

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

The Maltings Organic Treatment Limited
The Maltings Organic Treatment Facility
Turpin Lane
Common Lane
South Milford
North Yorkshire
LS25 5FP

Variation application number

EPR/FP3090SZ/V006

Permit number

EPR/FP3090SZ

The Maltings Organic Treatment Facility

Permit number EPR/FP3090SZ

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

This variation adds open windrow composting activity (green waste and non-Animal By-Products Regulated (non-ABPR) food waste); additional non-hazardous organic wastes to the mechanical, biological treatment (MBT) and in-vessel composting (IVC) processes; provision for external maturation of compost like outputs (CLOs); pre-treatment of gypsum waste and post-blending with matured compost and CLO.

The waste activities which are classified under IED as Newly Prescribed Activities have been updated to listed activities, due to the capacity available on site to carry out these processes.

The permit is now an installations permit with directly associated activities as described in table S1.1.

The liquid waste treatment operation will no longer take hazardous waste.

The main features of the permit are:

IVC operations: treatment of non-hazardous waste, taking place inside a building. The activity includes pre-treatment, sanitisation, stabilisation and maturation for recovery.

Open windrow composting: pre-treatment, sanitisation, stabilisation and maturation of green wastes and non- ABPR regulated wastes for recovery.

Liquid waste treatment operations: treatment of non-hazardous liquid wastes. Treatment activities will be limited to settlement, screening, aeration, forced aeration and filtration for recovery or disposal.

MBT operations: consisting of manual sorting and separation, shredding, blending, screening of specified waste for composting in closed vessels to produce CLO for recovery. There is also manual sorting and separation, shredding, blending, screening of specified waste for composting in closed vessels for the purpose of disposal.

This permit does not allow any emission into surface waters or groundwater except:

- clean water from roofs and parts of the site not used for waste activity including storage of wastes, and
- a surface water discharge from the liquid waste treatment activity (in line with the conditions set out in table S1.1 and the limits in Schedule 3).

This permit does not permit the burning of any materials on site.

The schedules specify the changes made to the permit.

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
Application received	Duly made 20/11/09	Application for in vessel composting facility.
Permit determined EAWML 101238	04/04/10	Permit issued to The Maltings Organic Treatment Limited.
Application received	Duly made 23/08/10	Application to increase site boundary and add EWC codes
Variation issued EPR/FP3090SZ/V002	05/11/10	Varied permit issued
Application received EPR/FP3090SZ/V003	Duly made 04/07/11	Application to add liquid waste treatment operation and mechanical biological treatment, additional waste types and throughput for the new activities, change of facility name and site boundary increase.
Variation determined EPR/FP3090SZ/V003	22/02/12	Varied and consolidated permit issued in modern condition format.
Application received EPR/FP3090SZ/V004	Duly made 23/07/12	Application to increase site boundary
Variation determined EPR/FP3090SZ/V004	03/09/12	Varied permit issued
Variation EPR/FP3090SZ/V005	24/04/13	Generated as a pre-application reference; full application not submitted.
Application received EPR/FP3090SZ/V006 (variation and consolidation)	Duly made 29/10/14	Application to add open windrow composting, additional waste types, allow external maturation and treatment of gypsum waste, update the waste activities subject to IED.
Additional information received	08/12/14; 15/01/15	
Variation determined EPR/FP3090SZ/V006 [Billing ref:RP3635WY]	06/02/15	Permit consolidated and updated to modern conditions.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/FP3090SZ

Issued to

The Maltings Organic Treatment Limited (“the operator”)

whose registered office is

**Turpin Lane
Common Lane
South Milford
North Yorkshire
LS25 5FP**

company registration number 06807146

to operate a regulated facility at

The Maltings Organic Treatment Facility

**Turpin Lane
Common Lane
South Milford
North Yorkshire
LS25 5FP**

to the extent set out in the schedules.

The notice shall take effect from 06 February 2015.

Name	Date
Anne Nightingale	06 February 2015

Authorised on behalf of the Environment Agency

Schedule 1

All conditions were varied as a result of the application made by the operator:

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/FP3090SZ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3090SZ/V006 authorising,

The Maltings Organic Treatment Limited (“the operator”),

whose registered office is

**Turpin Lane
Common Lane
South Milford
North Yorkshire
LS25 5FP**

company registration number 06807146

to operate an installation and waste operations at

**The Maltings Organic Treatment Facility
Turpin Lane
Common Lane
South Milford
North Yorkshire
LS25 5FP**

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

Name	Date
Anne Nightingale	06 February 2015

Authorised on behalf of the Environment Agency

Conditions

1 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 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 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.

- 1.4.2 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").
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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 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 the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency 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 the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5 and S2.6; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A 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, S3.3 and S3.4.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

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 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 the Environment Agency, 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 the Environment Agency, 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 the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency 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 the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) Point source emission to air in table S3.1;
 - (b) bioaerosols specified in table S3.2;
 - (c) point source emissions specified in table S3.3;
 - (d) surface water specified in table S3.4;
 - (e) process monitoring specified in table S3.5.
- 3.5.2 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.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 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, S3.3, S3.4 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 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.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 the Environment Agency, 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 the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency 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 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

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 the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency 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.

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.

4.3.5 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) the Environment Agency 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.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

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 "immediately" in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1 In-Vessel Composting (Lines 3 & 4)	Section 5.4 Part A(1)(b) recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day, involving: (i) biological treatment	R3: Recycling/ reclamation of organic substances, which are not used as solvents.	<p>Treatment consisting of sanitisation, stabilisation and maturation in an enclosed vessel, unless otherwise stated below; involving manual sorting and separation, shredding, blending and screening.</p> <p>Composting and maturation of wastes under anaerobic conditions shall be prevented, or where that is not practicable, minimised.</p> <p>Green waste, non-ABP food wastes, wood waste may be subject to pre-treatment externally on areas with impermeable surfaces and sealed drainage.</p> <p>Treatment shall take place: - in a building operated at negative pressure with an odour abatement system, and - on an impermeable surface with a sealed drainage system.</p> <p>Stabilisation / maturation of sanitised compost may take place externally on areas with impermeable surfaces and sealed drainage.</p> <p>No more than 10 tonnes per day of animal waste to be treated.</p> <p>Waste types as permitted by table: S2.2 and specific waste descriptions where applicable.</p>
A2 Open windrow Composting	Section 5.4 Part A(1)(b) recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day, involving:	R3: Recycling/ reclamation of organic substances, which are not used as solvents.	Treatment consisting of sanitisation, stabilisation and maturation involving manual sorting and separation, shredding, blending and screening.

	(i) biological treatment		<p>Green waste, non-ABP food wastes, wood waste may be stored and subject to pre - treatment externally on areas with impermeable surfaces and sealed drainage.</p> <p>No more than 10 tonnes per day of animal waste to be treated.</p> <p>Waste types as permitted by table S2.3 and specific waste descriptions where applicable.</p>
A3 Liquid Waste Treatment	Section 5.7 Part A(1)(a) independently operated treatment of waste water not covered by Directive 91/27/EEC and discharged by an installation carrying out any other Part A(1) or A(2) activity.	<p>Physico-chemical treatment of non-hazardous waste waters from on-site and off-site sources pending recovery or disposal.</p> <p>R3: Recycling/ reclamation of organic substances, which are not used as solvents.</p> <p>D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D01 to D12.</p>	<p>Treatment operations shall be limited to:</p> <ol style="list-style-type: none"> 1. settlement / separation 2. screening 3. aeration 4. forced aeration 5. filtration <p>of non-hazardous liquid waste for the purposes of recovery or disposal.</p> <p>Waste types as permitted by table S2.4 and specific waste descriptions where applicable.</p> <p>All waste shall be treated in tanks or enclosed vessels within a building with an impermeable surface and sealed drainage system.</p>
A4 Mechanical Biological Treatment – for the production of a recoverable output (clean process). (Line 2)	Section 5.4 Part A(1)(b) recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day, involving: (i) biological treatment	<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 materials</p>	<p>Treatment consisting of sanitisation, stabilisation and maturation involving manual sorting and separation, mechanical maceration, shredding, blending and screening to produce compost like output (CLO).</p> <p>Green waste, non-ABP food wastes, wood waste may be stored and subject to pre - treatment externally on areas with impermeable surfaces and sealed drainage.</p> <p>Sanitisation of waste shall take place in enclosed vessels, in a building operated at negative pressure with an odour abatement system, on an impermeable surface with sealed drainage.</p> <p>Stabilisation and maturation may be carried out externally</p>

			<p>on areas with impermeable surfaces and sealed drainage.</p> <p>No more than 10 tonnes per day of animal waste to be treated.</p> <p>Waste types as permitted by table S2.5 and specific waste descriptions where applicable.</p>
<p>A5 Mechanical Biological Treatment – for the production of a material only suitable for disposal (dirty process). (Line 1)</p>	<p>Section 5.4 Part A(1)(a) disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day, involving: (i) biological treatment</p>	<p>D8: Biological treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D01 to D12</p>	<p>Treatment consisting of sanitisation, stabilisation and maturation involving manual sorting and separation, mechanical maceration, shredding, blending and screening for disposal.</p> <p>Sanitisation of waste shall take place in enclosed vessels, in a building operated at negative pressure with an odour abatement system, on an impermeable surface with sealed drainage.</p> <p>Stabilisation and maturation may be carried out externally on areas with impermeable surfaces and sealed drainage.</p> <p>No more than 10 tonnes per day of animal waste to be treated.</p> <p>Waste types as permitted by table S2.6, and specific waste descriptions where applicable.</p>
Directly Associated Activity			
<p>A6</p>	<p>Storage of wastes</p>	<p>Storage of un-treated non-hazardous waste</p>	<p>Temporary storage of non-hazardous waste pending treatment.</p> <p>The storage of wastes likely to give rise to odours shall take place:</p> <ul style="list-style-type: none"> - in a building operated at negative pressure with an odour abatement system, and - on an impermeable surface with a sealed drainage system. <p>Green waste, non-ABP food wastes, and wood waste may be stored externally on areas with impermeable surfaces and sealed drainage.</p> <p>The storage of wastes under anaerobic conditions shall be prevented, or where that is not</p>

			<p>practicable, minimised.</p> <p>Wastes likely to give rise to odours during storage shall be processed within 48 hours of receipt at the site.</p>
A7	Mechanical treatment of waste (pre-treatment)	Mechanical treatment of non-source segregated non-hazardous waste	In-vessel mechanical maceration, gravitation, separation and / or drying of wastes
A8	Collection and storage of contaminated surface water, leachates and process waters	Collection and storage of contaminated surface water, leachates from storage and treatment areas and MBT/IVC process effluents pending reuse, treatment on-site, or tankered from site.	<p>Temporary storage of contaminated surface water from storage and treatment areas, and process effluents from MBT/IVC activities pending reuse in these activities, or transfer to the on-site liquid waste treatment facility or tankered from site.</p> <p>Storage of all non-hazardous liquid wastes prior to treatment shall be in storage tanks on a concrete impermeable surface with sealed drainage.</p> <p>All storage and treatment tanks/ enclosed vessels shall be double skinned or banded as necessary to provide the level of containment appropriate to the waste.</p> <p>All storage and treatment tanks/ enclosed vessels shall be situated within a secondary containment system.</p> <p>The secondary containment system shall have a capacity of not less than 110% of the container's storage capacity or if there is more than one container within the system, of not less than 110 % of the largest container's storage capacity or 25% of their aggregate storage capacity, whichever is the greater</p>
A9	Discharge of treated waste waters	The discharge of treated waste water to controlled waters	<p>Discharge of treated waste waters to surface water</p> <p>Drainage consisting solely of</p> <ul style="list-style-type: none"> - clean, rainfall dependant drainage from areas of the site used in connection with the storage or treatment of waste - treated water from the liquid waste treatment process <p>in accordance with the</p>

			<p>emission limits set out in Schedule 3 of this permit.</p> <p>Discharge from Discharge and Sample Point 3 grid reference SE 50574 31343 as indicated in the plan in Schedule 7 of this permit at:</p> <ul style="list-style-type: none"> - a maximum rate of 205m³/ day, and - a maximum flow rate of 2.4 litres/ second.
A10	Fuel storage	Storage of fuel for operation of plant and equipment.	fuel storage to use in the operation of plant.

Table S1.2 Operating techniques		
Description	Parts	Date Received
How to comply with your Environmental Permit	All	N/A
Response to further information request (for the original permit application).	Determination queries response 2.3.9, 2.3.14, 3.6.4, 6.2.2.	19/02/10
	Odour Management Plan	
	Odour Risk Assessment	
	Bioaerosol Risk Assessment Appendix 1	
The Maltings Organic Treatment Limited, Supporting Documents December 2011 (reference MS1010/2/01Rev2)	Updated management plan parts:	12/12/11
	Section 2.1.7 (liquid waste pre acceptance, acceptance)	
	Section 2.1.8 (unacceptable waste management)	
	Section 2.1.10 (infrastructure)	
	Section 2.1.11 (infrastructure)	
	Section 2.1.13 (operational waste acceptance)	
	Section 2.1.14 (liquid waste treatment process)	
	Section 2.1.15 (treatment of heavily contaminated waste)	
	Section 2.1.16 (liquid waste treatment process and infrastructure)	
	Section 2.1.17 (liquid waste treatment operations and sampling)	
	Section 2.1.18 (control of heavily contaminated liquids and managing the liquid waste treatment operations legal limit)	
	Section 2.1.19 (managing unsuitable waste)	
	Section 2.1.20 (discharge process and discharge lagoons)	
	Section 2.1.21 (mechanical biological treatment operations)	
	Section 2.1.22 (mechanical biological waste treatment operations waste acceptance)	
Section 2.1.23 (waste acceptance)		
Section 2.1.25 (mechanical biological waste treatment operations flow)		

	Section 2.1.26 (mechanical biological waste treatment operations flow)	
	Section 2.1.27 (mechanical biological waste treatment operations)	
	Section 2.1.28 (mechanical biological treatment process flow)	
	Section 2.1.30 (mechanical biological treatment operations)	
	Section 2.1.31 (mechanical biological treatment operations, inorganic waste management)	
	Section 2.1.32 (mechanical biological treatment operations maintenance.)	
	Section 2.1.33 (maintenance)	
Pollution Prevention Guidance 2 - Above ground Oil Storage tanks	All	N/A
Pollution Prevention Guidance 26 Storage and handling of drums and intermediate bulk containers	All	N/A
Sector Guidance Note IPPC (Integrated Pollution Prevention Control) S5.06- Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste	All	N/A
Variation Application EPR/FP3090SZ/V006	Application form Part C3 section 3a and supporting statement M01005/02; updated OMP.	29/10/14
Variation Application EPR/FP3090SZ/V006	Schedule 5 response; updated SSBRA.	08/12/14

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IP1	-	Completed
IP2	-	Completed

Table S1.4A Pre-operational measures

Reference	Pre-operational measures
PO1	At least 2 weeks before operation the operator shall submit a report identifying the background level of bioaerosols at the monitoring points identified in table S4.1. The method used for the background monitoring shall be the same as that specified in table S4.1
PO2	A construction quality assurance (CQA) plan for the installation of the liquid waste treatment plant, including storage tanks, shall be sent to the Environment Agency for written approval, at least two weeks before the operator intends to start the liquid waste treatment activity. All liquid waste treatment activities shall not commence until the Environment Agency has approved the relevant construction quality assurance (CQA) plan in writing.
PO3	At least two weeks before the liquid waste treatment and mechanical, biological waste treatment operations commence, the operator shall submit details of all planned works (Including maintenance arrangements) relating to protection of boreholes 2/27/24/118 and the pond situated within the permitted

	<p>area to the Environment Agency, for written approval.</p> <p>Liquid waste treatment and mechanical, biological waste treatment operations shall not commence until the Environment Agency has approved details of the planned works in writing.</p>
PO4	<p>At least two weeks before the liquid waste treatment operations commence, the operator shall submit a report detailing the baseline conditions for the receiving water for the trade effluent discharge from Discharge Point 1 grid reference SE 50574 31343 as referenced in the site plan in Schedule 7 of this permit.</p> <p>Discharge of process liquids from the liquid waste treatment operation shall not commence until the Environment Agency has approved the information in writing.</p>
PO5	<p>Prior to the installation of an odour abatement system the Operator shall provide a report demonstrating that the system will be appropriate to manage odour.</p> <p>An updated Odour Management Plan must also be submitted.</p>

Schedule 2 - Waste types, raw materials and fuels

Raw materials and fuel description	Specification
-	-

Maximum quantity	Total annual throughput shall not exceed 70,000 tonnes per annum for this activity.
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 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 99	spent mushroom compost and fully biodegradable bedding only
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning (biodegradable only)
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
02 07 99	wastes not otherwise specified (malt husks, malt sprouts, yeast and yeast-like residues 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, 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
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 01	wastes from the leather and fur industry
04 01 01	fleshings and lime split wastes
04 02	wastes from the textile industry
04 02 10	organic matter from natural products (for example grease, wax)
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging (compostable plastics only)
15 01 03	wooden packaging
15 01 05	composite packaging (biodegradable organic packaging only)
15 01 09	textile packaging (made entirely from biodegradable fibres only)
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 06	organic wastes other than those mentioned in 16 03 05
16 10	aqueous liquid wastes destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood
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 (from inland waters only)
17 08	gypsum-based construction material
17 08 02 ¹	gypsum-based construction materials other than those mentioned in 17 08 01 ¹
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 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes (waste types listed in table S2.2 only)
19 02 06	sludges from physico / chemical treatment other than those mentioned in 19 02 05 (only if derived solely from physical treatment and/or pH adjustment of waste input types listed in table S2.2)
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 05 99	wastes not otherwise specified (liquor, leachate from a composting process that accepts waste input types listed in table S2.2 only.)
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	waste from waste water treatment plants
19 08 05	sludges from treatment of urban waste water

19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 07	wood other than that mentioned in 19 12 06
19 12 09	minerals (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (and only including waste types listed in Table S2.2)
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 01	paper and cardboard
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics (compostable plastics only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
NOTE ¹ : waste code 17 08 02 is restricted to post-treatment blending with compost-like outputs	

Table S2.3 Permitted waste types and quantities for Activity A2 Open windrow composting	
Maximum quantity	Total annual throughput shall not exceed 15,000 tonnes per annum for this activity.
Exclusions	Waste consisting solely or mainly of dusts (except saw dust), powders or loose fibres; Catering waste and other wastes containing animal by-products covered by the Animal By-Products Regulations (except 02 01 06); Hazardous waste; Waste containing treated wood; Waste containing wood-preserving agents or other biocides; Waste containing Persistent Organic Pollutants (POPs) Waste containing Japanese Knotweed
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 06	animal faeces, urine and manure (including spoiled straw) only
02 01 07	wastes from forestry (biodegradable only)
02 01 99	spent mushroom compost and fully biodegradable bedding only
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 04	materials unsuitable for consumption or processing (biodegradable only)
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials (biodegradable only)
02 07 02	wastes from spirits distillation (biodegradable only)
02 07 04	materials unsuitable for consumption or processing (biodegradable only)
02 07 99	wastes not otherwise specified (malt husks, malt sprouts, yeast and yeast-like residues 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, cuttings, wood, and particle board other than those mentioned in 03 01 04 only
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 10	organic matter from natural products (undyed and untreated only)
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging (excluding veneers, plastic coatings or laminates)
15 01 03	wooden packaging
15 01 05	composite packaging (only biodegradable organic packaging)
15 01 09	textile packaging (made entirely from biodegradable fibres only)
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood
17 05	soil (excluding excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil other than those mentioned in 17 05 05 (from inland waters only)
17 08	gypsum-based construction material

17 08 02 ¹	gypsum-based construction materials other than those mentioned in 17 08 01 ¹
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 02	wastes from physico/chemical treatments of wastes (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes (waste types listed within this table S2.3 only)
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost (from a composting process that accepts waste input types listed within this table S2.3 only)
19 08	waste from waste water treatment plants
19 08 05	sludges from treatment of urban waste water
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard (excluding veneers or plastic coatings)
19 12 07	wood other than that mentioned in 19 12 06
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (and only including waste types listed within this table S2.3)
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 01	paper and cardboard (excluding veneers or plastic coatings)
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics (compostable plastics only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste (plant matter only)
20 03	other municipal wastes
20 03 02	waste from markets (biodegradable only)
NOTE ¹ : waste code 17 08 02 is restricted to post-treatment blending with compost	

Table S2.4 Permitted waste types and quantities for Activity A3 liquid waste treatment	
Maximum quantity	Total annual throughput shall not exceed 70,000 tonnes per annum for this activity.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 10	aqueous liquid wastes destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
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 02	wastes from physico/chemical treatment of waste (including dechromatation, decyanidation, neutralisation)
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 99	non-hazardous aqueous liquid wastes and contaminated surface waters from physico/chemical treatment activities
19 05	wastes from aerobic treatment of solid waste
19 05 99	non-hazardous aqueous liquid wastes and contaminated surface waters from aerobic treatment activities
19 06	wastes from anaerobic treatment of waste
19 06 99	non-hazardous aqueous liquid wastes and contaminated surface waters from anaerobic treatment activities
19 13	wastes from soil and groundwater remediation
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
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 Activity A4 mechanical, biological treatment activities which produce a compost like output (clean process IVC line 2)	
Maximum quantity	Total annual throughput shall not exceed 60,000 tonnes per annum for this activity.
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 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 05	sludges from on-site effluent treatment
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, veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 05	de-inking sludges from paper recycling (consisting of de-inked paper sludge and de inked paper pulp from paper recycling only)
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 10	organic matter from natural products (for example grease, wax)
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)

15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 09	textile packaging
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 06	organic wastes other than those mentioned in 16 03 05
16 10	aqueous liquid waste destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01 (consisting of non-hazardous high water based aqueous liquids, food wash down water, cleaning tanks and catchments from food processing only)
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil other than that mentioned in 17 05 05
17 08	gypsum based construction material
17 08 02 ¹	gypsum-based construction materials other than those mentioned in 17 08 01
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 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 01	solid waste from primary filtration and screenings
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
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (consisting of high organic trommel and food shredder materials only)
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 01	paper and cardboard
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 02	garden and park wastes (including cemetery waste)

20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
NOTE ¹ : waste code 17 08 02 is restricted to post-treatment blending with compost-like outputs	

Table S2.6 Permitted waste types and quantities for Activity A5 mechanical, biological treatment activities for the purpose of disposal (dirty process – IVC line 1)

Maximum quantity Total annual throughput shall not exceed 10,000 tonnes per annum for this activity.

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 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 05	sludges from on-site effluent treatment
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 03	wastes from pulp, paper and cardboard production and processing
03 03 05	de-inking sludges from paper recycling
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	wastes from the textile industry
04 02 10	organic matter from natural products (for example grease, wax)
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15

08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 09	textile packaging
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03	off-specification batches and unused products
16 03 06	organic wastes other than those mentioned in 16 03 05
16 10	aqueous liquid wastes destined for off-site treatment
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil including vegetation other than that mentioned in 17 05 05
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
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 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	Screenings
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 01	solid waste from primary filtration and screenings
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 from mechanical treatment
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 01	paper and cardboard
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37

20 01 39	plastics
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
A1 as shown on site plan	-	Odour abatement system	-	None	None	None

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 the 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			

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Sample Point 1 at the second stage treatment testing tank specified as Sample point 1 in Drawing M01005/5/03	pH	Liquid waste treatment process	6 to 9	Continuous	Each time the second stage treatment testing tank is full and before it is discharged into the water balancing tank	In accordance with the Environment Agency technical guidance note M18 – monitoring discharges to water and sewer.
	Ammoniacal nitrogen (expressed as N)		0.6mg/l			
	chloride		250mg/l annual average			
	ATU-BOD as O ₂		5mg/l			
	COD		30mg/l O ₂			
	Suspended solids (measured after drying at 105 °C)		25mg/l			
	Cadmium		0.15 ug/l dissolved – Annual Average with			

			a Maximum Annual Concentration of 0.9 ug/l			
	Chromium VI		3.4 ug/l maximum dissolved			
	Chromium III		4.7 ug/l maximum dissolved			
	Copper		10 ug/l maximum dissolved			
	Nickel		20 ug/l maximum dissolved			
	Lead		7.2 ug/l maximum dissolved			
	Zinc		75 ug/l total maximum			
	Arsenic		50 ug/l maximum dissolved			
	Mercury		0.1 ug/l maximum dissolved			
	Selenium		10 ug/l total			
	No visible oil and grease		no significant trace found			
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Sample Point 2 at the tested water balancing tank specified as Sample Point 2 testing water balancing tank in Drawing M01005/5/03	pH	Liquid waste treatment process	6 to 9	Continuous	Each time the tested water balancing tank is full and before it is discharged into the holding lagoon ready for the discharge	In accordance with the Environment Agency technical guidance note M18 – monitoring discharges to water and sewer.
	Ammoniacal nitrogen (expressed as N)		0.6mg/l			
	chloride		250mg/l annual average			
	ATU-BOD as O2		5mg/l			
	Maximum daily discharge volume		205m3/day maximum flow rate of 8.5m3/hr			MCERTS self-monitoring of effluent flow scheme
	COD		30mg/l O ₂			
	Suspended solids (measured after drying at 105oC)		No limit set			
	Cadmium		0.15 ug/l dissolved – AA with a MAC of 0.9			

			ug/l			
	Chromium VI		3.4 ug/l maximum dissolved			
	Chromium III		4.7 ug/l maximum dissolved			
	Copper		10 ug/l maximum dissolved			
	Nickel		20 ug/l maximum dissolved			
	Lead		7.2 ug/l maximum dissolved			
	Zinc		75 ug/l total maximum			
	Arsenic		50 ug/l maximum dissolved			
	Mercury		0.1 ug/l maximum dissolved			
	Selenium		10 ug/l total			
	No visible oil and grease		no significant trace found			
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Sample Point 3 at the discharge point specified as Discharge and Sample Point 3 (SW1) in Schedule 7 Site map	pH	Liquid waste treatment process effluent discharge	6 to 9	Continuous	Each discharge	In accordance with Environment Agency technical guidance note M18 – monitoring discharges to water and sewer
	Ammoniacal nitrogen (expressed as N)		0.6mg/l			
	chloride		250mg/l annual average			
	ATU-BOD as O2		5mg/l			
	Maximum daily discharge volume		205m3/day maximum flow rate of 8.5m3/hr			
	COD		30mg/l O ₂			MCERTS self-monitoring of effluent flow scheme
	Suspended solids (measured after drying at 105oC)		No limit set			In accordance with Environment Agency technical guidance note M18 – monitoring discharges to water and sewer
	Cadmium		0.15 ug/l dissolved – AA with a MAC of 0.9 ug/l			
	Chromium		3.4 ug/l			

	VI		maximum dissolved			
	Chromium III		4.7 ug/l maximum dissolved			
	Copper		10 ug/l maximum dissolved			
	Nickel		20 ug/l maximum dissolved			
	Lead		7.2 ug/l maximum dissolved			
	Zinc		75 ug/l total maximum			
	Arsenic		50 ug/l maximum dissolved			
	Mercury		0.1 ug/l maximum dissolved			
	Selenium		10 ug/l total			
	No visible oil and grease		no significant trace found			

Table S3.4 Surface water monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
As agreed in writing with the Environment Agency SWMP 1 at grid reference SE 51272 31415	Invertebrate kick sampling	Monthly	Environment Agency Ecology Sampling Manual BT001	None

Table S3.5 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Internal for each enclosed vessel during sanitisation. (Lines 1 – 4)	Temperature	Continuous	Thermocouple probe	None.
	Moisture	None specified	-	
Internal for each open windrow during sanitisation and stabilisation stages	Temperature	At least daily during sanitisation; at least weekly during stabilisation	Thermocouple probe	None.
	Moisture	None specified	-	
Biofilter (where installed)	Temperature, moisture and thatching/ compaction	Daily	Thermocouple probe, moisture meter and touch test	None.

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	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1	Every 3 months	04/05/10
Process Monitoring Parameters as required by condition 3.5.1	-	As required	04/05/10
Bioaerosol Monitoring	At a minimum of three separate locations, as described in the Industry Standard Protocol	Quarterly	-
Water Quality Monitoring Parameters specified by condition 3.1.1 and 3.1.2	SP1, SP2, SP3	Monthly	23/02/12
Surface water monitoring Parameters specified by condition 3.5	SP1, SP2, SP3	Monthly	23/02/12

Table S4.2: Annual production/treatment	
Parameter	Units
IVC material produced for recovery	tonnes
Open windrow material produced for recovery	tonnes
MBT material produced for recovery	tonnes
MBT material produced for disposal	tonnes
Liquid effluent treated for recovery	m ³
Liquid effluent treated for disposal	m ³

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	23/02/12
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	23/02/12
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	06/02/15
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	06/02/15
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	06/02/15

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

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 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 the Environment Agency 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 bio aerosol 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*,

“Building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“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.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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 or background concentration 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 waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“Industry Standard Protocol” means “A standardised protocol for the monitoring of bio aerosols 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 receptors” means the nearest place to the composting operations where people are likely to be for prolonged or frequent periods. This term would therefore apply to dwellings (including any associated gardens) and to workplaces where workers would frequently be present. It does not apply to the operators of composting facilities or their staff while carrying out the composting operation as their health is covered by Health and Safety legislation.

“Quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

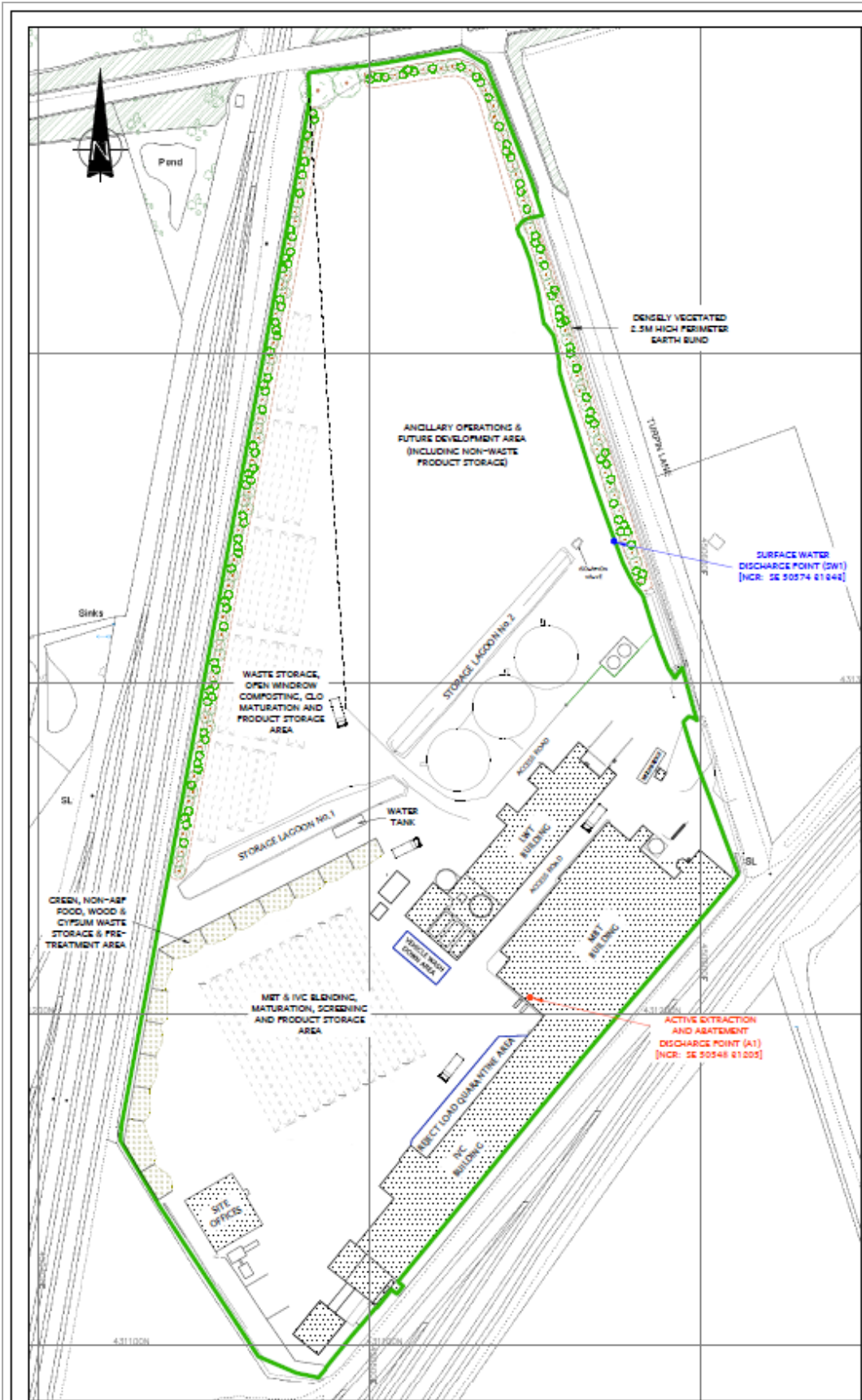
“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on Waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, 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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