



Notice of transfer with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Highfield Environmental Limited

Cowpen Bewley Open Windrow Composting Facility
Cowpen Bewley Landfill
Seal Sands Road
Billingham
Stockton-On-Tees
TS23 4HS

Transfer application number

EPR/EB3707CF/T001

Permit number

EPR/EB3707CF

Cowpen Bewley Open Windrow Composting Facility

Permit number EPR/EB3707CF

Introductory note

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

The following notice gives notice of the transfer of an environmental permit to a new operator (the transferee).

The following notice gives notice of the transfer of an environmental permit from Green North East Trading Bidco Limited (the transferor) to Highfield Environmental Limited (the transferee).

The operator has confirmed that the operational structure and Environmental Management System of the facility will remain the same or similar to that currently under use.

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
Application EPR/FP3993MG/A001 (EAWML 101427)	Duly made 27/10/11	Application for open windrow composting facility.
Additional information received in response to Schedule 5 notice	03/02/12 & 08/02/12	
Additional information received in a letter from AC Environment Solutions Ltd	17/07/12	
Permit determined EPR/FP3993MG	16/08/12	Permit granted.
Environment Agency initiated variation EPR/FP3993MG/V002	Duly made 14/08/13	Removal of pre-acceptance process and associated wastes.
Variation determined EPR/EB3707CF/V002	13/02/14	Notice of variation issued.
Variation Application EPR/FP3993MG/V003	Received 22/08/13	
Variation application withdrawn EPR/FP3993MG/V003	19/09/13	Withdrawn as requested changes could be done as part of the Environment Agency initiated variation.
Variation application EPR/FP3993MG/V004	Duly Made 04/03/14	Addition of a waste code.
Variation determined EPR/FP3993MG/V004	09/04/14	
Variation Application EPR/FP3993MG/V005	Received 13/01/15	Administrative variation to add waste code 19 12 09.
Variation application withdrawn	02/02/15	Withdrawn as current permit already authorises waste code 19 12 09.

Status log of the permit		
Description	Date	Comments
EPR/FP3993MG/V005		
Variation application EPR/FP3993MG/V006	Duly made 05/06/15	Application to vary permit to reflect changes under the Industrial Emissions Directive (IED). Variation and consolidation to modern conditions.
Variation determined EPR/FP3993MG/V006	02/12/15	Notice of variation issued.
Variation application EPR/FP3993MG/V007	Returned 31/03/16	
Application EPR/EB3502KU/T001 (full transfer of permit EPR/FP3993MG)	Duly made 04/08/16	Application to transfer the permit in full to Green North East Trading Bidco Limited.
Transfer determined EPR/EB3502KU	28/09/16	Full transfer of permit complete.
Application EPR/EB3707CF/T001 (full transfer of permit EPR/EB3502KU)	Duly made 23/11/16	Application to transfer the permit in full to Highfield Environmental Limited.
Transfer determined EPR/EB3707CF	12/12/16	Full transfer of permit complete.

End of introductory note

Notice of transfer

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 21 of the Environmental Permitting (England and Wales) Regulations 2010 transfers

Permit number

EPR/EB3502KU

to

Highfield Environmental Limited ("the operator")

whose registered office is

C/O Hackwood Secretaries Limited

One Silk Street

London

EC2Y 8HQ

company registration number 10438194

to operate a regulated facility at

Cowpen Bewley Open Windrow Composting Facility

Cowpen Bewley Landfill

Seal Sands Road

Billingham

Stockton-On-Tees

TS23 4HS

from Green North East Trading Bidco Limited

The notice shall take effect from 12/12/2016

The number of the new permit granted to Highfield Environmental Limited is

EPR/EB3707CF

Name	Date
J Linton	12/12/2016

Authorised on behalf of the Environment Agency

The Company Director and/or Secretary
Greenways Waste Management Limited
Ammerston Suite
Wynyard Park House
Wynyard Avenue
Wynyard
Billingham, Stockton-on-Tees
TS22 5TB

Our ref: EPR/FP3993MG/V006

Date: 04 December 2015

Dear Sir or Madam.

Your permit variation to incorporate a newly prescribed activity is complete

Permit reference: EPR/FP3993MG/V006

Waste returns reference: EAWML 101427

Operator: Greenways Waste Management Limited

**Facility: Cowpen Bewley Open Windrow Composting Facility, Cowpen Bewley
Landfill, Seal Sands Road, Billingham, Stockton-On-Tees, TS23 4HS**

Our determination of your application to include waste operations in your permit as installation activities is complete. We're satisfied that you can continue to carry out your activities in accordance with the variation, without harm to the environment or human health. This delivers requirements of the Industrial Emissions Directive. I enclose a notice showing the changes to your permit. Please keep this in a safe place with your other permit records.

Since we consulted with you on the content of this variation and in response to growing pressures on the environment from waste fires we have included new conditions in your permit. These conditions are similar in nature to other conditions addressing nuisance risk and specifically focus on the need to take all appropriate measures to prevent fires on site and minimise the risk of pollution from them. The conditions require you, if notified by us that the activities are giving rise to a risk of fire, to submit a fire prevention plan. Guidance on fire prevention plans is available at

<https://www.gov.uk/government/publications/permitted-sites-fire-prevention-plans>

This letter contains web links to other documents. If you aren't able to access these phone our Customer Contact Centre for help on 03708 506 506.

If you're not familiar with our document **How to comply with your environmental permit** please read it, as this will help you understand how to meet the conditions of the permit. You can find this on our website at

<https://www.gov.uk/government/publications/how-to-comply-with-your-environmental-permit>

Your variation has added an installation to your permit for the first time which introduces the requirements to report into the Pollution Inventory. We have enclosed the pollution inventory letter, notice and fact sheet.

Rights of appeal

If you're not happy with any permit condition that has been imposed by the variation you may appeal to the Secretary of State. If you want to appeal any condition imposed as a result of your application you must make your appeal no later than six months from the date of the

Land Team, Permitting and Support Centre, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WF

Phone: 03708 506 506

Email: enquiries@environment-agency.gov.uk

www.gov.uk/environment-agency



INVESTOR IN PEOPLE



variation notice. If you want to appeal any condition we've added as an Environment Agency initiated variation you must make your appeal no later than two months from the date of the notice.

Further information about making an appeal and the forms you will need are available from the Planning Inspectorate website or from the contact details below. .

Environment Appeals, Enforcement and Specialist case work division, The Planning Inspectorate, 3/25 Hawk Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN. Phone: 0303 444 5584

Email: environment.appeals@pins.gsi.gov.uk

You must send written notice of the appeal and the documents listed below to the Secretary of State to the Planning Inspectorate address above. At the same time you must send us a copy of the notice and documents to

**Victoria Douglass, Appeals Coordinator, Environment Agency, National Permitting Service, Knutsford Road, Latchford, Warrington, WA4 1HG.
Phone: 01925 542456**

Email : victoria.douglass@environment-agency.gov.uk

The documents are:

- a statement of the grounds of appeal
- a copy of any relevant application
- a copy of any relevant environmental permit
- a copy of any relevant correspondence between the appellant and the regulator
- a copy of any decision or notice which is the subject matter of the appeal; and
- a statement indicating whether you wish the appeal to be in the form of a hearing or dealt with by way of written representations.

