

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

AmeyCespa (East) Limited
Waterbeach Waste Management Park
Ely Road
Waterbeach
Cambridge
CB25 9PG

Variation application number

EPR/LP3593LM/V006

Permit number

EPR/LP3593LM

Waterbeach Waste Management Park

Permit number EPR/LP3593LM

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. All the conditions of the permit have been varied and are subject to the right of appeal.

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for “existing facilities operating newly prescribed activities” and completes the transition of part of this facility from a waste operation to an IED Installation.

The site comprises a Household, Commercial and Industrial (HCI) waste transfer station (WTS) with treatment, in-vessel composting (IVC) and open windrows composting (OWC). The IVC and OWC are now installations following changes under IED.

The waste transfer station receives wastes primarily as residual outputs from an MBT activity, bulky waste, skip loads and independent trader waste. Some of the waste is destined directly for landfill. These are removed daily. Other waste eg. construction and demolition waste requires limited picking to remove recyclable materials prior to landfilling of the residual waste. The waste transfer station does not undertake treatment of waste prior to landfilling and the trammel line has been removed from the site.

The IVC and OWC are located within a larger Waste Management Park which is located adjacent to the A10 road approximately 5 miles north of Cambridge. The IVC accepts and composts kerbside collected source separated material comprising garden waste, kitchen waste, paper and cardboard, and waste from restaurants and catering establishments. The OWC accepts and composts tree and shrub pruning, leaves, grass clippings and similar waste.

The primary purpose of both activities is to accept the above wastes under the Cambridgeshire Waste PFI Contract. The daily treatment capacity of the IVC and open windrows activities is 400t/day but this is a peak flow usually only achieved during summer months.

The principal releases to the environment are potentially bioaerosols and odorous emissions from the composting processes. The site is not located in a residential area. Nearby sensitive receptors include several field drains adjacent to the facility including Car Dyke which is located to the west of the site, and people working in adjacent facilities eg. the depot located to the south east of the site.

All direct run off and leachate from surrounding the vessels and the maturation pad is collected in a tank and tankered off site for disposal. Rain water from roofs is directly discharged to the lagoon without the use of an interceptor.

There is a discharge consent which consists solely of trade effluent consisting of balanced, settled and treated (aerated) site drainage from areas involving skip content and aggregate recycling, concrete batching and composting.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Waste Management Licence EA WML 100400	Duly made 04/04/2008	Application for Composting in Closed Vessels; Composting in Open Windrows; Household, Commercial and Industrial Waste Transfer Station with Treatment
Permit determined	19/06/2008	Original permit issued to Donarbon Limited
EPR number allocated EPR/LP3593LM		29/03/2010
Application received EPR/LP3593LM/V002	16/12/2011	Application to vary, change the company name and registered office address and to add an additional waste code
Notified of change of facility name	06/03/2012	Facility name changed to AmeyCespa Waste Management Park
Variation issued EPR/EP3593LM/V003	14/03/2012	Varied permit issued to AmeyCespa
Application received EPR/EP3593LM/V004	Returned 06/01/2014	Not an administrative variation. Application returned.
Application received EPR/LP3593LM/V005	Duly made 27/02/2014	Application to add new waste codes to permit
Variation issued EPR/LP3593LM/V005	15/05/2014	Varied permit issued
Application received EPR/LP3593LM/V006	Duly made 16/09/2014	Application to vary and update the permit to modern conditions in accordance with IED.
Variation determined EPR/LP3593LM/V006 (Billing ref:LP3032WY)	20/04/2016	Varied and consolidated permit issued in modern condition format.

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/LP3593LM

Issued to

AmeyCespa (East) Limited (“the operator”)

whose registered office is

**The Sherard Building
Edmund Halley Road
Oxford
OX4 4DQ**

company registration number 00958007

to operate a regulated facility at

**Waterbeach Waste Management Park
Ely Road
Waterbeach
Cambridge
CB25 9PG**

to the extent set out in the schedules.

The notice shall take effect from 20/04/2016

Name	Date
Rebecca Warren	20/04/2016

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit 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/LP3593LM

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/LP3593LM/V006 authorising,

AmeyCespa (**East**) **Limited** (“the operator”),

whose registered office is

The Sherard Building
Edmund Halley Road
Oxford
OX4 4DQ

company registration number 00958007

to operate an installation at

Waterbeach Waste Management Park
Ely Road
Waterbeach
Cambridge
CB25 9PG

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

Name	Date
Rebecca Warren	20/04/2016

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 For the following activities referenced in schedule 1, table S1.1 (A1 to A11) 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A11) 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").

