

Project No: 311405

Non-Technical Summary (SED_NTS[BH])

Prepared for:

SED Services Limited

Landgate Farm
Landgate Lane
Bryn
Wigan
Lancs
WN4 0EJ

Contents Amendment Record

This report has been issued and amended as follows:

Revision	Description	Date	Signed
0.1	DRAFT	01 July 2022	Graeme Kennett
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1.0	FINAL	10 August 2022	Graeme Kennett



Mabbett & Associates Ltd, Corporate and Registered Office: 13 Henderson Road, Inverness, UK, IV1 1SN
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Acknowledgement

This report has been prepared for the sole and exclusive use of SED Services Ltd (SED) in accordance with the scope of work presented in Mabbett & Associates Ltd (Mabbett) Letter Agreement (M311405/LA/JF), dated 02 June 2022. This report is based on information and data collected by Mabbett. Should any of the information be incorrect, incomplete or subject to change, Mabbett may wish to revise the report accordingly.

This report has been prepared by the following Mabbett personnel:

MABBETT & ASSOCIATES LTD



Graeme Kennett, BSc (Hons)., MSc., MBPR (FACTS)
Principal Environmental Consultant

This report has been reviewed and approved by the following Mabbett personnel:

MABBETT & ASSOCIATES LTD



Dr. Dan Colby, PhD
Principal Environmental Consultant

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Section 1.0: Introduction

SED Services Limited, 'the operator'¹, has instructed Mabbett & Associates Ltd to prepare a permit variation application, under the Environmental Permitting (England and Wales) Regulations 2016 (as amended), for the Inert Recycling Site (IRS) at:

BRYN HALL RECYCLING SITE

Bryn Hall Farm
Bryn Gates Lane
Bamfurlong
WN2 5JY

Currently SED Services are permitted to operate waste operations described in standard rules SR2010 No.12 at the site. This variation seeks to;

1. Extend the permitted site boundary
2. Include an additional EWC code [19 12 12]
3. Increase the annual throughput from 75,000 to 250,000
4. There will also be a minor administrative change to the site name (as above)

Items 2 and 3 will vary the current Standard Rules permit to a 'bespoke' permit.

This Non-Technical Summary explains the application, in non-technical language as far as possible and using images where appropriate, to provide an overview of the proposed operation and its surroundings. This document should be read in conjunction with the rest of this application which also contains:

- Application Forms (submitted on-line)
- Supporting Information
- Operating Techniques Document
- Environmental Risk Assessment.

A more detailed explanation of the activity is provided in the accompanying documents along with a site-specific risk assessment. Information is also provided in the application concerning the key technical standards and control measures that will be used at the site to minimise the environmental risks identified in the risk assessment.