You may withdraw an appeal by notifying the Secretary of State in writing and sending a copy of that notification to us.

If you have any questions about this permit phone our Customer Contact Centre on 03708 506 506. They will put you in touch with a local regulatory officer.

Yours faithfully,



**John Goodliffe
Permitting Support Advisor**

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Greenways Waste Management Limited
Cowpen Bewley Open Windrow Composting Facility
Cowpen Bewley Landfill
Seal Sands Road
Billingham
Stockton-On-Tees
TS23 4HS

Variation application number

EPR/FP3993MG/V006

Permit number

EPR/FP3993MG

Cowpen Bewley Open Windrow Composting Facility

Permit number EPR/FP3993MG

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 this facility from a waste operation to a multi-regime facility.

The Cowpen Bewley Open Windrow Composting Facility is located within the cartilage of the Cowpen Bewley Landfill Site. The activities covered by the permit are the storage, physical treatment including composting and maturation of a range of waste types and also the mixing of various wastes including sludges with the compost. The annual throughput of the facility is 150,000 tonnes of biodegradable wastes.

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
Application EPR/FP3993MG/A001 (EAWML 101427)	Duly made 27/10/11	Application for open windrow composting facility.
Additional information received in response to Schedule 5 notice	03/02/12	
Additional information received in a letter from AC Environment Solutions Ltd	17/07/12	
Permit determined EPR/FP3993MG	16/08/12	Permit issued.
Environment Agency initiated variation EPR/FP3993MG/V002	Duly made 14/08/13	Removal of pre-acceptance process and associated wastes.
Variation determined EPR/FP3993MG/V002	13/02/14	Varied permit issued.
Variation Application EPR/FP3993MG/V003	Received 22/08/13	
Variation application withdrawn EPR/FP3993MG/V003	19/09/13	Withdrawn as requested changes could be done as part of the Environment Agency initiated variation.

Status log of the permit		
Description	Date	Comments
Variation application EPR/FP3993MG/V004	04/03/14	Addition of a waste code.
Variation determined EPR/FP3993MG/V004	09/04/14	
Variation Application EPR/FP3993MG/V005	Received 13/01/15	Administrative variation to add waste code 19 12 09.
Variation application withdrawn EPR/FP3993MG/V005	02/02/15	Withdrawn as current permit already authorises waste code 19 12 09.
Variation application EPR/FP3993MG/V006	duly made 05/06/15	Application to vary permit to reflect changes under the Industrial Emissions Directive (IED). Variation and consolidation to modern conditions.
Variation determined EPR/FP3993MG/V006 (Billing ref: LP3931AE)	02/12/15	Varied permit issued.

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/FP3993MG

Issued to

Greenways Waste Management Limited ("the operator")

whose registered office is

**Ammerston Suite
Wynyard Park House
Wynyard Avenue
Wynyard
Billingham
Stockton-on-Tees
TS22 5TB**

company registration number **06696761**

to operate a regulated facility at

**Cowpen Bewley Open Windrow Composting Facility
Cowpen Bewley Landfill
Seal Sands Road
Billingham
Stockton-On-Tees
TS23 4HS**

to the extent set out in the schedules.

The notice shall take effect from 02/12/2015

Name	Date
Rebecca Warren	02/12/2015

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/FP3993MG

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3993MG/V006 authorising,

Greenways Waste Management Limited ("the operator"),

whose registered office is

**Ammerston Suite
Wynyard Park House
Wynyard Avenue
Wynyard
Billingham
Stockton-on-Tees
TS22 5TB**

company registration number **06696761**

to operate a regulated facility at

**Cowpen Bewley Open Windrow Composting Facility
Cowpen Bewley Landfill
Seal Sands Road
Billingham
Stockton-On-Tees
TS23 4HS**

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

Name	Date
Rebecca Warren	02/12/2015

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 For the following activities referenced in schedule 1, table S1.1 A1 to A7, 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 A7 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.

- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 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 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.

3.4 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) process monitoring specified in table S3.1;
- 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.

3.6 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 For the following activities referenced in schedule 1, table S1.1 A1 to A7 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 A7, 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 A8 to A10, 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.
- 4.3.9 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
 - (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

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 A7, 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 A8 to A10, 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	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	<p>From receipt of waste through to composting and recovery of by-products.</p> <p>Composting and maturation of waste under aerobic conditions in outdoor turned windrows on impermeable surface with a sealed drainage system in the locations shown on Drawing No 76.0187/WCF/04, Revision E.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
Directly Associated Activity			
A2	Storage of waste pending recovery	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Secure storage of waste on an impermeable surface with a sealed drainage system in the locations shown on Drawing No 76.0187/WCF/04, Revision E.</p> <p>Waste types suitable for acceptance are limited to those specified in Tables S2.2.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>The storage of waste under anaerobic conditions shall be prevented or where that is not practicable, minimised.</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 is produced)</p>	<p>Storage of biological liquids and sludges for mixing prior to composting.</p> <p>Secure storage of wastes listed in table S2.3.</p> <p>No wastes other than those listed in table S2.3 shall be accepted for mixing.</p> <p>The maximum quantity of all waste being stored prior to mixing shall not exceed a total of 174m³ at any one time.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>The storage of liquid and sludge wastes for mixing shall take place within storage tanks on an impermeable surface with a sealed drainage system in the locations shown on Drawing No 76.0187/WCF/04, Revision E.</p>
A3	Physical treatment for the purpose of recycling	<p>R3: Recycling/ reclamation of organic substances which are not used as solvents</p>	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Physical treatment of waste on an impermeable surface with a sealed drainage system in the locations shown on Drawing No 76.0187/WCF/04, Revision E.</p> <p>The physical treatment of waste under anaerobic conditions shall be prevented or where that is not practicable, minimised.</p> <p>Pre-treatment of waste prior to composting on an impermeable surface including shredding and screening.</p> <p>Post-treatment of processed compost on an impermeable surface including screening to remove contraries.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>

		R3: Recycling/ reclamation of organic substances which are not used as solvents	<p>Mixing of biological liquids and sludges in a mixing bay prior to composting</p> <p>Physical treatment consisting only of mixing of waste listed in table S2.2 and S2.3</p> <p>The physical treatment of wastes shall take place within the mixing bay on an impermeable surface with a sealed drainage system in the location shown on Drawing No 76.0187/WCF/04, Revision E.</p> <p>No wastes other than those listed in table S2.3 shall be accepted for mixing.</p>
A4	Raw material storage	Storage of raw materials including lubrication oil and antifreeze.	From the receipt of raw materials to despatch for use within the facility.
A5	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	Process water collection and storage	Collection and storage of compost liquor/leachate in 2 lagoons.	From the receipt of compost leachate produced at the facility to despatch off site for recovery or disposal.
A7	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in 2 storage tanks.	From the collection of uncontaminated roof and site surface water from non operational areas only to re-use within the facility.
Activity reference	Description of activities for waste operations		Limits of activities
A8	<p>Wood treatment</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</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 is produced)</p>		<p>The transfer and treatment of wood waste.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>Treatment consisting only of manual sorting, separation, screening or shredding of the types of waste listed in table S2.4 into different components for recovery which may include composting.</p> <p>All wastes shall be stored on an impermeable surface with a sealed drainage system in the location shown on Drawing No 76.0187/WCF/04, Revision E.</p>