2.2 The site

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

2.3 Operating techniques

- 2.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A11), 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 and S2.4; 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 WEEE storage

- 2.4.1 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.
- 2.4.2 WEEE shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.

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.
- 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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency 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 the Environment Agency.
- 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 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.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 emissions specified in table S3.1;
 - (b) process monitoring specified in table S3.3;
 - (c) bioaerosols monitoring specified in table S3.4.
- 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 table S3.1 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.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.
- 3.7.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
 - (b) implement the fire prevention 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A11), 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 For the following activities referenced in schedule 1, table S1.1 (A12), the Environment Agency 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.
- 4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.5 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.
- 4.3.6 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:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:

- (e) the death of any of the named operators (where the operator consists of more than one named individual);
- (f) any change in the operator's name(s) or address(es); and
- (g) 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.

4.3.7 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.

4.3.8 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A11), 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.

4.4.3 For the following activities referenced in schedule 1, table S1.1 (A12), 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			
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 (IVC)	S5.4 A(1) (b) (i) Recovery or a mix of recovery and disposal of non hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	<p>From receipt of waste through to composting and recovery of by-products.</p> <p>Composting of waste under aerobic conditions in closed composting reactors or in closed vessels/buildings fitted with appropriate odour abatement.</p> <p>Maturation of waste under aerobic conditions in closed composting reactors or in closed vessels/buildings fitted with appropriate odour abatement or in outdoor turned windrows.</p> <p>Composting and maturation must take place on an impermeable surface with a sealed drainage system.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
A2 Open windrow composting (OWC)	S5.4 A(1) (b) (i) Recovery or a mix of recovery and disposal of non hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	<p>From receipt of waste through to composting and recovery of by-products.</p> <p>Composting of waste under aerobic conditions in outdoor turned windrows on impermeable surface with sealed drainage system.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
Directly Associated Activity			
A3 DAA to A1 (IVC)	Storage of waste pending recovery	R13: Storage of waste pending the R3 operation (excluding temporary storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Storage of waste in a well-ventilated building on an impermeable surface with a sealed drainage system.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>

Table S1.1 Activities			
	Directly Associated Activity		
A4 DAA to A1 (IVC)	Physical treatment for the purposes of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Treatment of waste and processed compost in an enclosed building and on an impermeable surface with a sealed drainage system.</p> <p>Treatment of waste prior to composting including shredding and screening.</p> <p>Treatment of processed compost including screening to remove contraries.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
A5 DAA to A1 (IVC)	Compost storage	Storage of processed compost on an impermeable surface.	From the receipt of processed compost produced at the facility to despatch for use off-site.
A6 DAA to A2 (OWC)	Storage of waste pending recovery	R13: Storage of waste pending the R3 operation (excluding temporary storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for composting or despatch off site for recovery and/or disposal.</p> <p>Storage of waste on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
A7 DAA to A2 (OWC)	Physical treatment for the purpose of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Treatment of waste and processed compost on an impermeable surface with a sealed drainage system.</p> <p>Treatment of waste prior to composting including shredding and screening.</p> <p>Treatment of processed compost including screening to remove contraries.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
A8 DAA to A2 (OWC)	Compost storage	Storage of processed compost on an impermeable surface.	From the receipt of processed compost produced at the facility to despatch for use off-site.
A9	Raw material storage	Storage of raw materials	From the receipt of raw materials to despatch for use within the facility.

Table S1.1 Activities			
A10	Process water collection and storage	Collection and storage of compost liquor/leachate in dedicated storage tank.	From the receipt of compost leachate produced at the facility to despatch for treatment at the facility or despatch off site for recovery or disposal.
A11	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in a clay-lined storage lagoon.	From the collection of uncontaminated roof and site surface water from non operational areas only to re-use within the facility or discharge off-site.
Activity Reference	Description of activities for waste operations		Limits of activities
A12 Household, commercial and industrial waste transfer station with treatment	<p>Treatment of non-hazardous waste for the purpose of recovery or disposal</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>R11: Use of waste obtained from any of the operations numbered R1 to R10</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced)</p> <p>D9: Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg. evaporation, drying, calcinations, etc.)</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p>		<p>Treatment consisting only of manual sorting, separation, screening, baling, shredding, crushing or compaction of non-hazardous or inert waste into different components for disposal, (no more than 50 tonnes per day) or recovery.</p> <p>Non-hazardous waste must be stored and treated on an impermeable surface with sealed drainage.</p> <p>Inert waste must be stored and treated on hard standing or on an impermeable surface with sealed drainage.</p> <p>There shall be no treatment in shredders of non hazardous metal waste, including WEEE and ELVs and their components.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.4.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The operating techniques contained within the operators original permit application documentation and any additional documentation addressing operating techniques contained in any subsequent variation application documentation, where applicable.	18/03/08