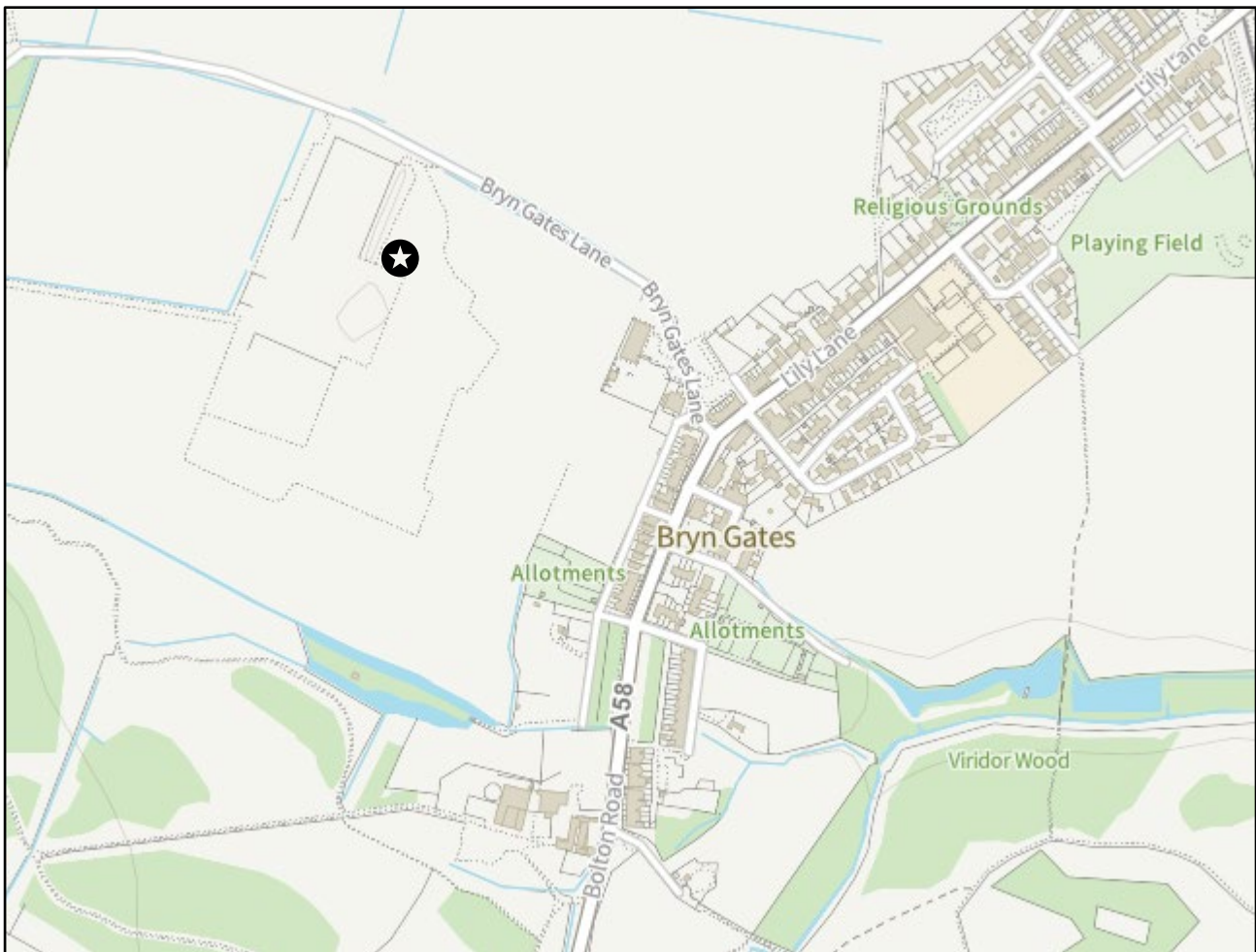
¹ [Legal operator and competence requirements: environmental permits - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

Section 2.0: About the Facility

2.1 The site

Bryn Hall Recycling Site, centred at Ordnance Survey grid reference SD 5922 0146, is positioned adjacent to the SED Services Limited Open Windrow Composting (OWC) installation in open countryside to the west of Bryn Gates and Bamfurlong settlements and is accessed via Bryn Gates Lane

Figure 1: Site plan illustrating the general location of the site



The site is surrounded by open farmland and is in a slightly elevated position to the south of the track. The site lies approximately 250 m to the west of the Police Station at Bryn Gates where Bryn Gates Lane adjoins the A58 Bolton Road.

Bryn Marsh and Ince Moss SSSI is situated approximately 780 m to the north of the site.

The site does not lie within a groundwater source protection area and there are no surface waters across the site.

The permitted activities are not carried out within 500 metres of a European Site (a candidate or Special Area of Conservation (cSAC or SAC) and proposed or Special Protection Area (pSPA or SPA), Ramsar site or a Site of Special Scientific Interest (SSSI) nor within a specified Air Quality Management Area (AQMA).

The permitted activities are not carried out within:

- 10 m of any watercourse;
- 50 m from any spring or well, or from any borehole not used to supply water for domestic or food production purposes; and
- 50 m from any well, spring or from any borehole used for the supply of water for human consumption, including private water supplies.
- 250 m within the presence of Great Crested Newts, where it is linked to the breeding ponds of the newts by good habitat.;
- 50 m of a site that has relevant species or habitats protected under the Biodiversity Action Plan that the Environment Agency considers at risk to this activity.;
- 50 m of a National Nature Reserve (NNR), Local Nature Reserves(LNR), Local Wildlife Site (LWS), Ancient Woodland or Scheduled Ancient Monument.

2.2 The operation

The current permit allows SED Services Limited ('the operator') to store waste at Bryn Hall Recycling Site and treat it to produce soil, soil substitutes and aggregate. The permitted wastes do not include hazardous wastes and it is proposed that the total quantity of waste that can be stored and subsequently treated at the site under the permit is increased from no more than 75,000 tonnes to 250,000 tonnes per year.

The recovery operations do not include the burning of any wastes, either in the open, inside buildings or in any form of incinerator.