A9	<p>Blending</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 is produced)</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents</p> <p>R5: Recycling or reclamation of other inorganic materials</p>	<p>Secure storage of wastes listed in table S2.5.</p> <p>Physical treatment consisting of screening and blending.</p> <p>The maximum quantity of all waste being:</p> <ul style="list-style-type: none"> • Stored prior to treatment • Mixed or blended • Composted • Stored for maturation <p>Shall not exceed a total of 20,000 tonnes at any one time.</p> <p>The wastes for blending listed in table S2.5 shall only be blended with compost once the compost has been composted into a sanitised material.</p>
A10	<p>Dewatering</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents</p>	<p>Secure storage of waste listed in table S2.6.</p> <p>Physical treatment consisting of dewatering prior to blending with compost.</p> <p>Drilling muds listed in table S2.6 shall only be blended with compost once the compost has been composted into a sanitised material.</p> <p>All wastes shall be stored on an impermeable surface with a sealed drainage system.</p> <p>Dewatering shall be carried out in accordance with the specifications set out in table S2.6.</p>

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Part B4 of the application, Table 3a – technical standards	27/06/11
Application	Monitoring of point source emissions document refS15/EPB4-4a Dated June 2011	27/10/11
Application	Odour Management Plan Document ref S13/EPB4-3b(b) Dated May 2011 Version 1	27/10/11
Application	Emissions Management Plan Document ref S12/EPB4-3b(a) Dated May 2011 Version 1	27/10/11
Response to Schedule 5 notice dated 07/11/11	Document entitled "Response to Schedule 5 Notice Request for Further Information" Document date February 2012	03/02/12
Pre-acceptance supporting information dated 27/11/2013	Working procedure for drilling muds revised 27/11/2013	27/11/13

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall submit a revised odour management plan detailing how any potential odours arising from the waste including the septic tank sludge will be managed so as to comply with condition 3.2 of the permit and obtain the Environment Agency's written approval to the revised plan.	complete
IC2	The operator shall submit a revised pre-acceptance criteria for Brocklesby waste (19 02 03 & 19 02 06) to the Environment Agency for written approval by the date specified.	complete
IC3	The operator shall submit a revised operating methodology for Brocklesby waste (19 02 03 & 19 02 06) which should include periodic auditing of waste streams from the producer, seasonal variability in moisture and the subsequent application rates and the rejection and contingency processes at the facility. The methodology shall be submitted to the Environment Agency for written approval by the date specified. The operating methodology shall be implemented in accordance with the Environment Agency's written approval.	complete

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel oil	Sulphur content not exceeding 0.1% by mass.

Table S2.2 Permitted waste types and quantities for open windrow composting	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations. • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres. • Hazardous wastes. • Wastes that are in a form which is liquid.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	sludges from washing and cleaning
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (excluding non-biodegradable bedding)
02 01 07	wastes from forestry (biodegradable 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
02 02 99	horse manure, farmyard manure and bedding (excluding non-biodegradable bedding)
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 (Allowed only if no chemical additives or toxin residues present).
02 03 04	materials unsuitable for consumption or processing (biodegradable only)
02 04	wastes from sugar processing (Allowed only if no chemical additives or toxin residues present).
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 (ABPR waste excluded)
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa) biodegradable material only. Any chemical additives or contaminants present must comply with EU Regulations, for example, Commission Regulation (EC) No 1831/2003 of 22 September 2003 setting maximum levels for certain contaminants in foodstuffs.
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials (spent grains or hops only)
02 07 02	wastes from spirits distillation (whisky filter sheets or cloths)
02 07 04	materials unsuitable for consumption or processing (biodegradable only)

Table S2.2 Permitted waste types and quantities for open windrow composting

Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions	<p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations. • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres. • Hazardous wastes. • Wastes that are in a form which is liquid.
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 and particle board only (excluding veneers or preservatives)
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 10	fibre rejects only (only allowed if not mixed with, or does not contain, de-inking sludge).
04	Wastes from the leather, fur and textile industries
04 02	wastes from the textile industry (non ABPR waste only)
04 02 10	organic matter from natural products (un-dyed 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 (not containing non-biodegradable veneers or plastic coatings)
15 01 03	wooden packaging (non treated wood waste)
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 (untreated only)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil and plant tissue waste other than those mentioned in 17 05 05 (only if dewatered and from inland waters) – Not containing Japanese Knotweed and not containing dangerous substances
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 (from 3 months after the variation issue date these are limited to liquid wastes that meet the revised pre-acceptance criteria approved in accordance with IC2)
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 (from 3 months after the variation issue date these are limited to sludge wastes that meet the revised pre-acceptance criteria approved in accordance with IC2)
19 05	wastes from aerobic treatment of solid wastes

Table S2.2 Permitted waste types and quantities for open windrow composting	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions	<p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations. • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres. • Hazardous wastes. • Wastes that are in a form which is liquid.
Waste code	Description
19 05 03	off-specification compost (only from a process operated according to PAS 100 and quality protocol requirements or another approved standard)
19 08	wastes from waste water treatment plants not otherwise specified
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 (excluding wood containing dangerous substances)
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard (excluding veneers, plastic coatings)
20 01 38	wood other than that mentioned in 20 01 37
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste (plant matter only)
20 03	other municipal wastes
20 03 02	waste from markets (biodegradable only)
20 03 03	street-cleaning residues
20 03 04	septic tank sludge (only as described in Framework application form – Septic tank sludge 20 03 04, waste benefit statement dated 05/04/2013 and waste analysis dated 28/03/13)