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
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Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
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 (inc spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
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
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionary industry
02 06 01	materials unsuitable for consumption or processing
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 04	materials unsuitable for consumption or processing
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

Table S2.2 Permitted waste types and quantities for in-vessel composting	
Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
Waste code	Description
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
04	Wastes from the leather and fur industry
04 02	wastes from the textile industry
04 02 10	organic matter from natural products (for example grease, wax)
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
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 03	wooden packaging
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood
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 03	off-specification compost
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
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

Table S2.2 Permitted waste types and quantities for in-vessel composting	
Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
Waste code	Description
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 02	waste from markets

Table S2.3 Permitted waste types and quantities for open windrow composting	
Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06); • wastes that are in a form which is liquid; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
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 (inc spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
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
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet

Table S2.3 Permitted waste types and quantities for open windrow composting	
Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	<p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06); • wastes that are in a form which is liquid; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
Waste code	Description
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 form pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
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 03	wooden packaging
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood
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 03	off-specification compost
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
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 38	wood other than that mentioned in 20 01 37

Table S2.3 Permitted waste types and quantities for open windrow composting	
Maximum quantity	Annual throughput shall not exceed 110,000 tonnes for both A1 and A2 Activities combined.
Exclusions	<p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; • catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06); • wastes that are in a form which is liquid; • wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; • hazardous wastes
Waste code	Description
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 02	waste from markets

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes.
Exclusions	<p>Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics</p> <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
01	Waste resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 01	wastes from mineral excavation
01 01 01	waste from mineral metalliferous excavation
01 01 02	waste from mineral non-metalliferous excavation
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
01 04 12	tailing and other wastes from washing and cleaning other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
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 04	waste plastics (except packaging)
02 01 10	waste metal

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
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
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting paper and cardboard destined for recycling
04	Wastes from the leather, fur and textile industries
04 01	wastes from the leather and fur industry
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium)
04 01 09	wastes from unprocessed textile fibres
04 02	wastes from the textile industry
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (un-dyed and untreated only)
04 02 17	dye-stuffs and pigments other than those mentioned in 04 02 16
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
07	Wastes from organic chemical processes
07 02	wastes from the MFSU (manufacture, formulation, supply and use) of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
08	Wastes from the MFSU of coatings (paints, varnished and vitreous enamels), adhesives sealants and printing inks
08 02	wastes from the MFSU of other coatings (including ceramic materials)
08 02 01	waste coating powders
08 04	wastes from the MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 24	sands from fluidised beds
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 06	particulates and dust
10 13 10	waste from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	waste from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 14	waste concrete and concrete sludge
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 05	plastic shavings and turnings
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
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 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths, and protective clothing
15 02 03	absorbents, filter materials, wiping cloths, and protective clothing other than those mentioned in 15 02 02
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes other than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
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 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum based construction materials other than those mentioned in 17 08 01
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

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers) (this is limited to non-clinical human offensive/hygiene waste and autoclaved waste from laboratories only)
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 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 02 13
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed of only non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
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 wastes
19 05 03	off-specification compost (from a composting process that accepts waste input types listed in this table)
19 09	wastes from the preparation of water intended for human consumption or waste of industrial use
19 09 01	solid waste from primary filtration and screenings
19 10	wastes from shredding of metal-containing wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 06	other fractions other than those mentioned in 19 10 05
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 02	ferrous metals
19 12 03	non-ferrous metal

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stone)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
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 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard (excluding veneers, plastic coatings or laminates)
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 01 99	other fractions not otherwise specified (comprising only of non-clinical human and animal offensive/hygiene waste (not arising healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is not subject to special requirements in order to prevent infection)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-bio-degradable wastes