Bryn Hall Recycling Site processes suitable incoming waste materials for, either;

1. Production of products, in line with the relevant Aggregate Quality Protocol (AQP), or
2. Despatched from site as a waste for use by third parties under a suitable exemption/waste management operation
3. As a material conforming to RPS190 [Use of manufactured topsoil: RPS 190 - GOV.UK](https://www.gov.uk/guidance/use-of-manufactured-topsoil-rps-190) (www.gov.uk)

Section 3.0: Summary of permitted waste types

3.1 Permitted waste types

Unless stated otherwise, all waste shall be stored and treated on an impermeable surface with a sealed drainage system.

The waste types, listed in Appendix A of this Non-Technical Summary, reflect those listed in Standard Rules permits SR2010_No12 (v6.0) with the proposed additional EWC code highlighted.

3.2 Additional waste type

It is proposed that the following additional waste type is included in the input waste list.

Table 1: Proposed additional waste type

19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF SITE WASTEWATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION / INDUSTRIAL WASTE
19 12	wastes from the mechanical treatment of wastes
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

Section 4.0: Proposed activities

Treatment will consist only of sorting, separation, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate.

The activities carried out at the site as defined under Annex II of the Waste Framework Directive can be summarised as follows:

Table 2: Proposed waste activities

Activity	Code
Blending	R3 - Recycling or reclamation of organic substances which are not used as solvents;
Crushing	R5 – Recycling or reclamation of other inorganic materials.
Screening	R5 – Recycling or reclamation of other inorganic materials.
Sorting	R5 – Recycling or reclamation of other inorganic materials.
Storage	R13 – storage of wastes pending any of the operations numbered R1 to R12.

4.1 Crushing

This will be carried out using a mobile crusher (example image below)

Figure 1: Extec c12



4.2 Screening/sorting

This will be carried out using screening equipment (example images below).

Figure 2: McCloskey 621 Trommel



Figure 3: McCloskey r155 screener



4.3 Handling equipment

Figure 4: Doosan 225 360 excavator



Figure 5: Doosan DL420 loading shovel



4.4 Storage (pre-treatment)

Prior to processing, the incoming waste materials will be stored within the permit boundary in designated storage areas. Waste shall be stored and treated on an impermeable surface with sealed drainage system.

4.5 Storage (post treatment)

After processing the recovered materials will be stored awaiting dispatch from site. Materials that are Aggregate Quality Protocol (AQP)² compliant do not need to be stored within the permit boundary.

4.6 Other equipment

4.6.1 Wheelwash

The site has an operational wheel wash to prevent the tracking of soil/mud off-site.

² The Resource Framework for Aggregates, that will replace the AQP, is currently under discussion.

Section 5.0: Operating techniques

5.1 Operating techniques.

The site will be operated in accordance with the Operating Techniques document which has been drafted to satisfy the requirements of EA Guidance, and details the following:

- management;
- site operations;
- emissions and monitoring; and
- information.

Operational management procedures will ensure that:

- the risks that the activities pose to the environment are identified;
- the measures that are required to minimise the risks are identified;
- the activities are managed in accordance with the management system and operating techniques document;
- performance against the management system is audited at regular intervals; and
- compliance with the environmental permit.

The risk management and mitigation measures employed at the site and identified in the environmental risk assessment are detailed in the sites operating techniques document.

In summary, the rules and operating procedures employed at the site will ensure the following with respect to the specified waste management activities:

Unless stated otherwise, all waste will be stored and treated on an impermeable surface with sealed drainage system.

Concrete surfacing falls towards drainage channels ensuring that potentially contaminated runoff is contained on site.

Strict waste acceptance procedures will be adhered to, to ensure only permitted wastes are accepted on site.

The site manager will ensure that regular inspections are made of the site. If necessary, remedial measures will be arranged as soon as possible.

Section 6.0: Impact on the Environment

An environmental risk assessment (ERA) has been carried out to assess the environmental risks posed by the proposed activity.

There are no point source emissions to land, air, surface or groundwater from the proposed facility.

Operational procedures at the site will monitor and manage amenity and accident risks from the proposed activities and includes provision for the monitoring of odour, noise, and fugitive emissions.

As the management measures detailed in the risk assessment will be in place at permit issue, the conclusion has been reached that the proposed waste materials and treatment activities, are unlikely to result in a significant accident risk or risk to the local environment, including from odour and noise, or pollution of surface or ground waters.

6.1 Drainage system

There are no point source emissions to land, air, surface water or groundwater from the proposed facility.

Drainage infrastructure is in place so that all potentially contaminated run-off is captured.