Table S2.3 Permitted waste types and quantities for mixing in mixing bay prior to composting	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations; • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres; • Hazardous wastes 	
Waste code	Description
02	Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 99	horse manure, farmyard manure and bedding (excluding non-biodegradable bedding)
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 (Allowed only if no chemical additives or toxin residues present)
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation – fruit and vegetables only
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing (allowed only if no chemical additives or toxin residues present)
02 04 03	sludges from on-site effluent treatment
02 06	wastes from baking and confectionary industry
02 06 01	materials unsuitable for consumption or processing (non ABPR waste only)
02 06 03	sludges from on-site effluent treatment (Effluent sludge from potato washing process only as described in the Framework application form – Effluent Sludge 02 06 03, Material Application Form – dated July 2012, Waste analysis dated 13/04/12)
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa) biodegradable material only. Any chemical additives or contaminants present must comply with EU Regulations, for example, Commission Regulation (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs
02 07 05	sludges from on-site treatment
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. Allowed only if hides and skins or parts of them originated from animals that did not show clinical signs of any disease communicable through that product to humans or animals. (These materials shall not be accepted in the event of a local or national outbreak where there is a risk of contact with or spreading a serious transmissible disease)
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 09	wastes from dressing and finishing
07	wastes from organic chemical processes
07 02	wastes from MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic – only biodegradable polymers, bags and packaging or other products made of such material shall be permitted independently certified compliant with all relevant parts of the quality standards BS EN 13432, BS EN 14995, DIN V 54900, ASTM D6400 or AIB-Vincotte International S.A.'s 'Program OK 2' criteria for "home compostable" packaging, plastics or equivalent.
15	waste packaging; Absorbents, Wiping Cloths, Filter Materials and Protective Clothing not otherwise specified

Table S2.3 Permitted waste types and quantities for mixing in mixing bay prior to composting	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations; • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres; • Hazardous wastes 	
Waste code	Description
15 01	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging - only biodegradable polymers, bags and packaging or other products made of such material shall be permitted independently certified compliant with all relevant parts of the quality standards BS EN 13432, BS EN 14995, DIN V 54900, ASTM D6400 or AIB-Vincotte International S.A.'s 'Program OK 2' criteria for "home compostable" packaging, plastics or equivalent.
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 39	plastics - only biodegradable polymers, bags and packaging or other products made of such material shall be permitted independently certified compliant with all relevant parts of the quality standards BS EN 13432, BS EN 14995, DIN V 54900, ASTM D6400 or AIB-Vincotte International S.A.'s 'Program OK 2' criteria for "home compostable" packaging, plastics or equivalent.
20 03	Other municipal wastes
20 03 03	street-cleaning residues

Table S2.4 Permitted waste types and quantities for wood storage and treatment	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Hazardous wastes • Wastes that are in a liquid form. 	
Waste code	Description
02	Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 07	wastes from forestry (comprising wood and plant tissue)
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 (excluding veneers or preservatives)
03 03	wastes from 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 (untreated)
17	Construction and Demolition Wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood (untreated 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 12	waste from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than those containing dangerous substances
20	Municipal Wastes (Household waste and similar commercial, industrial and institutional wastes) Including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 38	wood other than those mentioned in 20 01 37

Table S2.5 Permitted waste types and quantities for blending into compost after compost has been sanitised	
Maximum quantity	The total quantity of waste accepted at the site for open windrow composting and for treatment of waste to produce soil, soil substitutes and aggregate shall be subject to limits and storage capacities specified in Table S1.1.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Hazardous wastes • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations • Wastes that are in a form that is liquid. 	
Waste code	Description
01	Wastes Resulting from Exploration, Mining, Quarrying, and Physical and Chemical Treatment of Minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
02 02	Preparation and processing of meat, fish and other foods of animal origin
02 02 02	shellfish shells from which the soft tissue or flesh has been removed only
02 04	wastes from sugar processing
02 04 02	off-specification calcium carbonate
10	Waste from Thermal Processes
10 01	power stations and other combustion plants (except 19)
10 01 01	bottom ash and slag only
10 01 02	pulverized fuel ash only
10 01 05	gypsum (solid) only
10 01 07	gypsum (sludge) only
10 01 15	bottom ash and slag only from co-incineration other than those mentioned in 10 01 14
10 11	wastes from the manufacture of glass and glass products
10 11 12	clean glass other than those mentioned in 10 11 11
10 12	wastes from the manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	Wastes from manufacture of cement, lime and plaster products and articles and products made from them
10 13 14	waste concrete only
15	waste packaging
15 01	packaging
15 01 07	clean glass only
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	Concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

Table S2.5 Permitted waste types and quantities for blending into compost after compost has been sanitised	
Maximum quantity	The total quantity of waste accepted at the site for open windrow composting and for treatment of waste to produce soil, soil substitutes and aggregate shall be subject to limits and storage capacities specified in Table S1.1.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Hazardous wastes • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations • Wastes that are in a form that is liquid 	
Waste code	Description
19	Wastes from Waste Management Facilities, Off-site Waste Water Treatment Plants and the Preparation of Water Intended for Human Consumption and Water for Industrial Use
19 08	wastes from waste water treatment plants not otherwise specified
19 08 02	waste from desanding
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 12	waste from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example, sand and stones)
20	Municipal Wastes (Household waste and similar commercial, industrial and institutional wastes) Including separately collected fractions
20 02	garden and park waste (including cemetery waste)
20 02 02	soil and stones

Table S2.6 Permitted waste types and quantities for dewatering	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.
Exclusions Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Wastes consisting solely or mainly of dusts, powders or loose fibres • Hazardous wastes • Wastes that are in a form which is liquid. 	
Waste code	Description
02	Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes (freshwater drilling muds only as described in document 'Working Procedure for drilling muds revised 27112013')
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 (drilling muds only as described in document 'Working Procedure for drilling muds revised 27112013')
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 (drilling muds only as described in document 'Working Procedure for drilling muds revised 27112013')

Schedule 3 – Emissions and monitoring

Table S3.1 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 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	--

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
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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
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	02/12/15
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	02/12/15
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	02/12/15
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.

“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.

“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.

“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.

