



Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Wessex Water Enterprises Limited

Avonmouth Composting and Aggregate Facility
Bristol Bioresources and Renewable Energy Park
Kings Weston Lane
Avonmouth
Bristol
BS11 0YS

Variation application number

EPR/GB3809UZ/V002

Permit number

EPR/GB3809UZ

Avonmouth Composting and Aggregate Facility

Permit number EPR/GB3809UZ

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (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 permit has been varied to add an aggregate washing facility with a capacity of 20,000 tonnes per year. The output from the facility will be used for land restoration, with the organic fraction being further treated via the composting activity and centrate discharged to sewer.

The composting activity remains the same, however the limit of 1,150 tonnes of waste to be stored at any one time has been removed and additional waste codes, 15 01 01 paper and cardboard and 19 12 12 organic rich, fines light fraction from aggregate treatment, have been added to the permitted wastes.

Under this permit the operator can to carry out a composting activity involving the storage, physical and biological treatment in open windrows. The permit is a bespoke permit due to the nature of some of the waste types and the location of a workplace sited within 250 m from the site. Bioaerosol monitoring is required on a 6 monthly basis.

The maximum waste input into the proposed composting facility will be 30,000 tonnes per annum.

Composting can only be carried out under aerobic conditions and no hazardous wastes are allowed. This permit does not permit the burning of any wastes, either in the open, inside buildings or in any form of incinerator.

The site name has been changed to Avonmouth Composting and Aggregate Facility.

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/AB3037WV/A001	Duly made 12/09/11	Application for open windrow composting facility at Avonmouth Waste Water Treatment Works
Permit determined EPR/AB3037WV	08/05/12	Permit issued to Wessex Water Services Limited
Variation determined EPR/AB3037WV/V002	31/07/12	Varied permit issued
Variation determined EPR/AB3037WV/V003	04/09/15	Varied permit issued
Variation returned EPR/AB3037WV/V004	31/03/18	Variation application returned

Status log of the permit		
Description	Date	Comments
Application EPR/GB3809UZ/T001 (full transfer of permit EPR/AB3037WV)	Duly made 04/12/2018	Application to transfer the permit in full to Wessex Water Enterprises Limited
Transfer determined EPR/GB3809UZ	11/01/19	Full transfer of permit complete
Application EPR/GB3809UZ/V002 (variation) received	Duly made 14/06/2019	Application to add aggregate washing activity, change site name and update waste types
Additional information received	22/07/2019	Confirmation of retention time and bioaerosol monitoring
Additional information received	13/09/2019	Response to Schedule 5 notice, updated odour management plan and details of Gritbuster process
Additional information received	23/09/2019	Confirmation of waste code from the Gritbuster process
Variation determined EPR/GB3809UZ	11/11/2019	Varied and consolidated permit issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/GB3809UZ

Issued to

Wessex Water Enterprises Limited (“the operator”)

whose registered office is

**Wessex Water Operations Centre
Claverton Down Road
Claverton Down
Bath
BA2 7WW**

company registration number 02279151

to operate regulated facilities at

**Avonmouth Composting and Aggregate Facility
Bristol Bioresources and Renewable Energy Park
Kings Weston Lane
Avonmouth
Bristol
BS11 0YS**

to the extent set out in the schedules.

The notice shall take effect from 11/11/2019.

Name	Date
Louise Hann	11/11/2019

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/GB3809UZ

This is the consolidated permit referred to in the variation and consolidation notice for application
EPR/GB3809UZ/V002 authorising,

Wessex Water Enterprises Limited (“the operator”),

whose registered office is

Wessex Water Operations Centre

Claverton Down Road

Claverton Down

Bath

BA2 7WW

company registration number 02279151

to operate waste operations

Avonmouth Composting and Aggregate Facility

Bristol Bioresources and Renewable Energy Park

Kings Weston Lane

Avonmouth

Bristol

BS11 0YS

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

Name	Date
Louise Hann	11/11/2019

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 Avoidance, recovery and disposal of wastes produced by the activities

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

- 2.3.1 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 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.1 and S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.

2.4 Pre-operational conditions

- 2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.3.

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.

3.3 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;
- (b) bioaerosol monitoring specified in table S3.2

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.

3.6 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, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one 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.
- 4.2.3 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.