Table S2.4 Permitted waste types and quantities for Waste Transfer Station Activities	
Maximum quantity	Annual throughput shall not exceed 65,000 tonnes .
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics <ul style="list-style-type: none"> • Wastes that are in a form which is either sludge or liquid
Waste code	Description
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets (biodegradable only)
20 03 03	street-cleaning waste
20 03 07	bulky waste

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 Discharge from permitted facility to off-site surface water lagoon	Uncontaminated site surface water from concreted areas and reception building roof water	No parameter set	No limit set	--	--	--

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 Leachate collection from IVC	Waste reception area; treatment and storage areas. Storage tank prior to removal for off-site treatment	No parameter set	No limit set	--	--	--

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Internal for each composting batch during sanitisation stage	Temperature	At least daily	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	None specified	--	
Internal for each composting batch during stabilisation stage	Temperature	At least weekly	Temperature probe	
	Moisture	None specified	--	
Waste reception building; Storage tank(s); Maturation area	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary.
Storage tank(s)	Integrity checks	Weekly	Visual assessment	--

Table S3.4 Bioaerosol monitoring requirements					
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			

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
Bioaerosol monitoring Parameters as required by condition 3.5.1	As specified in the Standardised Protocol and in agreement with the Environment Agency	Every 3 months or as agreed in writing by the Environment Agency	1 January, 1 April, 1 July, 1 October

Table S4.2 Annual production/treatment	
Parameter	Units
Processed compost	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes or m ³
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Bioaerosols	As specified in the Industry Standard Protocol or other form as agreed in writing by the Environment Agency	--
Water usage	Form WaterUsage1 or other form as agreed in writing by the Environment Agency	20/04/16
Energy usage	Form Energy1 or other form as agreed in writing by the Environment Agency	20/04/16
Other performance indicators	Form Performance1 or other form as agreed in writing by the Environment Agency	20/04/16
Waste Returns	E-waste Returns Form	--

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.

“animal waste” means any waste consisting of animal matter that has not been processed into food for human consumption. This does include blood, feathers, uncooked butcher waste and any other animal waste that is not catering waste or former foodstuffs. This does not include faecal matter from animals (e.g. chicken litter or farmyard manure).

“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 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*.

“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.

“compostable plastics” means plastics that are certified to meet the standards of EN 13432, EN 14995 or equivalent.

“composting batch” means an identifiable quantity of material that progresses through the composting system and when fully processed has similar characteristics throughout. For composting systems that operate on a continuous or a plug-flow basis, batches will be taken to mean a series of “portions of production”.

“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 and that result in compost.

“closed system” means a closed composting reactor or closed area (such as a building) in which waste is fully contained and efficient air management abatement systems are demonstrated. This may cover a wide range of technology and where necessary is in compliance with the Animal By-Products Regulations.

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

“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.

“emissions to land” includes emissions to groundwater.

“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.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“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.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“sanitisation stage” means the actively managed and intensive stage of composting lasting for at least five days, characterised by high oxygen demand and temperatures of over 55 °C, during which biological processes, together with conditions in the composting mass, eradicate human and animal pathogens or reduce them to acceptably low levels.

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

(a) no liquid will run off the surface otherwise than via the system;

(b) except where they may be lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump.

“stable, stabilised” means the degree of processing and biodegradation at which the rate of biological activity has slowed to an acceptably low and consistent level and will not significantly increase under favourable, altered conditions.

“stabilisation stage” means the stage of composting following sanitisation, during which biological conditions in the composting mass, give rise to compost that is nominally stable.

“treated wood” means any wood that has been chemically treated (e.g. to enhance or alter the performance of the original wood). Treatments may include penetrating oils, tar oil preservatives, water-borne preservatives, organic-based preservatives, boron and organo-metallic based preservatives, boron and halogenated flame retardants and surface treatments (including paint and venner).

“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.