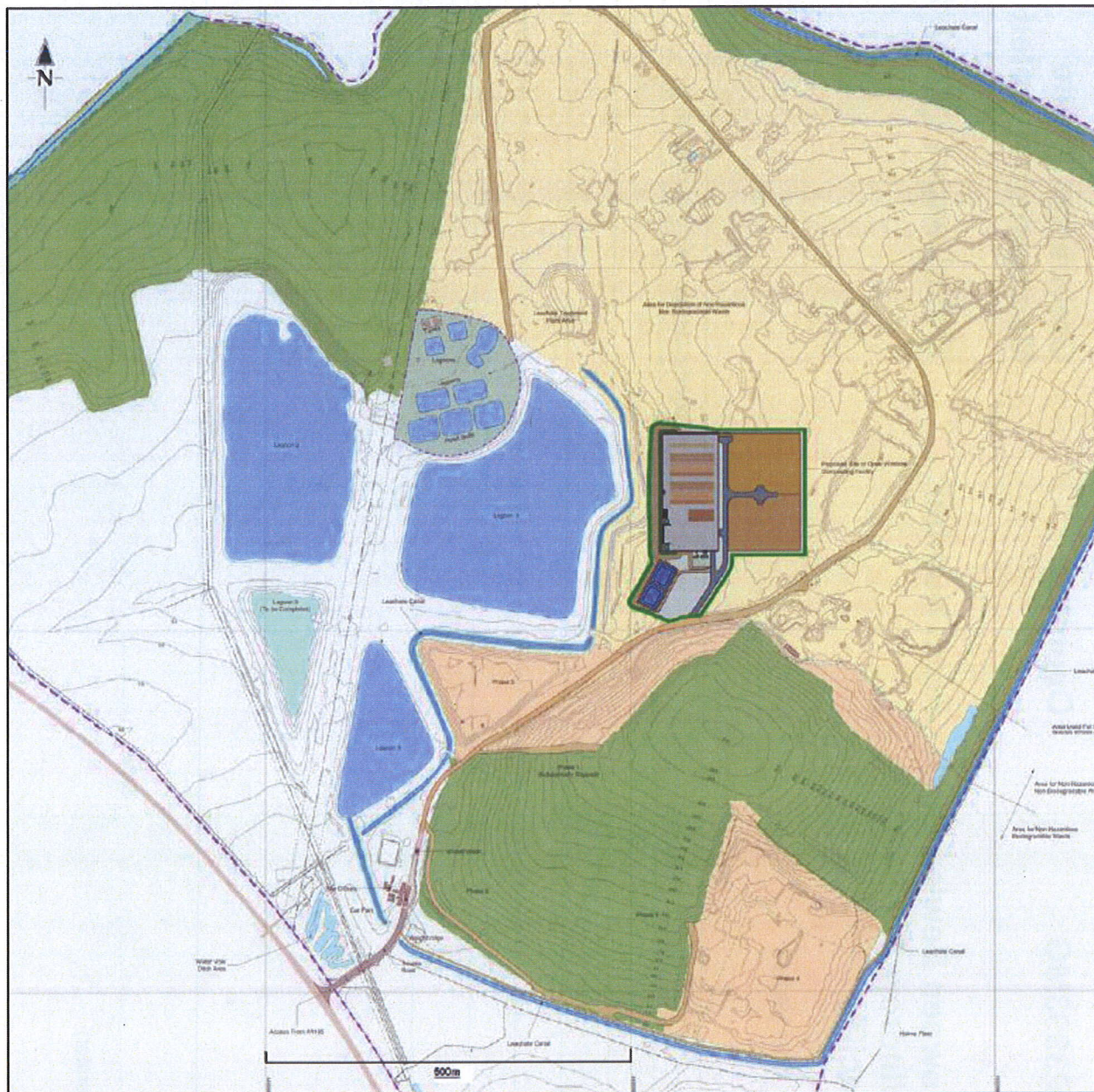
“year” means calendar year ending 31 December.

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



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END OF PERMIT

Permit Number:
FP3993MG
Operator:
Greenways Waste Management Limited

Facility:
Cowpen Bewley Open Windrow Composting Facility
Form Number:
WaterUsage1 / 02/12/15

Reporting of Water Usage for the year

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

Operator's comments:

Signed
Date.....

(authorised to sign as representative of Operator)

Permit Number:

FP3993MG

Operator:

Greenways Waste
Management Limited

Facility:

Cowpen Bewley Open
Windrow Composting
Facility

Form Number:

EnergyUsage1 /
02/12/15

Reporting of Energy Usage for the year

Energy Source	Energy Usage		Primary Energy (MWh)	Specific Usage (MWh/unit output)
	Quantity			
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:

FP3993MG

Operator:

**Greenways Waste
Management Limited**

Facility:

**Cowpen Bewley Open
Windrow Composting
Facility**

Form Number:

Performance1 / 02/12/15

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)

Requirement for information

Environmental Permitting (England and Wales)
Regulations 2010 Regulation 60(1) Notice

Notice requiring information

To:

The Company Director and/or Secretary
Greenways Waste Management Limited
Ammerston Suite
Wynyard Park House
Wynyard Avenue
Wynyard
Billingham, Stockton-on-Tees
TS22 5TB

This Notice relates to the activities you operate that are authorised by the Permit Number(s) specified below (each permit number is shown with the appropriate operating address).

<i>Permit Number</i>	<i>Operator</i>	<i>Site Address</i>
EPR/FP3993MG	Greenways Waste Management Limited	Cowpen Bewley Open Windrow Composting Facility, Cowpen Bewley Landfill, Seal Sands Road, Billingham, Stockton-On-Tees, TS23 4HS

The Environment Agency, exercising our power under Regulation 60(1) of the Environmental Permitting (England and Wales) Regulations 2010, requires you to provide the information detailed in the attached Pollution Inventory Schedule in respect of each Permit referred to above:

- for the 2014 calendar year by 28 February 2015, and for every calendar year thereafter by 28 February of the following year, until further notice is given.

The information must be provided by submission of:

- an electronic return (this can be achieved by following the links to the web-based reporting system from the Environment Agency's Pollution Inventory homepage (<https://www.gov.uk/environmental-permit-how-to-apply/monitoring-and-reports>); or
- Environment Agency Pollution Inventory form (this is available from the Pollution Inventory web pages or in paper copy from any Environment Agency office).

When returning information on the Pollution Inventory form, this should be submitted to your local area office.

Signed



Damian Matthias
Customer Operations Manager

Customer services line: 03708 506 506

Email: enquiries@environment-agency.gov.uk

Environment Agency, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WF



The Company Director and/or Secretary
Greenways Waste Management Limited
Ammerston Suite
Wynyard Park House
Wynyard Avenue
Wynyard
Billingham, Stockton-on-Tees
TS22 5TB

Our ref: EPR/FP3993MG/V006

Date: 04 December 2015

Dear Sir or Madam.

Pollution Inventory reporting

As part of your EPR permit to operate, you are required to report on annual releases of pollutants from your installation to our Pollution Inventory.

Enclosed is a notice requiring you to make your annual report to the Pollution Inventory (PI). We serve this in exercise of our powers under regulation 60(1) of the Environmental Permitting Regulations, 2010.

Important changes to the Pollution Inventory

The notice requires the completion and submission of information specified in the attached Pollution Inventory Schedule, for each permit detailed, for the calendar year 2012 onwards. The Schedule asks for information on annual mass releases to air, water and land and off-site transfers of waste and of specified substances in waste water.

Following the 2012 Pollution Inventory substance review a decision has been made to reduce the number of reportable substances to 110. Of this number, 8 new substances identified as priority pollutants under the Water Framework Directive have been added to the substance list. Reporting on these additional substances will become mandatory only in February 2014 for the 2013 reporting year.

The deadline for submitting this information is the **28 February** of the year following that being reported. Please note that the report asks for total releases during each calendar year, so you should not return any information until after 31st December of that year. The Environment Agency will no longer be issuing notices on a three year cycle, notices will only be issued when changes are made to the Pollution Inventory reporting requirements

This letter and notice have been sent to both the installation and registered office address, where these are different. Only one form per installation needs to be submitted.

We use the information to meet the UK's obligations to report on releases from industrial sites to the European Pollutant Release and Transfer Register (E-PRTR), and to produce our Pollution Inventory. These will be published on the Internet. We recommend that you complete your PI return using our web-based reporting system. This system can be accessed by following the links to our Pollution Inventory homepage on our website (<https://www.gov.uk/environmental-permit-how-to-apply/monitoring-and-reports>).