4.3 Notifications

- 4.3.1 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.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities	
Description of activities for waste operations	Limits of activities
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Treatment operations shall be limited to secure storage, physical treatment, open windrow composting and maturation of the types of waste listed in Table S2.1 The storage, physical treatment, composting and maturation of wastes under anaerobic conditions shall be prevented, or where that is not practicable, minimised. R3 activity (Biological treatment only) shall not exceed 75 tonnes per day.
R5: Recycling/reclamation of other inorganic materials	Physical treatment including manual and mechanical sorting/separation, screening, shredding, washing of non-hazardous waste for recovery. Waste types as specified in Table S2.2
R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced).	The storage and physical treatment of waste shall take place outdoors on hardstanding or an impermeable surface with sealed drainage system

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Sections 3.1, 3.2, 3.3, and 3.4 of the permit application document in response to section 2 on Emissions to air, water and land, part B4 of application form	12/09/2011
Application	Sections 1.1, 4.1, 4.2 and 4.4 of the permit application document in response to section 3 on Operating techniques, part B4 of the application form	12/09/2011
Application	Section 5 of permit application document in response to section 4 on Monitoring, part B4 of application form.	12/09/2011
Additional information	Response to request for further information detailing provision of vehicle manoeuvring area, provision of wheel was facilities, waste acceptance procedures and criteria, and mitigation for receptors sensitive to bioaerosol risk submissions.	02/12/2011
Additional information	Response to Environment Agency comments. Supplementary revisions to the submitted application	09/03/2011
Application	Sections 2 and appendix F of the permit application document in response to section 3, Operating techniques, part C4 of the application form	04/04/2019
Application	Revised Environmental risk assessment	13/06/2019
Response to Schedule 5 Notice dated 27/08/2019	Confirmation of Gritbuster recovery rates and outputs Updated Odour Management Plan	13/09/2019

Table S1.4A Pre-operational measures		
Reference	Pre-operational measures	Complete
PO1	No composting operations shall commence until background sampling of bioaerosols has been undertaken to understand the level of bioaerosols before site activity. This sampling shall be as agreed in writing with the Environment Agency	December 2012
PO2	No composting operations shall take place unless written proposals to ensure appropriate measures to prevent exposure to bioaerosol emissions of any occupied workplace or residential receptor within 250 metres of the permitted area have been submitted to the Environment Agency for approval and the proposals have been implemented in accordance with the Environment Agency's written approval.	December 2012
PO3	Prior to commencement of the operations, the operator shall submit a written odour management plan to the Environment Agency for approval. The plan must be approved by the Environment Agency prior to commencement of the permitted activities. The plan must contain relevant information regarding how the operator will comply with condition 3.2. The odour management plan must comply with relevant Environment Agency guidance "H4 Odour Management: How to comply with your environmental permit". The plan must be approved by the Environment Agency and must be implemented in accordance with the Environment Agency's written approval.	January 2013

Schedule 2 – Waste types

Table S2.1 Permitted waste types and quantities for composting	
Maximum quantity	The total quantity of waste accepted at the site for the above activity shall be less than 30,000 tonnes a year.
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 01	sludges from washing and cleaning
02 02 04	sludges from on-site effluent treatment
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionary industry
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 05	sludges from on-site effluent treatment
04	Wastes from the leather, fur and textile industries
04 01	wastes from the leather and fur industry
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 02	wastes from the textile industry
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
07	Wastes from organic chemical processes
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
15	Waste packaging; absorbent, 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
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil other than those mentioned in 17 05 05

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
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 03	stabilised/solidified wastes
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 06	wastes from anaerobic treatment of waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 06	solutions and sludges from regeneration of ion exchangers
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 07	wood other than that mentioned in 19 12 06
19 12 09	minerals (for example sand, stones)
19 12 12	Organic rich, fines light fraction from aggregate treatment
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 99	municipal wastes not otherwise specified

Table S2.2 Permitted waste types and quantities for aggregate facility	
Maximum quantity	The total quantity of waste accepted at the site for the above activity shall be less than 20,000 tonnes a year.
Waste code	Description
10	
10 01	wastes from power stations and other combustion plants (except 19)
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	dredging spoil other than those mentioned in 17 05 05
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
19 06	wastes from anaerobic treatment of waste
19 06 99	ABP compliant anaerobic digester grit only
19 08	wastes from waste water treatment plants not otherwise specified
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 04	Spent activated carbon
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 12 12	ABP compliant anaerobic digester grit
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues

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 and stabilisation	Temperature	Every working day during the sanitisation period and once per week during stabilisation	Thermocouple probe	Monitoring equipment shall be available on-site and used as required to ensure compliance with this permit.
	Moisture	As required	Moisture meter or moisture touch test	Monitoring shall be carried out to ensure aerobic conditions are maintained and to prevent waste becoming anaerobic.

Table S3.2 Bioaerosol monitoring requirements					
Location or description of point of measurement	Parameter	Bioaerosol threshold limits CFU m ⁻³	Monitoring frequency	Monitoring standard or method	Other specifications
Upwind at site boundary, upwind at pad boundary to W and SW and downwind at site boundary Adjacent to nearest sensitive receptor	Total bacteria	1000	Quarterly for the first year and 6-monthly thereafter if agreed in writing by the Environment Agency	In accordance with the Industry Standard Protocol	As described in the Industry Standard Protocol, including all the additional data requirements specified therein
	Aspergillus fumigatus	500			

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 and S2 on drawing 3 site drainage, 27422-N04.dwg pattn, July 2011	-	-	-	-	-	-

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data		
Parameter	Reporting period	Period begins
Bioaerosol monitoring as required by condition 3.5.1(b)	Every 4 months or as agreed in writing by the Environment Agency	1 January, 1 May, 1 September

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Bioaerosol monitoring	As specified in the Industry Standard Protocol or other form as agreed in writing by the Environment Agency	November 2019

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

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

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

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

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

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

“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.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“maturation” means a stage when by agitating and turning the compost it no longer results in reheating and the monitored temperature falls to ambient without the compost being too dry or anaerobic. Phytotoxins that are formed during the 'active' composting phase are metabolised by micro-organisms, which will result in the final material not being harmful to plants. This usually coincides with drop in pH toward neutral, and the conversion of ammonia into nitrates and recolonisation of beneficial micro-organisms. The maturation phase may need active management by turning to prevent the material becoming anaerobic.

