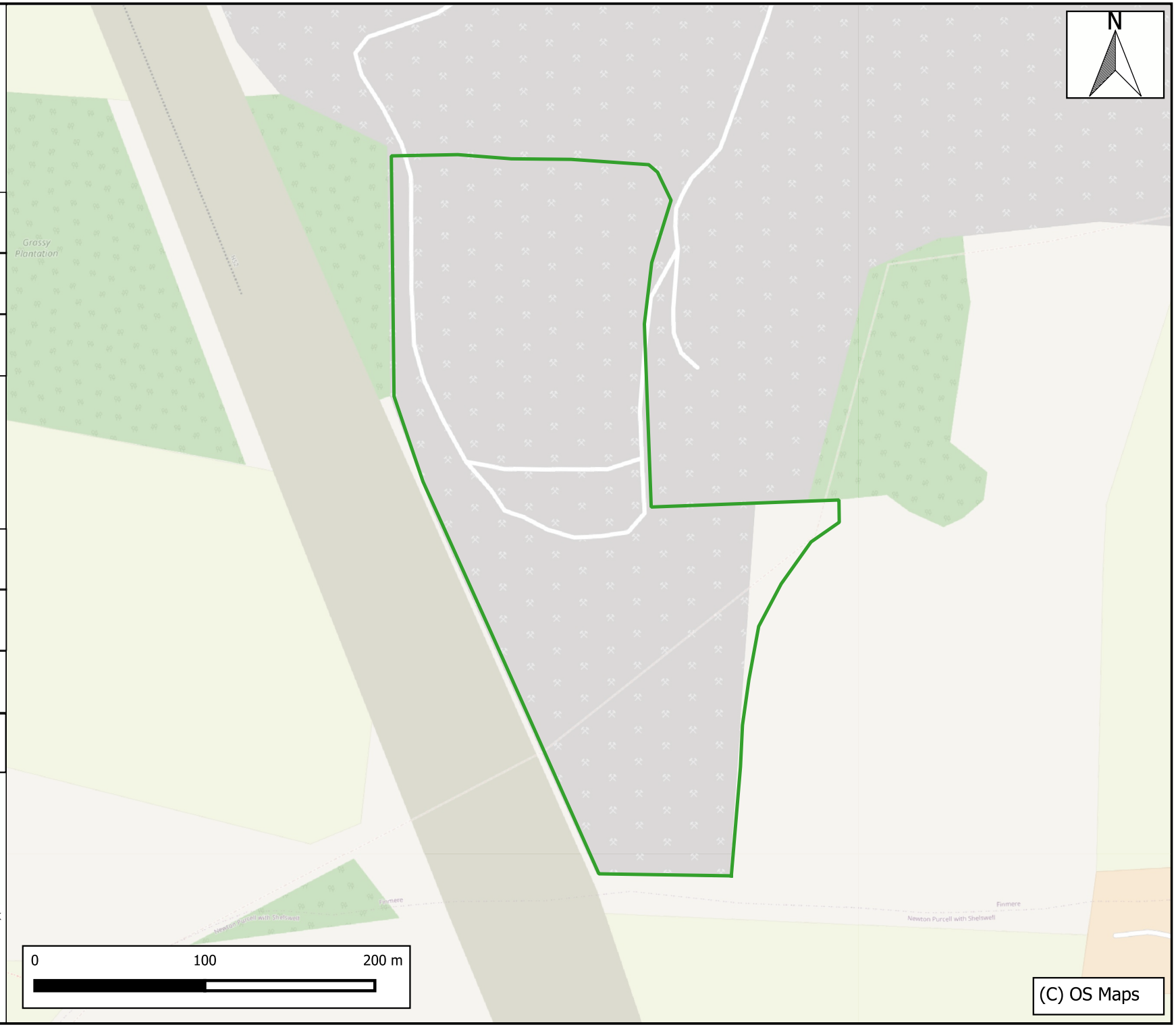
Permit boundary

WESTBURY ENVIRONMENTAL

T 01952 879705 E info@westburyenv.co.uk

A Agriculture House, Southwater Way
Telford, Shropshire, TF3 4NR

W www.westburyenv.co.uk



Soil Treatment UK Limited

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Site Layout Plan

23/009c 002

Finmere Quarry and Landfill,
Cherwell District,
Oxfordshire,
MK18 4AJ.

Scale: 1:2,500

24th October 2023

Created by: EG
Checked by: TW

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A Agriculture House, Southwater Way
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Soil Treatment UK Limited

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Sensitive Receptors Plan

23/009c 003

Finmere Quarry and Landfill,
Cherwell District,
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Scale: 1:13,000

24th October 2023

Created by: EG
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