If you are unable to use the web-based reporting system, you can complete a paper form. This is available to download from our website (<https://www.gov.uk/environmental-permit-how-to-apply/monitoring-and-reports>) or from any Environment Agency office. The completed form must be returned to your local Environment Agency office.

A fact sheet on legislation, information on reporting requirements and tools for estimating releases, are available on our website (<https://www.gov.uk/environmental-permit-how-to-apply/monitoring-and-reports>).

For any queries on Pollution Inventory reporting please contact either your local Environment Agency officer, or the Pollution Inventory team (contact details at the bottom of the page).

Yours faithfully,



Damian Matthias
Customer Operations Manager

Encs.

- Regulation 60(1) notice
- Pollution Inventory Schedule 2

Pollution Inventory Schedule (2)

The Pollution Inventory (PI) requires you to report information relating to the annual releases¹ of substances specified in this Schedule, to air, water and land and off-site transfers of waste and of specified substances in wastewater²

The Environment Agency has just undertaken a substance review. As a result of this review the substances in this Schedule have been significantly reduced overall, with the addition of several new Water Framework Directive substances (shown in *italics*). You are not required to report on the new substances in your 2012 submission: reporting of these is a requirement in your 2013 submission onwards.

PI information must be submitted in accordance with the dates specified in the enclosed EPR Environmental Permitting (England and Wales) Regulations 2010 Regulation 60 (1) Notice.

The information required by this Schedule should be reported to us either by our web-based reporting system, access to which is available via our website at <https://www.gov.uk/environmental-permit-how-to-apply/monitoring-and-reports>, or by completion of the paper Form PI-1.

This schedule is applicable to all EPR A1 intensive agriculture installations, waste landfills and sewage treatment works required to report via the WIA ministerial direction. It is valid from 2012 until revised.

The Schedule, form and web based reporting system consist of the following parts:

- Part 1 – About the operator and site
- Part 2 – Releases to air
- Part 3 – Releases to land
- Part 4 – Releases to controlled waters
- Part 5 – Off-site transfers in wastewater
- Part 6 – Off-site waste transfers
- Part 7 – Overseas waste transfers

The requirements of each part are set out overleaf.

¹ A release is “any introduction of pollutants into the environment as a result of human activity, whether deliberate or accidental, routine or non-routine, including spilling, emitting, discharging, injecting, disposing or dumping or through sewer systems without final waste-water treatment.”

² Transfers in wastewater should include masses of PI substances in any wastes transferred via sewer or other means (eg tanker) direct to waste-water treatment works.

Part 1 About the operator and site

The information we require you to provide in Part 1, includes:

- Details about you and your operations – permit number, operator name and address, contact details and description of site activities;
- Any claim that information provided is confidential. If you wish to claim confidentiality for your Pollution Inventory or REPI data you must provide a full justification in the form of an objection notice. This must be provided to your site inspector who will issue you with a notice of determination to grant or decline the request. The Environment Agency does not grant confidentiality for release or emissions data except in cases of national security.

Purpose of Parts 2, 3, 4 and 5 of this Schedule

Parts 2, 3, 4 and 5 of this Schedule list the individual reportable substances for each environmental medium (air, water, land and wastewater) and the reporting thresholds that apply to those substances.

The information you will have to provide for each reportable substance includes:

1. Total releases

Total releases = the sum of **all** releases from the 'reporting unit' (reporting unit describes the EPR permitted facility or sewage treatment works), that is:
annual mass/TEQ of substance released including *fugitive* and *notifiable* releases.

Fugitive releases = releases not contained at source.

Notifiable releases = releases from unplanned and unpermitted/unauthorised operations, for example resulting from an emergency, accident etc., which require separate notification to us.

- If the 'total releases' figure is below the reporting threshold, it should be reported as 'brt' (below reporting threshold);
- The figures for releases to controlled waters and transfers in wastewater should be compared separately against the reporting thresholds;
- For releases to controlled waters, the receiving media should be reported as either G = groundwater, R = river, E = estuary or S = sea;
- 'n/a' (not applicable) should be entered against substances not released;
- All releases should be reported in either kilotonnes 'kt', tonnes 't', kilograms 'kg', grams 'g' or milligrams 'mg' per year as appropriate.
- Where a substance may be present but is not detected by the accepted analytical method it should be reported as n/a.

2. Method of release determination

This requires identification of the method used to generate the reported releases and transfers, that is *M* = *Measurement*, *C* = *Calculation* or *E* = *Estimation*. Where the data reported is based on *Measurement* or *Calculation*, further details are required. Please refer to PI reporting guidance for more information about this requirement.

3. Separate figure for any *notifiable* releases, where appropriate

You are required to provide a separate figure for any notifiable releases (defined in paragraph 1 above).

Part 2 Releases to air

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Inorganics		
Ammonia	7664-41-7	1,000
Asbestos	1332-21-4	1
Carbon dioxide	124-38-9	10 million
Carbon dioxide from qualifying renewable fuel sources (Reportable when the total amount of CO ₂ released is above 10 million kg)	124-38-9	
Carbon monoxide	630-08-0	100,000
Hydrogen cyanide	74-90-8	100
Nitrous oxide	10024-97-2	10,000
Sulphur hexafluoride	2551-62-4	10
Organics		
Aldrin	309-00-2	1
Anthracene	120-12-7	10
Benzene	71-43-2	1,000
Benzo(a)pyrene	50-32-8	1
Benzo(b)fluoranthene	205-99-2	1
Benzo(k)fluoranthene	207-08-9	1
Butadiene [1,3-Butadiene]	106-99-0	100
Carbon tetrachloride [Tetrachloromethane]	56-23-5	10
Chlordane	57-74-9	1
Chlordecone	143-50-0	1
Chloroform [Trichloromethane]	67-66-3	100
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	1
Dichloromethane [DCM, Methylene chloride]	75-09-2	1,000
Dieldrin	60-57-1	1
Di(2-Ethylhexyl)phthalate (DEHP)	117-81-7	10
Endrin	72-20-8	1
Ethylene dichloride [1,2-Dichloroethane]	107-06-2	1,000
Ethylene oxide [1,2-Epoxyethane]	75-21-8	1,000
Heptachlor	76-44-8	1
Hexabromobiphenyl	36355-1-8	0.1
Hexachlorobenzene	118-74-1	1
Hexachlorocyclohexane – all isomers	608-73-1	1
Indeno(1,2,3-cd)pyrene	193-39-5	1
Lindane	58-89-9	1
Methane	74-82-8	10,000
Methyl chloroform [1,1,1-Trichloroethane]	71-55-6	10
Mirex	2385-85-5	1
Naphthalene	91-20-3	100
Pentachlorobenzene	608-93-5	1
Pentachlorophenol	87-86-5	1
Tetrachloroethane [1,1,2,2-Tetrachloroethane]	79-34-5	10
Tetrachloroethylene [PERC]	127-18-4	100

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Toxaphene	8001-35-2	1
Trichlorobenzene - all isomers	12002-48-1	1
Trichloroethylene	79-01-6	1,000
Vinyl chloride	75-01-4	1,000
Metals and compounds expressed as mass of the metal only		
Arsenic and compounds - as As	7440-38-2	1
Cadmium and compounds - as Cd	7440-43-9	1
Chromium and compounds - as Cr	7440-47-3	10
Copper and compounds - as Cu	7440-50-8	10
Lead and compounds - as Pb	7439-92-1	100
Mercury and compounds - as Hg	7439-97-6	1
Nickel and compounds - as Ni	7440-02-0	10
Selenium and compounds - as Se	7782-49-2	100
Zinc and compounds - as Zn	7440-66-6	100
Other substance groups reported as total mass unless otherwise stated		
Chlorine and inorganic compounds - as HCl	7782-50-5	10,000
Chlorofluorocarbons (CFCs)	-	1
Dioxins and furans (PCDDs/PCDFs) as I-TEQ	-	0.00001
Dioxins and furans (PCDDs/PCDFs) as WHO-TEQ	-	0.00001
Fluorine and inorganic compounds - as HF	7782-41-4	1,000
Halons	-	1
Hydrochlorofluorocarbons (HCFCs)	-	1
Hydrofluorocarbons (HFCs)	-	100
Nitrogen oxides - NO and NO ₂ as NO ₂	-	100,000
Non-methane volatile organic compounds (NMVOCs)	-	10,000
Particulate matter - PM _{2.5}	-	1,000
Particulate matter - PM ₁₀	-	1,000
Particulate matter - TSP	-	10,000
Perfluorocarbons (PFCs)	-	10
Polychlorinated biphenyls (PCBs)	1336-36-3	0.1
Polychlorinated biphenyls (PCBs) - as WHO-TEQ	1336-36-3	0.00001
Sulphur oxides - SO ₂ and SO ₃ as SO ₂	-	100,000

Part 3 Releases to land

Reporting of releases to land is limited to deep injection and chemical land treatment. It is not for reporting releases to land 'resulting in benefit to agriculture or ecological improvement'

The reportable substances and reporting thresholds shown in the table below are required for the following releases to land:

- Disposal by land spreading within category D2 of Annex IIA of the Waste Framework Directive³;
- Disposal by deep injection within category D3 of Annex IIA of the Waste Framework Directive⁴.

These are required for releases within **or outside** the boundary of the permitted operation.

For other information required in respect of the 'total releases' of each reportable substance, please refer to the section 'Purpose of Parts 2, 3, 4 and 5 of this Schedule'.

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Inorganics		
Asbestos	1332-21-4	1
Organics		
Alachlor	15972-60-8	1
Aldrin	309-00-2	1
Anthracene	120-12-7	1
Atrazine	1912-24-9	1
Benzene (Reportable if sum of BTEX ⁵ exceeds 200 kg)	71-43-2	200
Benzo(a)pyrene	50-32-8	1
Benzo(b)fluoranthene	205-99-2	1
Benzo(k)fluoranthene	207-08-9	1
Chlordane	57-74-9	1
Chlordecone	143-50-0	1
Chlorfenvinphos	470-90-6	1
Chlorpyrifos	2921-88-2	1
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	1
Dichloromethane [DCM, Methylene chloride]	75-09-2	10
Dieldrin	60-57-1	1
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	1
Diuron	330-54-1	1
Endosulfan	115-29-7	1
Endrin	72-20-8	1
Ethylbenzene (Reportable if sum of BTEX ⁵ exceeds 200 kg)	100-41-4	200
Ethylene dichloride [1,2-Dichloroethane]	107-06-2	10
Ethylene oxide [1,2-Epoxyethane]	75-21-8	10
Heptachlor	76-44-8	1
Hexabromobiphenyl	36355-1-8	0.1
Hexachlorobenzene (HCB)	118-74-1	1
Hexachlorobutadiene	87-68-3	1
Hexachlorocyclohexane - all isomers	608-73-1	1

³ Annex I of the Waste Framework Directive 2008/98/EC contains a list of disposal operations, which includes category D2 "Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)";

⁴ Annex I of the Waste Framework Directive 2008/98/EC contains a list of disposal operations, which includes category D3 "injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)";

⁵ BTEX is benzene, toluene, ethylbenzene, and xylenes

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Indeno(1,2,3-cd)pyrene	193-39-5	1
Isoproturon	34123-59-6	1
Lindane	58-89-9	1
Mirex	2385-85-5	1
Naphthalene	91-20-3	10
Pentachlorobenzene	608-93-5	1
Pentachlorophenol (PCP)	87-86-5	1
Simazine	122-34-9	1
Toluene (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	108-88-3	200
Toxaphene	8001-35-2	1
Trifluralin	1582-09-8	1
Vinyl chloride	75-01-4	10
Xylene – all isomers (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	1330-20-7	200
Metals and compounds expressed as mass of the metal only		
Arsenic and compounds – as As	7440-38-2	5
Cadmium and compounds – as Cd	7440-43-9	5
Chromium and compounds - as Cr	7440-47-3	50
Copper and compounds – as Cu	7440-50-8	50
Lead and compounds – as Pb	7439-92-1	20
Mercury and compounds – as Hg	7439-97-6	1
Nickel and compounds - as Ni	7440-02-0	20
Zinc and compounds – as Zn	7440-66-6	100
Other substance groups reported as total mass unless otherwise stated		
Brominated diphenylethers – penta-, octa- and deca-BDE	-	1
Chlorides – as Cl	16887-00-6	2 million
Cyanides – as CN	57-12-5	50
Dioxins and furans (PCDDs/PCDFs) – as I-TEQ	-	0.0001
Dioxins and furans (PCDDs/PCDFs) as WHO-TEQ	-	0.0001
Fluorides – as F	16984-48-8	2,000
Halogenated organic compounds – as AOX	-	1,000
Nitrogen – total	-	50,000
Nonylphenols and nonylphenol ethoxylates	-	1
Organotin compounds - as Sn	-	50
Phenols – phenol and simple substituted phenols as C	108-95-2	20
Phosphorus – total	-	5,000
Polychlorinated biphenyls (PCBs)	1336-36-3	0.1
Polychlorinated biphenyls as WHO-TEQ	-	0.0001
Short chain (C ₁₀₋₁₃) chlorinated paraffins (SCCPs)	85535-84-8	1
Tributyltin and compounds – as TBT	56573-85-4	1
Triphenyltin and compounds – as TPT	668-34-8	1

Parts 4 and 5 Releases to controlled waters & transfers in wastewater

The figures for releases to controlled waters and transfers in wastewater should be compared separately to the reporting threshold.

