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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Lawrence Landfill Limited

Lawrence Landfill Ltd
Dredgemans Hill
Johnston
Haverfordwest
Pembrokeshire
SA62 3NX

Permit number
EPR/LB3930AT

Lawrence Landfill Ltd

Permit number EPR/LB3930AT

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This Tier 3 bespoke permit allows:

- Use of waste in construction
- Inert & excavation waste transfer station with treatment
- Wood processing
- Dewatering of street sweepings/gully suckings; and
- Block aerobic composting

The maximum quantity of waste accepted shall not exceed 81,000 tonnes per year.

The main activities on site include the following:

Use of waste in construction

This permit allows the operator to store and use waste for the purposes of construction work. This activity is for recovery only and does not permit hazardous wastes. The activity meets the definition of recovery in accordance with RGN 13: Defining waste recovery – permanent deposit of waste on land. The activities shall not be carried out other than in accordance with the approved waste recovery plan. No more than 22,000 tonnes of Compost Like Output (CLO) will be used for the capping of a noise bund as approved in the waste recovery plan.

Inert & excavation WTS with treatment

The operator is permitted to accept non-hazardous inert and excavation waste to produce soil, soil substitutes and aggregates for use in construction. Hazardous wastes are not permitted.

The operator will be working towards the Quality Protocol for the production of aggregates from inert waste.

Wood processing

The operator is permitted to store and treat waste wood for recovery only. Permitted wastes do not include hazardous wastes. All storage and treatment will take place on hardstanding or an impermeable surface with sealed drainage.

Dewatering of street sweepings/gully suckings

The treatment of street sweepings and/or gully suckings will take place on an impermeable surface with sealed drainage. Treatment includes the dewatering of wastes by mechanical means only to produce a compost like output (CLO) to be used in the construction of a noise bund for the purposes of capping it only. There shall be no biological treatment of street sweepings and/or gully suckings. Hazardous wastes are not permitted. De-watering has not been considered under the Industrial Emissions Directive as the activity is occurring for recovery only. As such, no daily treatment capacity limits for this activity have been set in Table S1.1 of the permit.

Block aerobic composting

Green waste is permitted to be treated for composting only. Food waste is not permitted. The rectangular configuration must be turned regularly to prevent anaerobic conditions. Composting will take place on an impermeable surface which drains to a silt trap

The operator will be working to meet PAS 100 and the Quality Protocol for compost.

Relevant storage and treatment capacity thresholds have been included in the permit to reflect the legal waste facility operational limits; above which, the site would be operating as an Industrial Emissions Directive installation. (See Table S1.1 for relevant limits.)

There shall be no point source emissions to water, air or land except;

- from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- clean, rainfall dependant drainage from areas of the site not used in connection with the storage and/or treatment of waste, and
- integral discharge(s) from the permitted activity (outside areas of the site used in connection with the storage and/or treatment of waste) in accordance with the limits set out in Table S1.1.

All emissions from the activity which are not controlled via actual emission limits, are controlled through the 'emission of substances not controlled by emission limits condition' and all relevant process requirements set out in Tables S1.1 and S1.2.

The burning of any wastes, either in the open, inside buildings or in any form of incinerator is not permitted.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Permit issued EPR/LB3930AT/A001	13/06/13	Tier 2 standard rule permit consisting of rule set SR2010No12 issued to Lawrence Landfill Limited.

Status log of the permit		
Description	Date	Comments
Variation application EPR/LB3930AT/V002	Duly Made 10/04/15	Normal variation to increase the site boundary and include additional activities.
Additional Information received in response to a schedule 5 notice sent 05/05/15	03/06/15	Cross-section drawings and calculations for the use of waste in construction activity.
Additional information received in response to a schedule 5 notice sent 06/06/15	12/07/15	Updated site plan and details regarding the inert & excavation processing facility, the composting activity, wood processing activity and road sweepings activity.
Additional information received in response to a schedule 5 notice sent 06/06/15	12/07/15	Email confirming proposed water treatment system.
Additional information received in response to a schedule 5 notice sent 20/08/15	29/09/15	Email confirming no more than 6000 tonnes of compost to be accepted annually. Block aerobic composting will be the treatment method. Sanitisation and stabilisation process with proposed sealed drainage.
Permit determined EPR/LB3930AT	20/10/15	Updated and consolidated Tier 3 bespoke permit issued to Lawrence Landfill Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/LB3930AT

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Lawrence Landfill Limited (“the operator”),

whose registered office is

Halfway House
Pope Hill
Johnston
Haverfordwest
Pembrokeshire
SA62 3NX

company registration number **5424208**

to operate waste operations at

Lawrence Landfill Ltd
Dredgemans Hill
Johnston
Haverfordwest
Pembrokeshire
SA62 3NX

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Holly Noble	20/10/2015

Authorised on behalf of Natural Resources Wales

Conditions

Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances [, closure] and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.
- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table(s) S2.1 [, S2.2 etc]; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.4 Pre-operational conditions

- 2.4.1 The operations specified in schedule 1 table S1.3 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.5 Pests

- 3.5.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.5.2 The operator shall:
- (a) if notified by Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural resources Wales.

3.6 Monitoring

- 3.6.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1;
 - (b) process monitoring specified in table S3.2;
 - (c) bioaerosol monitoring specified in table S3.3.

- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 [,S3.3 etc.] unless otherwise agreed in writing by Natural Resources Wales.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 Natural Resources Wales shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;

- (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
Where the operator is a registered company:
 - (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
 Where the operator is a corporate body other than a registered company:
 - (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- 4.3.5 In any other case:
 - (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.6 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
 - (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities		
	Description of activities for waste operations	Limits of activities
A1 Use of waste in construction	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Secure storage of and use of wastes as listed in Table S2.1 for the purposes of construction work as detailed in the approved waste recovery plan.
	R3: Recycling/reclamation of organic substances which are not used as solvents	The activities shall not be carried out other than in accordance with the approved waste recovery plan.
	R5: Recycling/reclamation of other inorganic compounds	No more than 22,000 tonnes of Compost Like Output (CLO) will be used for the capping of the noise bund as approved in the waste recovery plan.
A2 Inert & excavation waste transfer station	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment consisting of manual and mechanical <ul style="list-style-type: none"> • sorting • separation • segregation • screening • blending • crushing of waste into different components for recovery
	R3: Recycling/reclamation of organic substances which are not used as solvents	
	R5: Recycling/reclamation of other inorganic compounds	All storage and treatment will take place on hard standing or impermeable surface with sealed drainage.
Wastes as listed in Table S2.2		
A3 Wood processing	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment consisting of <ul style="list-style-type: none"> • sorting • separation • cutting • pulverising • shredding • chipping of waste wood for recovery
	R3: Recycling/reclamation of organic substances which are not used as solvents	All storage and treatment will take place on hard standing or impermeable surface with sealed drainage.
Wastes as listed in Table S2.3		

A4 Road sweeping & gully waste dewatering activity	<p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic compounds</p>	<p>Treatment consisting of manual and/ or mechanical</p> <ul style="list-style-type: none"> dewatering of wastes only for recovery <p>All storage and treatment will take place on an impermeable surface with drainage to ground via the site's integral drainage system.</p> <p>Wastes as listed in Table S2.4</p>
A5 Biological treatment (Block Aerobic Composting)	<p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p>	<p>All non-hazardous waste must be stored and treated on an impermeable surface with sealed drainage.</p> <p>Treatment operations, prior to and/or post biological treatment, shall be limited to manual and/or mechanical:</p> <ul style="list-style-type: none"> sorting and/or separation shredding and/or chipping screening bulking up <p>Biological treatment operations shall be limited to:</p> <ul style="list-style-type: none"> aerobic composting in open windrows stabilisation/maturation <p>The storage, physical treatment and composting of wastes under anaerobic conditions shall be prevented.</p> <p>Each composting batch shall undergo an identifiable sanitisation and stabilisation stage.</p> <p>There shall be no more than 500 tonnes of biodegradable waste on site at any one time.</p> <p>The total quantities of wastes undergoing biological treatment at the whole site shall not exceed 75 tonnes per day.</p>
Wastes as listed in Table S2.5		

Drainage:	<p>Discharge of integral site drainage (process effluent) from emission point reference SM 93551 12511.</p> <p>The concrete pad drainage system consists of a drainage channel to a silt trap, to a bespoke interceptor (12m x 3m) via a lime bed filter system before being discharged to ground via a reed bed system.</p>	<p>Drainage consisting solely of:</p> <ul style="list-style-type: none"> - clean, rainfall dependant drainage from areas of the site not used in connection with the storage and/or treatment of waste - run-off from the impermeable surface from external areas of the site used to store and/or treat waste. <p>No visible oil or grease shall be present in the discharge.</p>
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Table S1.2 Operating techniques

Description	Parts	Date Received
Technical Guidance Document: 'How to comply with your environmental permit'	All relevant sections	N/A
Guidance on the evaluation of bioaerosol risk assessment s for composting facilities	All	N/A
The Composting Industry Code of Practice (AfOR)	All	N/A
Industry guide for prevention and control of odours at biowaste processing facilities (AfOR)	All	N/A
Quality Protocol for Composting (WRAP & Environment Agency)	All	N/A
Quality Protocol for aggregates from inert waste	All	N/A
Standardised protocol for the monitoring of bioaerosols at open composting facilities (AfOR).	All	N/A
PPG3 – Choosing and using oil separators: prevent pollution	All	N/A
Process Description, Management and Controls	All	29/04/15
Odour Management Plan	All	29/04/15

Table S1.2 Operating techniques

Description	Parts	Date Received
Additional Information received in response to a schedule 5 notice sent 05/05/15	Cross-section drawings and calculations for the use of waste in construction activity.	03/06/15
Additional information received in response to a second schedule 5 notice sent on 06/06/15	Updated site plan and details regarding the inert & excavation processing facility, the composting activity, wood processing activity and road sweepings activity. Confirmation the drainage on site will be via a silt trap to an interceptor, draining to a reed bed system before discharging to ground.	12/07/15
Additional information received in response to a third schedule 5 Notice sent on 20/08/15	Email confirming no more than 6000 tonnes of compost to be accepted annually. Block aerobic composting will be the treatment method. Sanitisation and stabilisation process with proposed sealed drainage.	29/09/15
Additional information in response to a request for further information sent on 15/07/15	Approved (30/07/15) waste recovery plan v2 with EWC amendments	28/07/15

Table S1.3 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
FP01	Block aerobic composting	No composting operations shall commence until a qualitative site specific bioaerosol risk assessment has been submitted and agreed in writing with Natural Resources Wales.
FP02		No composting operations shall commence until a methodology for the block aerobic composting has been submitted and agreed in writing with Natural Resources Wales.
FP03		Only 500 tonnes of biodegradable waste may be stored on site at any one time. This limit may be removed once the site specific bioaerosol risk assessment demonstrates that appropriate measures are in place to control bioaerosols to an acceptable level at the nearby sensitive receptors and agreed in writing by Natural Resources Wales.

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for the use of waste in construction (Activity A1)

Maximum quantity	No more than 22,000 tonnes of compost like output (CLO)
Exclusions	Notwithstanding the waste types permitted any wastes which have any of the following characteristics shall not be accepted; <ul style="list-style-type: none"> • hazardous wastes • consisting solely or mainly of dusts, powders or loose fibres • wastes in liquid form
Waste code	Description
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01

Table S2.2 Permitted waste types and quantities for inert and excavation WTS (Activity A2)

Maximum quantity	The total quantity of waste accepted at the whole site shall not exceed 81,000 tonnes a year
Exclusions	Notwithstanding the waste types permitted any wastes which have any of the following characteristics shall not be accepted; <ul style="list-style-type: none"> • hazardous wastes • consisting solely or mainly of dusts, powders or loose fibres • wastes in liquid form
Waste code	Description
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 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 07	wastes from forestry
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
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 08	track ballast other than those mentioned in 17 05 07
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Table S2.3 Permitted waste types and quantities for wood processing (Activity A3)

Maximum quantity	The total quantity of waste accepted at the whole site shall not exceed 81,000 tonnes a year
Exclusions	Notwithstanding the waste types permitted any wastes which have any of the following characteristics shall not be accepted; <ul style="list-style-type: none"> • hazardous wastes • consisting solely or mainly of dusts, powders or loose fibres • wastes in liquid form
Waste code	Description
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 07	wastes from forestry
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 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 03	wooden packaging
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than that mentioned in 19 12 06
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 38	wood other than that mentioned in 20 01 37
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste

Table S2.4 Permitted waste types and quantities for road sweeping & gully waste dewatering activity (Activity A4)

Maximum quantity	The total quantity of waste accepted at the whole site shall not exceed 81,000 tonnes a year
Exclusions	Notwithstanding the waste types permitted any wastes which have any of the following characteristics shall not be accepted; <ul style="list-style-type: none"> • hazardous wastes • consisting solely or mainly of dusts, powders or loose fibres • wastes which are odour producing or likely to be odorous
Waste code	Description
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 03	other municipal wastes
20 03 03	street cleaning residues

Table S2.5 Permitted waste types and quantities for block aerobic composting (Activity A5)

Maximum quantity	The total quantity of waste accepted at the whole site shall not exceed 81,000 tonnes a year
Exclusions	Notwithstanding the waste types permitted any wastes which have any of the following characteristics shall not be accepted; <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations ; • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres • Hazardous wastes • Wastes containing treated wood • Wastes containing wood-preserving agents or other biocides • Wastes containing persistent organic pollutants • Wastes containing Japanese Knotweed • Wastes that are in a form of liquid
Waste code	Description
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 07	wastes from forestry (consisting of biodegradable 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 01 05	Sawdust, shavings, wood, particle board and veneer other than those containing dangerous substances other than 03 01 04 (excluding veneers and/or preservatives)
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 10	fibre rejects (not containing hazardous substances)
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste) (not containing non-biodegradable veneers or plastics)
15 01 03	wooden packaging (consisting of untreated only)
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood (consisting of untreated only)
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 05	wastes from the aerobic treatment of solid wastes
19 05 03	off-specification compost (only from a process operated according to PAS 100 and QP requirements or another approved standard)
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than wood containing dangerous substances
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	Separately collected fractions (except 150 01)

20 01 38	Wood (other than wood containing dangerous substances) from separately collected fractions of municipal wastes (household waste and similar commercial, industrial and institutional wastes)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste (consisting of plant matter only)

Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency
Interceptor discharge point - SM 93551 12511	No visible oil or grease	Class 1 interceptor	No limit set	-	Weekly/after heavy rainfall or as agreed in writing with Natural Resources Wales
Reed beds	No visible oil or grease	Water treatment system	No limit set	-	Weekly/after heavy rainfall or as agreed in writing with Natural Resources Wales

Table S3.2 Process monitoring requirements for open windrow composting (Activity A5)

Monitoring point	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
Internal for each block and for any sample of waste or compost	Temperature	None specified	Thermocouple probe	Monitoring equipment shall be available on-site and used as required to ensure compliance with this permit.
	Moisture	None specified	Moisture meter or moisture touch test	

Table S3.3 Bioaerosol monitoring requirements for open windrow composting (Activity A5)

Location or description of point of measurement	Parameter	Bioaerosol threshold limits CFU m ⁻³	Monitoring frequency	Monitoring standard or method	Other specifications
At a minimum of three separate locations, as described in the Industry Standard Protocol	Gram-negative bacteria	300	Quarterly	In accordance with the Industry Standard Protocol, and, for gram-negative bacteria, together with Environment Agency's "Guidance on the evaluation of bioaerosol risk assessments for composting facilities"	As described in the Industry Standard Protocol, including all the additional data requirements specified therein.
	Total Bacteria	1000			
	Aspergillus Fumigatus	500			

Schedule 4 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data

Parameter	Reporting period	Period begins
Bioaerosol monitoring as required by condition 3.6.1(c)	Every 4 months or as agreed in writing by Natural Resources Wales	1 January, 1 May, 1 September

Table S4.2 Reporting forms

Media/parameter	Reporting format
Bioaerosol monitoring	As specified in the Industry Standard Protocol or other form as agreed in writing by Natural Resources Wales

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by Natural Resources Wales under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“bioaerosol threshold limits” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the composting operations, which are attributable to the composting operations. The maximum acceptable concentrations are respectively 300, 1000 and 500 CFU m⁻³ for gram-negative bacteria, total bacteria and *Aspergillus fumigatus*.

“compost” means solid particulate material that is the result of composting, which has been *sanitised* and *stabilised*, and which confers beneficial effects when added to soil, used as a component of growing media or used in another way in conjunction with plants.

“composting” means the biological decomposition of organic materials, under conditions that are predominantly aerobic and that allow the development of thermophilic temperatures as a result of biologically produced heat.

“emissions to land” includes emissions to groundwater.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“groundwater protection zones 1 and 2” have the meaning given in the document titled Groundwater Protection: Policy and Practice” published by the Environment Agency in 2006.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“hazardous waste” has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended).

“Industry Standard Protocol” means “A standardised protocol for the monitoring of bioaerosols at open composting facilities” published by the Association for Organics Recycling and developed in conjunction with the Environment Agency

“maturation” means a stage when by agitating and turning the compost it no longer results in reheating and the monitored temperature falls to ambient without the compost being too dry or anaerobic.

Phytotoxins that are formed during the 'active' composting phase are metabolised by micro-organisms, which will result in the final material not being harmful to plants. This usually coincides with drop in pH toward neutral, and the conversion of ammonia into nitrates and recolonisation of beneficial micro-organisms. The maturation phase may need active management by turning to prevent the material becoming anaerobic.

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"nearest sensitive receptor" means the nearest place to the permitted activities where people are likely to be for prolonged periods. This term would therefore apply to dwellings (including any associated gardens) and to many types of workplace. We would not normally regard a place where people are likely to be present for less than 6 hours at one time as being a sensitive receptor. The term does not apply to those controlling the permitted facility, their staff when they are at work or to visitors to the facility as their health is covered by Health and Safety at Work legislation. NB The term would apply to dwellings occupied by the family of those controlling the permitted facility.

"Pests" means Birds, Vermin and Insects.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

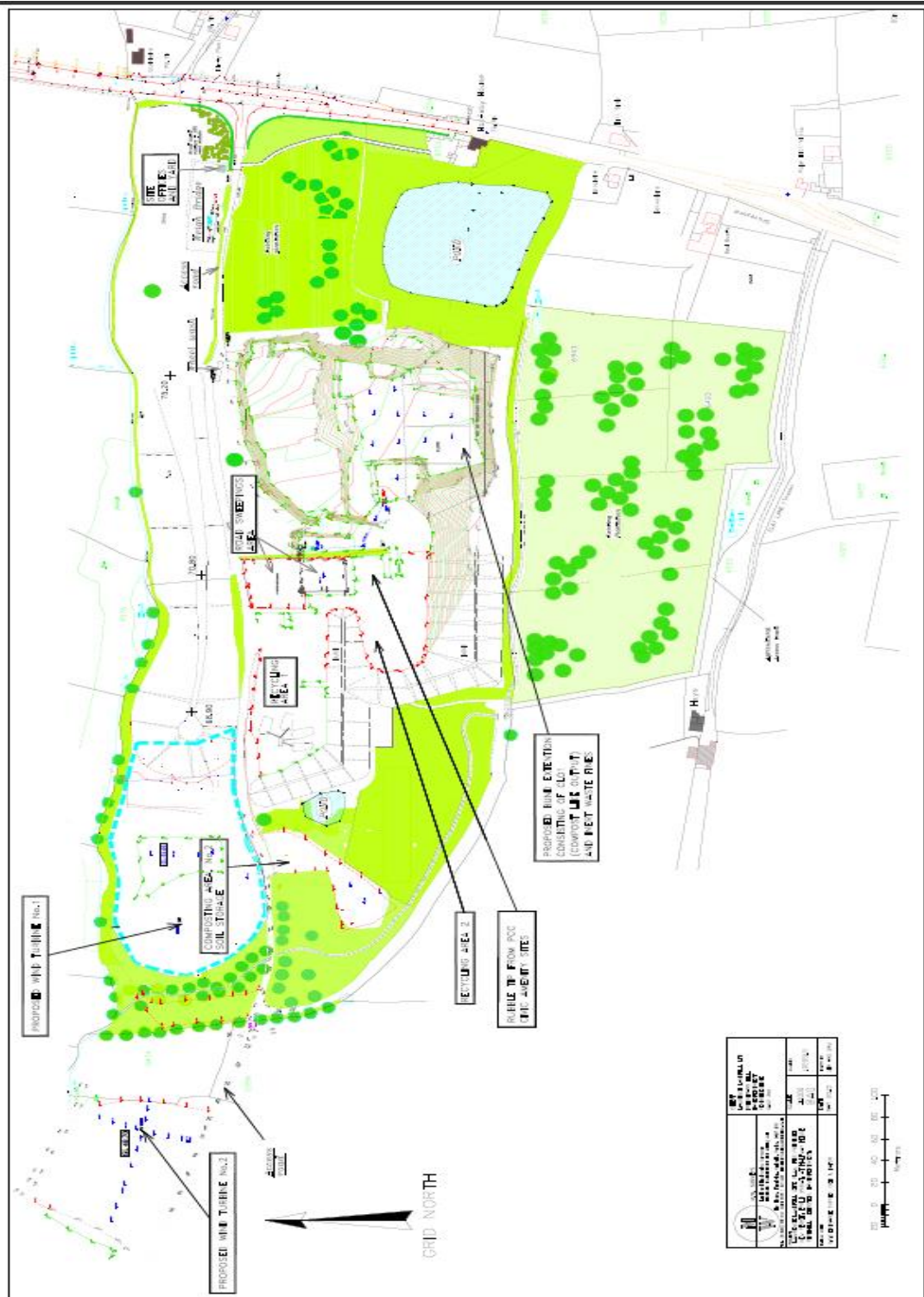
"R" means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

"waste code" means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the 'List of Wastes Decision') and in relation to hazardous waste, includes the asterisk.

"Waste Framework Directive" or "WFD" means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

"year" means calendar year ending 31 December.

Schedule 7 - Site plan



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END OF PERMIT