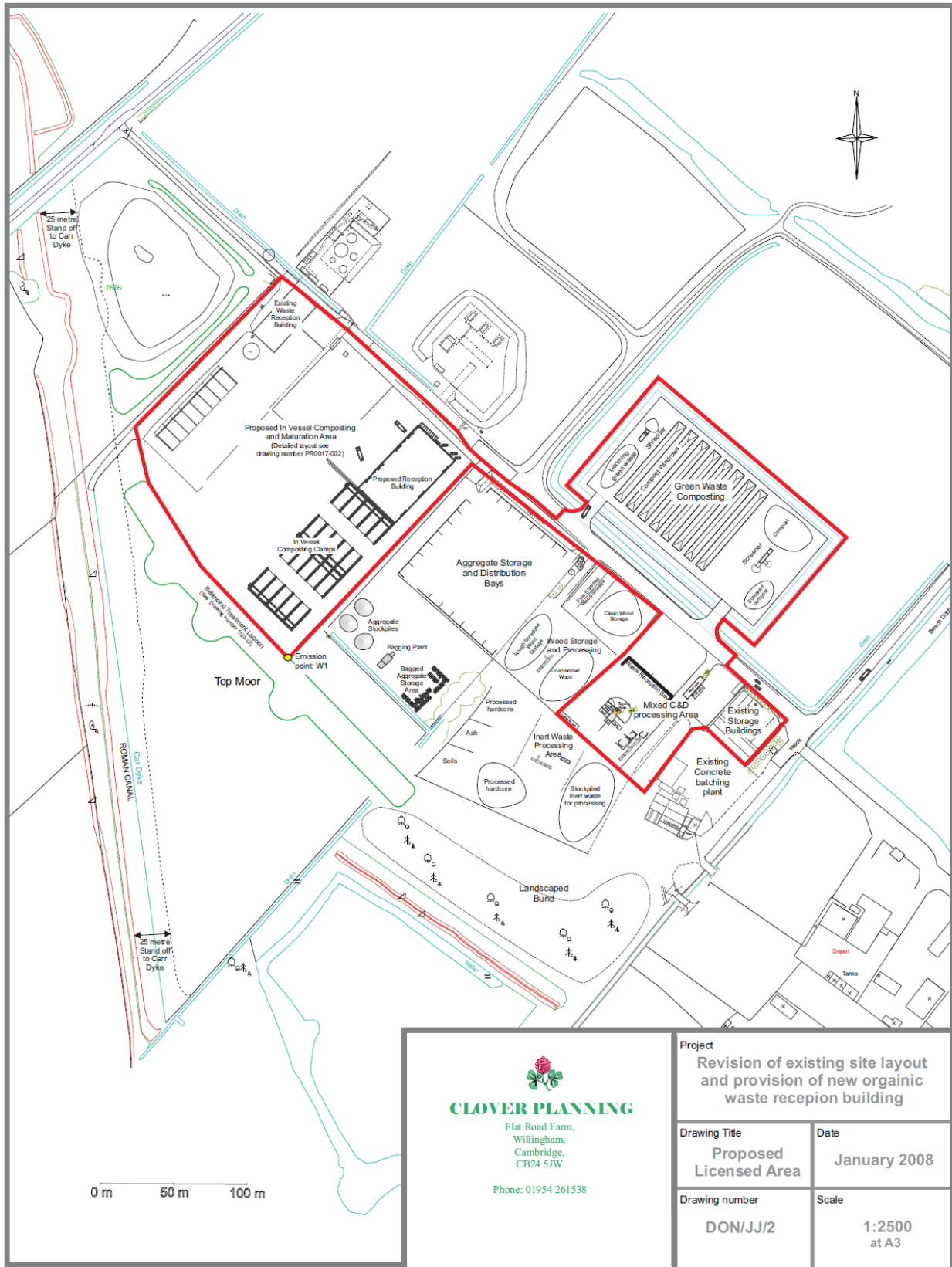
“year” means calendar year ending 31 December.


Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 – Site plan



 CLOVER PLANNING Flat Road Farm, Willingham, Cambridge, CB24 5JW Phone: 01954 261538	Project Revision of existing site layout and provision of new organic waste reception building	
	Drawing Title Proposed Licensed Area	Date January 2008
	Drawing number DON/JJ/2	Scale 1:2500 at A3

END OF PERMIT

Permit Number: LP3593LM

Operator: Amey Cespa (East) Limited

**Facility: Waterbeach Waste
Management Park**

Form Number: WaterUsage1/20/04/16

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
TOTAL WATER USAGE		

Operator's comments:

Signed

Date.....

(authorised to sign as representative of Operator)

Permit Number: LP3593LM

Operator: Amey Cespa (East) Limited

Facility: Waterbeach Waste Management

Form Number: Energy1/20/04/16

Reporting of Energy Usage for the year

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Biogas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: LP3593LM **Operator:** Amey Cespa (East) Limited
Facility: Waterbeach Waste Management **Form Number:** Performance1/20/04/16

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Total raw material used	tonnes

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)