Run-off is directed via a drainage system, consisting of concrete impermeable pavement with falls towards concrete drainage channels. The drainage channels capture all liquids and direct them to a sealed, underground tank. ensuring that potentially contaminated runoff is contained on site.

Section 7.0: Site Management

Site management will comprise of the following staff members;

- A Technically Competent Manager (TCM); who will manage the operation and regularly attend site in compliance with the defined attendance requirement. Please see appendix D.
- A site supervisor; who will be responsible for the ongoing operation who may also undertake office and plant operation duties.
- Other trained plant operators as required.

Section 8.0: Site Condition Report

The Site Condition Report (SCR), produced as a part of the original SR2010_No12 permit application process, has been updated to account for this variation application.

The facility will continue to operate with due regard to the conditions of the environmental permit and all relevant environmental legislation to ensure that land and groundwater is protected during the lifetime of the site and that the land is in a satisfactory state when the permit is eventually surrendered.

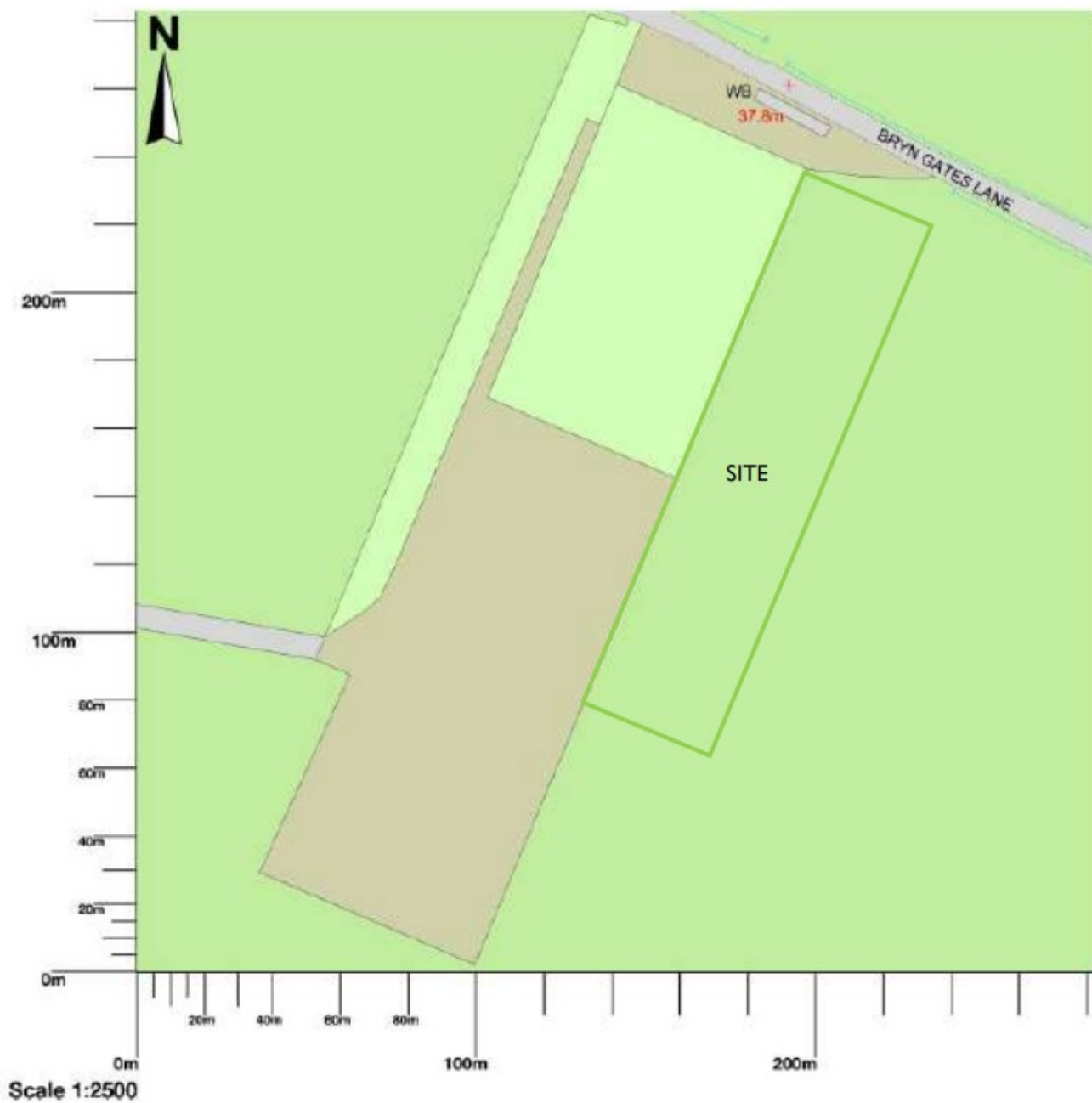
The possibility of any significant releases to the ground occurring during the lifetime of the permit is limited. Minor spillages, if they occur, are dealt with immediately by trained staff using appropriate spill response procedure and spill kits located around the site.

Appendix A: Proposed waste types

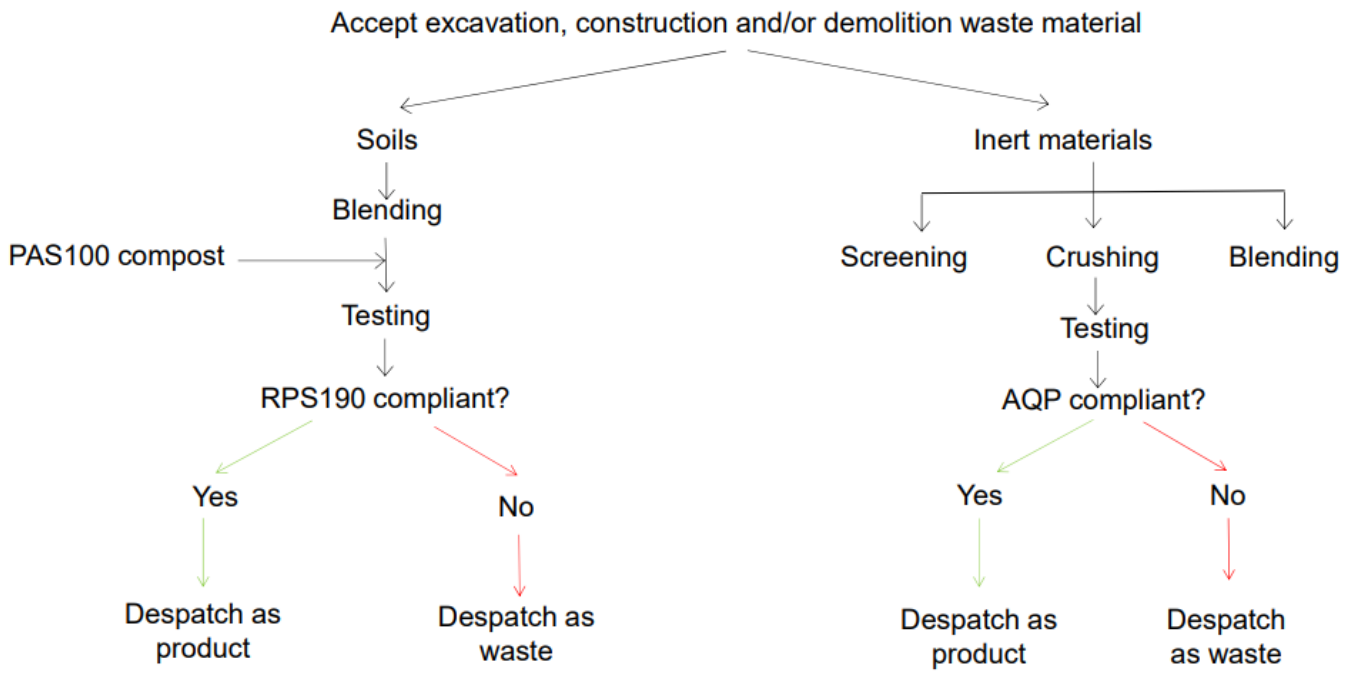
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 02	waste from preparation and processing of meat, fish and other foods of animal origin
02 02 02	shellfish shells from which the soft tissue or flesh has been removed only
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
10	WASTES FROM THERMAL PROCESSES
10 01	waste from power stations and other combustion plants
10 01 01	bottom ash and slag only
10 01 02	pulverised fuel ash only
10 01 05	gypsum (solid) only
10 01 07	gypsum (sludge) only
10 01 15	bottom ash and slag only from co-incineration other than those mentioned in 10 01 14
10 11	wastes from manufacture of glass and glass products
10 11 12	clean glass other than those mentioned in 10 11 11
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 13 14	waste concrete only
15	WASTE PACKAGING
15 01	packaging
15 01 07	clean glass only
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	Concrete, bricks, tiles and ceramics
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
17 02	Wood, glass and plastic
17 02 02	glass
17 03	Bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 08	gypsum based construction material
17 08 02	gypsum only other than that mentioned in 17 08 01
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF SITE WASTEWATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION / INDUSTRIAL WASTE
19 05	wastes from aerobic treatment of solid waste
19 05 03	compost from source segregated biodegradable waste only
19 08	wastes from wastewater treatment plants not otherwise specified
19 08 02	washed sewage grit (waste from desanding) free from sewage contamination only
19 08 99	stone filter media if free from sewage contamination only
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 12	wastes from the mechanical treatment of wastes
19 12 05	clean glass only
19 12 09	minerals (for example sand, stones)
19 12 12	treated bottom ash including IBA and slag other than that containing dangerous substances only
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 191211
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	garden and park wastes (including cemetery waste)
20 01 02	Clean glass only
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Appendix B: Permit boundary (extended)



Appendix C: Process flow



Appendix D: Technical Competence



Continuing Competence Certificate

This certificate confirms that

Deborah Baldwin

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 21/10/2020

TMNH	Treatment - Non Hazardous Waste
AC	Aerobic Composting
LS	Land Spreading

Expiry Date:
21/10/2022

Verification date: 02/10/2020

Authorised:

Learner ID: 18651

Certificate No.: 5170490

Date of Issue: 21/10/2020

A handwritten signature in black ink, appearing to read "A. Hickbus".

Director of Qualifications and Standards

A handwritten signature in black ink, appearing to read "Dew".

CIWM Chief Executive Officer



The Chartered Institution
of Wastes Management



00151881



WAMITAB

Waste Management Industry
Training and Advisory Board

Unit Certificate which forms part of a Vocationally Related Qualification

Units gained:

K5015482 Environmental impact of waste and resource management

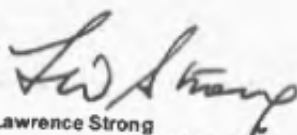
This Certificate is awarded to

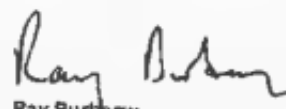
Debbie Baldwin

Awarded: 29/09/2010

Serial No: 18651/WRM3.1/1

Authorised


Lawrence Strong
Director General, WAMITAB


Ray Burberry
Qualifications Manager, WAMITAB



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The Qualifications
Regulator



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WAMITAB, Waste Management Industry Training and Advisory Board, Paterbridge House, 3 The Lakes, Northampton, NN4 7HE
Telephone: 01604 231950 Fax: 01604 232457 Email: info.admin@wamitab.org.uk Website: www.wamitab.org.uk



WAMITAB

Waste Management Industry
Training and Advisory Board

Unit Certificate which forms part of a Vocationally Related Qualification

Units gained:

- A5015485 Waste and resource management - policy and legislation
- L5015488 Permitting requirements and compliance in the waste and resource management industry
- R5015489 Health and safety in the waste and resource management industry
- J5015490 Technical aspects of managing waste and resources

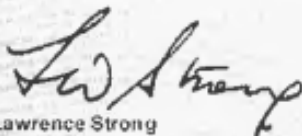
This Certificate is awarded to

Debbie Baldwin

Awarded: 14/01/2011

Serial No: 18651/WRM3 1/2

Authorised


Lawrence Strong
Director General, WAMITAB


Ray Burberry
Qualifications Manager, WAMITAB




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SEI
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WAMITAB, Waste Management Industry Training and Advisory Board, Peterbridge House, 3 The Lakes, Northampton, NN4 7HE
Telephone: 01604 231950 Fax: 01604 232457 Email: info.admin@wamitab.org.uk Website: www.wamitab.org.uk



WAMITAB

Waste Management Industry
Training and Advisory Board

Credit certificate

This certificate determines credit awarded to:

Debbie Baldwin

Units gained:

		Credit Value	Credit Level
A5028351	Environmental impact of Waste and Resources Management	1	3
F5028352	Waste and Resources Management Industry Regulatory Policy and Legislation	2	3
J5028353	Permitting Requirements and Compliance in the Waste and Resources Management Industry	2	3
L5028354	Health and Safety in the Waste and Resources Management Industry	2	3
R5028355	Technical aspects of Managing Wastes and Resources	2	3
D5028357	Biological Processing within the Wastes and Resources Management Industry	3	3

Awarded:

21/12/2011

Serial No:

18651/WRQ1/1

Authorised

Ray Burberry
Qualifications Manager, WAMITAB



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