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Inorganics		
Asbestos	1332-21-4	0.1
Organics		
Alachlor	15972-60-8	0.1
Aclonifen	74070-46-5	To be advised
Aldrin	309-00-2	0.0005
Anthracene	120-12-7	0.1
Atrazine	1912-24-9	0.05
Benzene (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	71-43-2	10
Benzo(a)pyrene	50-32-8	1
Benzo(b)fluoranthene	205-99-2	1
Benzo(g,h,i)perylene	191-24-2	0.1
Benzo(k)fluoranthene	207-08-9	1
BifenoX	42576-02-3	To be advised
Carbon tetrachloride [Tetrachloromethane]	56-23-5	1
Chlordane	57-74-9	0.1
Chlordecone	143-50-0	0.1
Chlorfenvinphos	470-90-6	0.1
Chloroform [Trichloromethane]	67-66-3	5
Chlorpyrifos	2921-88-2	0.1
Cybutryne	28159-98-0	To be advised
Cypermethrin	52315-07-8	0.005
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	0.0005
Dichloromethane [DCM, Methylene chloride]	75-09-2	10
Dichlorvos	62-73-7	To be advised
Diclofenac	15307-86-5	To be advised
DicofoI	115-32-2	To be advised
Dieldrin	60-57-1	0.0005
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.1
Diuron	330-54-1	0.05
17-beta-estradiol (E2)	50-28-2	To be advised
17-alpha-ethinylestradiol (EE2)	57-63-6	To be advised
Endosulfan	115-29-7	0.0005
Endrin	72-20-8	0.0005
Ethylbenzene (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	100-41-4	10
Ethylene dichloride [1,2-Dichloroethane]	107-06-2	10
Ethylene oxide [1,2-Epoxyethane]	75-21-8	1
Fluoranthene	206-44-0	0.1
Heptachlor (and heptachlor epoxide)	76-44-8	0.1
Hexabromobiphenyl	36355-1-8	0.1
Hexabromocyclododecane	25637-99-4	0.1
Hexachlorobenzene	118-74-1	0.01
Hexachlorobutadiene	87-68-3	0.1
Hexachlorocyclohexane – all isomers	608-73-1	0.01
Isodrin	465-73-6	0.0005
Isoproturon	34123-59-6	0.01
Lindane	58-89-9	0.1
Mirex	2385-85-5	0.1
Naphthalene	91-20-3	1

Reportable Substance: common name [alternative name]	CAS no.	Reporting threshold in kg
Pentachlorobenzene	608-93-5	0.1
Pentachlorophenol	87-86-5	0.05
Perfluorooctane sulphonic acid and its derivatives (PFOS)	1763-23-1	0.1
Quinoxifen	124495-18-7	To be advised
Simazine	122-34-9	0.01
Terbutryn	886-50-0	To be advised
Tetrachloroethylene (PERC)	127-18-4	1
Toluene (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	108-88-3	10
Toxaphene	8001-35-2	0.1
Trichlorobenzene – all isomers	12002-48-1	0.01
Trichloroethylene	79-01-6	1
Trifluralin	1582-09-8	0.001
Vinyl chloride	75-01-4	1
Xylene – all isomers (Reportable if sum of BTEX ^{Error! Bookmark not defined.} exceeds 200 kg)	1330-20-7	10
Metals and compounds expressed as mass of the metal only		
Arsenic and compounds - as As	7440-38-2	5
Cadmium and compounds - as Cd	7440-43-9	1
Chromium and compounds - as Cr	7440-47-3	20
Copper and compounds - as Cu	7440-50-8	20
Iron and compounds – as Fe (FOR WALES ONLY)	7439-89-6	1000
Lead and compounds - as Pb	7439-92-1	20
Mercury and compounds - as Hg	7439-97-6	0.1
Nickel and compounds - as Ni	7440-02-0	20
Zinc and compounds – as Zn	7440-66-6	100
Other substance groups reported as total mass unless otherwise stated		
Brominated diphenylethers – tetra-, penta-, hexa-, hepta-, octa- and deca-BDE	-	0.1
Chlorides – as Cl	16887-00-6	2 million
Cyanides – as CN	57-12-5	50
Dioxins and furans (PCDDs/PCDFs) as I-TEQ	-	0.0001
Dioxins and furans (PCDDs/PCDFs) as WHO-TEQ	-	0.0001
Fluorides – as F	-	2,000
Halogenated organic compounds - as AOX	-	1,000
Nitrogen – total	-	50,000
Nonylphenols and nonylphenol ethoxylates	-	1
Octylphenols and octylphenol ethoxylates	1806-26-4	1
Organotin compounds - as Sn	-	5
Phenols – phenol and simple substituted phenols as C	108-95-2	20
Phosphorus – total	-	5,000
Polychlorinated biphenyls (PCBs)	-	0.001
Polychlorinated biphenyls (PCBs) as WHO-TEQ	-	0.0001
Short chain (C ₁₀₋₁₃) chlorinated paraffins (SCCPs)	85535-84-8	0.1
Total organic carbon (TOC)	-	50,000
Tributyltin and compounds - as TBT	-	0.005
Triphenyltin and compounds – as TPT	668-34-8	0.1

For other information required in respect of the 'total releases' of each reportable substance, please refer to the section 'Purpose of Parts 2, 3, 4 and 5 of this Schedule'.

Part 6 Off-site waste transfers

Part 6 should include all off-site transfers of activity-related wastes **except** wastewaters which should be reported in Part 5 as chemical-specific transfers.

For off-site transfers of activity-related wastes, the following information should be provided:

- Weight, in tonnes;
- 6-figure European Waste Catalogue (EWC) code⁵;
- Waste Framework Directive (WFD) disposal and recovery (D&R) codes⁶;
- Identification of the method used to generate the reported data, that is *M = Measurement*, *C = Calculation* or *E = Estimation*, including further details of any *Measurement* or *Calculation* method used.

The following points should also be noted:

- Any wastes already reported in Part 3 - Releases to land (i.e. disposal activities D2 - Land treatment and D3 - Deep injection) should be excluded;
- All hazardous waste transfers should be reported regardless of tonnage;
- Other wastes transferred off-site should be reported where the total transferred exceeds 5 tonnes, otherwise report 'brt' (below reporting threshold) for each category where a transfer occurs;

For any transfers involving the Transfrontier Shipment of Waste (TFS) for recovery additional details, including the name and address of the recoverer and the address of the actual recovery site receiving the transfer, are required. Please refer to PI reporting guidance for more information about how to report TFS.

Part 7 – Overseas Waste Transfer

Part 7 should include any activity-related hazardous waste that is sent overseas for disposal or recovery.

The following information should be provided:

- Total Weight in tonnes
- Identification of the method used to generate the reported data, that is *M = Measurement*, *C = Calculation* or *E = Estimation*, including further details of any *Measurement* or *Calculation* method used.
- Name and address of the recoverer/disposer and the address of the site that is receiving the waste.

⁵ EWC codes: these represent the types of waste as defined in the European Waste Catalogue (EWC);

⁶ WFD disposal and recovery (D&R) codes: these represent the methods of disposal and recovery as defined operations listed in Annex II to the Directive.