“nearest sensitive receptors” means the nearest place to the composting operations where people are likely to be for prolonged or frequent periods. This term would therefore apply to dwellings (including any

associated gardens) and to workplaces where workers would frequently be present. It does not apply to the operators of composting facilities or their staff while carrying out the composting operation as their health is covered by Health and Safety legislation.

“pests” means birds, vermin and insects.

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

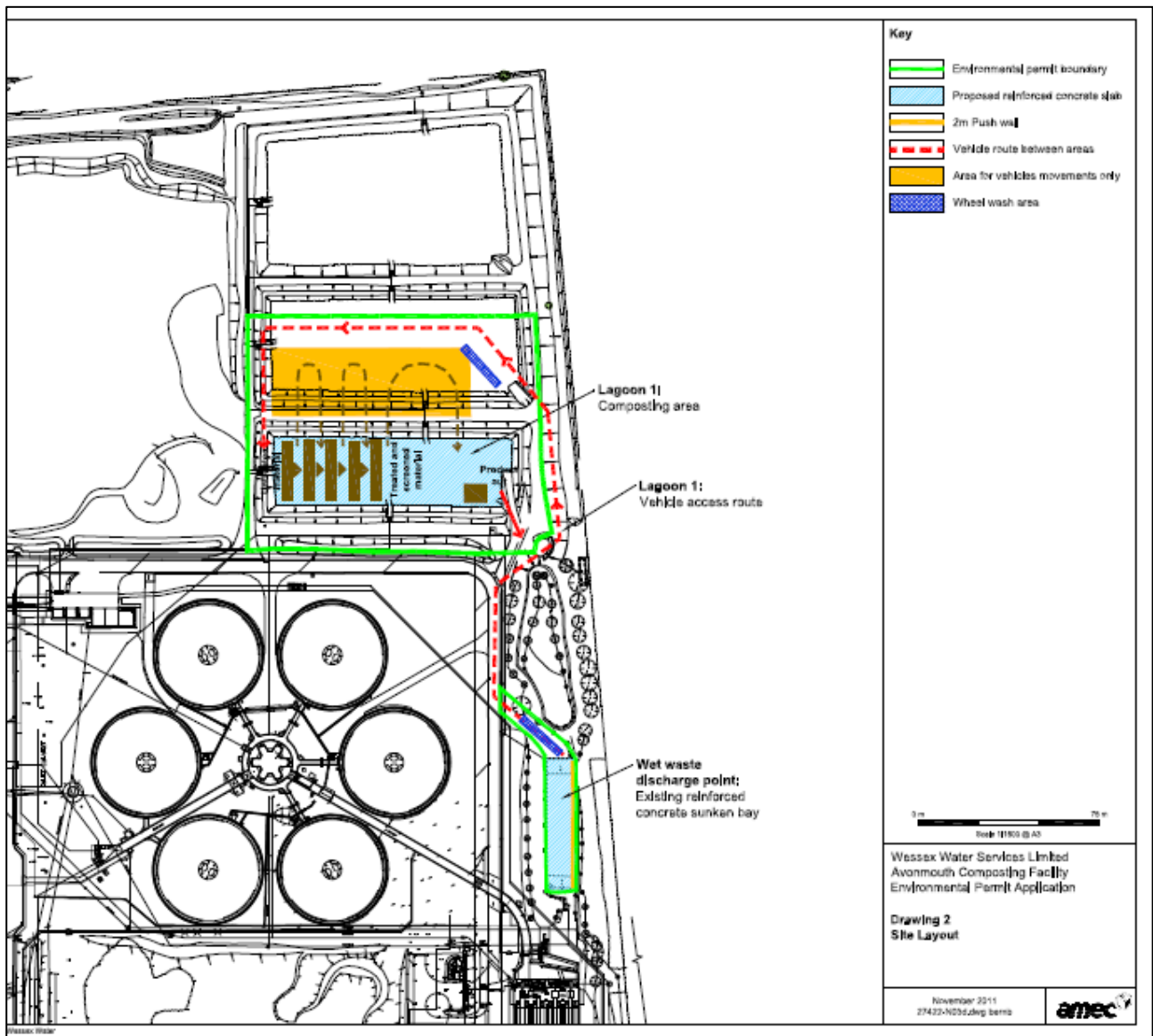
“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT