

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

R A J Ryman & S A W Ryman

Greener Composting
Off Watling Street
Wall
Lichfield
Staffordshire
WS14 0GP

Variation application number

EPR/NP3192FN/V004

Permit number

EPR/NP3192FN

Greener Composting

Permit number EPR/NP3192FN

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.

This variation is for the installation of two Gilles 0.99MWth biomass boilers with two Enogia ENO-40LT Low Temperature Organic Rankine Cycle modules (CHPs). The biomass boilers heat fluid which is used to drive a turbine in the CHP, to generate electricity. The fluid then comes out of the turbine where it runs by a heat exchanger within the boiler to be reheated. The reheated fluid then runs to the drying floor where its heat radiates through the drying floor. The two boilers are separate systems and the heat produced from each boiler will be utilised for drying biomass for export off site for recovery. No electricity is exported to the grid. All electricity generated is used as parasitic load to run the boilers. Both boilers are housed in a bespoke biomass boiler unit which contains the boilers, dedicated walking floors and drying floors. The fuel for the boilers is restricted to Grade A waste wood.

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 received	23/02/2004	Application for an open windrow composting facility.
Licence determined (EAWML 40197) EPR/NP3192FN/A001	04/04/2005	Original permit issued to R A J Ryman and S A W Ryman.
Application variation and consolidation EPR/NP3192FN/V002	20/09/2012	Application to add IVC facility and waste codes.
Schedule 5 dated 14/11/2012 EPR/NP3192FN/V002	05/01/2013	Revised odour management plan and site specific bioaerosol risk assessment
Schedule 5 dated 28/01/2013 EPR/NP3192FN/V002	01/03/2013	Revised odour management plan and site specific bioaerosol risk assessment
Schedule 5 dated 04/03/2013 EPR/NP3192FN/V002	01/04/2013	BAT assessment and OPRA for installations
Schedule 5 dated 09/04/2013 EPR/NP3192FN/V002	30/05/2013	Revised odour management plan and site specific bioaerosol risk assessment
Variation determined EPR/NP3192FN/V002	01/07/2013	Varied and consolidated permit issued.
Application variation EPR/NP3192FN/V003	30/04/2015	Application to change the installation from open windrow and in-vessel composting facility to open windrow composting facility only and to amend waste codes.
Schedule 5 dated 16/06/2015 EPR/NP3192FN/V003	21/07/2015 & 28/07/2015	Revised odour management plan and waste acceptance and storage procedures.
Variation determined EA/EPR/NP3192FN/V003	27/08/2015	Varied permit issued.
Application EA/EPR/NP3192FN/V004 (variation and consolidation)	Received 14/08/2018	Application to vary and update the permit to modern conditions. Duly made 22/10/2018
Additional information EA/EPR/NP3192FN/V004	10/10/2018	Updated Part C2 of the application form Updated Part C3 of the application form Response to Duly Made Questions 1 to 12 Revised; Environmental Risk Assessment EPR-A04 I2 Site Layout Drainage Plan GRC_001 Waste Acceptance OP02 I2 Fire prevention Plan EPR-C06 I2 Fire Prevention Plan Drawing GRC_002
Schedule 5 dated 26/11/2018 EA/EPR/NP3192FN/V004	Received 17/12/2018	Schedule 5 response accompanying document Revised; Fire Prevention EPR-C06 Plan I3 Drainage Management Plan EPR-C04 I2 Waste Treatment Biomass Boiler OP03b I2
Variation determined EPR/NP3192FN/V004	26/02/2019	Varied permit issued in consolidated format

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/NP3192FN

Issued to

R A J Ryman & S A W Ryman ("the operator")

whose principal office is

Manor Farm

Wall

Lichfield

Staffordshire

WS14 0AH

to operate a regulated facility at

Greener Composting

Off Watling Street

Wall

Lichfield

Staffordshire

WS14 0GP

to the extent set out in the schedules.

The notice shall take effect from 26/02/2019

Name	Date
Philip Lamb	26/02/2019

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 2016

Permit number

EPR/NP3192FN

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/NP3192FN/V004** authorising,

R A J Ryman & S A W Ryman (“the operator”),

whose principal office is

**Manor Farm
Wall
Lichfield
Staffordshire
WS14 0AH**

to operate an installation at

**Greener Composting
Off Watling Street
Wall
Lichfield
Staffordshire
WS14 0GP**

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

Name	Date
Philip Lamb	26/02/2019

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 [or other approval issued by the Environment Agency].

1.2 Energy efficiency

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

1.3 Efficient use of raw materials

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

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

2.2 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 S2.2 and S2.3; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 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.

2.3.5 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 The limits given in schedule 3 shall not be exceeded.
- 3.1.2 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.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

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

- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Bioaerosols

- 3.5.1 The operator shall take all appropriate measures, to prevent or where that is not practicable to minimise the release of bioaerosols. Emissions of bioaerosols from the operational activities shall not exceed the emission threshold limits specified in table(s) S3.2.
- 3.5.2 The operator shall where the emission threshold limits are exceeded:
 - (a) notify the Environment Agency and investigate and take remedial action;
 - (b) submit to the Environment Agency for approval within the period specified, a bioaerosols management plan which identifies and minimises the risks of pollution from bioaerosols; and
 - (c) implement the bioaerosols management plan from the date of approval and revise the plan periodically, unless otherwise agreed in writing by the Environment Agency.

3.6 Monitoring

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

3.7 Pests

- 3.7.1 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.
- 3.7.2 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.

3.8 Fire prevention

- 3.8.1 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.

4 Information

4.1 Records

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

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

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

4.2 Reporting

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

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

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

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

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

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

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 In the event:

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

4.3.2 Any information provided under condition 4.3.1 (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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

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

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

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 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 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	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	From receipt of waste through to composting and recovery of by-products. Composting of waste under aerobic conditions in open systems such as outdoor turned windrows or aerated static piles on impermeable surface with sealed drainage system. 50,000 tonnes per annum. Waste types suitable for acceptance are limited to those specified in Table S2.2.
AR2	Section 5.1 Part B (a) (v) The incineration in a small waste incineration plant with an aggregate capacity of 50kg or more per hour of wood waste with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coatings.	The combustion of biomass in two biomass fired boilers with CHP units, each with a rated thermal input of 0.99MWth for the recovery of energy in the form of electrical power and heat for use within the installation	From receipt and storage of wood biomass to production of heat for the drying floors, power generation and combustion products. Untreated wood that contains no halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating and which excludes, in particular, such wood waste originating from construction and demolition waste. 15,000 tonnes per annum Waste types suitable for acceptance are limited to those specified in Table S2.3.
Directly Associated Activity			
AR3	Physical treatment for the purpose of recycling and recovery as a fuel.	R1: Use as a fuel R3: Recycling/reclamation of organic substances which are not used as solvents	Biomass Shed Drying Floors: Treatment including chipping, manual and mechanical sorting, separation and drying of biomass for recovery off site or as a fuel for the biomass boilers.
AR4	Storage of waste pending recovery.	R13: Storage of waste pending the R3 operation (excluding temporary storage, pending collection, on the site where it is produced)	From the receipt of waste to despatch for composting or despatch off site for recovery. Storage of waste on an impermeable surface with sealed drainage system. Waste types suitable for acceptance are limited to those specified in Table S2.2.

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
AR5	Physical treatment for the purpose of recycling	R3: Recycling/reclamation of organic substances which are not used as solvents	From the receipt of waste to despatch for composting or despatch off site for recovery. Pre-treatment of waste prior to composting on an impermeable surface including shredding and screening. Post-treatment of processed compost on an impermeable surface including screening to remove contraries. Waste types suitable for acceptance are limited to those specified in Table S2.2.
AR6	Raw material storage	Storage of raw materials including lubrication oil, diesel.	From the receipt of raw materials to despatch for use within the facility.
AR7	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.
AR8	Process water collection and storage	Collection and storage of compost liquor/leachate in onsite lagoon.	From the receipt of compost leachate produced at the facility to despatch off site for recovery or disposal.
AR9	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in onsite lagoon.	From the collection of uncontaminated roof and site surface water from non-operational areas only to re-use within the facility or discharge off-site.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/NP3192FN/V002	Section 3, in response to section 3a, technical standards, part C4 of the application form.	22/02/2012
Response to Schedule 5 Notice dated 04/03/13	BAT Assessment	01/04/2013
Response to Schedule 5 Notice dated 09/04/13	GC06 Odour Management Plan V5 GC09 Site Specific Bioaerosol Risk Assessment V5	30/05/2013
Application EPR/NP3192FN/V003	Response to question 3, 4 and 6 of Part C3 application form	30/03/2015
Response to Schedule 5 Notice dated 16/06/15	All parts	21/07/2015 & 29/07/2015
Application EPR/NP3192FN/V004	Section 3, in response to section 3a, technical standards, part C3 of the application form.	14/08/2018

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/NP3192FN/V004	Odour management plan reference ER-C03 dated 10/08/2018 in response to section 3B, Table 3 – General Requirements, Part C3 of the application form. Including; Environmental Risk Assessment EPR-A04 I2 Site Layout Drainage Plan GRC_001 Waste Acceptance OP02 I2 Fire Prevention Plan Drawing GRC_002	14/08/2018 10/10/2018
Response to Schedule 5 Notice dated 22/11/2018 EPR/NP3192FN/V004	Technical standards detailed in Schedule 5 notice including: Updated Drainage Management Plan EPR-C04 I2 excluding section 4.4; Updated Waste Treatment Biomass Boiler OP03b I2.	17/12/2018
Response to Schedule 5 Notice dated 22/11/2018 EPR/NP3192FN/V004	Approved Fire Prevention Plan consisting of the following documents; Updated Fire Prevention Plan EPR-C06 Plan I3 and the following additional document; Accompanying Schedule 5 Fire Prevention Plan response document and; Fire Prevention Plan Drawing GRC_002.	17/12/2018

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1	The operator shall submit a report on the baseline conditions of soil and groundwater at the installation. The report shall contain the information necessary to determine the state of soil and groundwater contamination so as to make a quantified comparison with the state upon definitive cessation of activities provided for in Article 22(3) of the Industrial Emissions Directive (IED). The report shall contain information, supplementary to that already provided in application Site Condition Report, needed to meet the information requirements of Article 22(2) of the IED.	Completed 08/08/2017
IP2	The operator shall submit the written protocol referenced in condition 3.2.4 for the monitoring of soil and groundwater for approval by the Environment Agency. The protocol shall demonstrate how the Operator will meet the requirements of Articles 14(1)(b), 14(1)(c), 14(1)(e) and 16(1) of the IED.	Completed 08/08/2017
IP3	The operator shall ensure that a review of the design, method of construction and integrity of the existing site primary and secondary containment is carried out by a qualified structural engineer. The review shall compare the constructed secondary containment against the standards set out in Section 2.2.5 of Sector Guidance Note IPPC S5.06 – Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste and CIRIA C736 – Containment Systems for the Prevention of Pollution – secondary, tertiary and other measures for industrial and commercial premises or other relevant industry standard. The review shall include: physical condition of the existing secondary containment; the suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure and fire water; any work required to ensure compliance with the standards set out in CIRIA C736 or other relevant industry standard; and	By 01/09/2019

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>a preventative maintenance and inspection regime.</p> <p>A written report of the review shall be submitted to the Environment Agency detailing the review's findings and recommendations. Remedial action shall be taken to ensure that the secondary containment meets the standards set out in the guidance documents and implement the maintenance and inspection regime.</p>	
IP4	<p>The operator shall submit a written report to the Environment Agency for approval. The report shall contain the results of a review of the site drainage system and lagoon and include but not be limited to:</p> <p>Confirmation that the lagoon and the drainage system have sufficient capacity that includes;</p> <ul style="list-style-type: none"> • includes potential firefighting waters if an incident occurred; • that the lagoon provides at least 750mm of freeboard; • that the storage lagoon has adequate void space over a weekend or when high rainfall is predicted to prevent overtopping; • that all systems should be fitted with high level alarms and a record of inspection of levels kept on site; • evaluation of the feasibility of upgrading the drainage system; for example including an appropriately sized above ground tank, instead of or in series with the current lagoon. <p>The report must contain a timetable for the implementation of any improvements identified to be phased in.</p> <p>The operator shall implement the improvements within the report as approved, and from the date stipulated by the Environment Agency.</p>	By 01/09/2019
IP5	<p>The operator shall develop and submit a fire prevention plan to the Environment Agency in writing. The plan shall take into account the required information as specified in the Environment Agency's technical guidance, 'Fire prevention plans' (version 2, dated March 2015). The fire prevention plan shall include the appropriate measures for fire prevention and, as a minimum, include:</p> <ul style="list-style-type: none"> • the management of storage of feedstock, product and waste piles; • the measures to prevent, detect and contain fires; and • the management of fire-waters. <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the written proposals.</p> <p>The fire prevention plan shall be subject to a written approval by the Environment Agency. The operator shall implement the procedures and measures as approved, and from the date stipulated by the Environment Agency.</p>	Superseded by submissions approved by this variation

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
-	-

Maximum quantity	Annual throughput shall not exceed 50,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations; - wastes that are in a form which is liquid; - wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; - hazardous wastes
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 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, wood, particle board and veneer other than those containing dangerous substances other than 03 01 04 NO 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 (not containing hazardous substances)
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste) (not containing non-biodegradable veneers or plastics)
15 01 01	paper and cardboard packaging (not containing non-biodegradable veneers or plastics)
15 01 03	wooden packaging (untreated)
15 01 05	composite packaging only biodegradable organic packaging
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood (untreated)

Table S2.2 Permitted waste types and quantities for composting in open systems (AR1)	
Maximum quantity	Annual throughput shall not exceed 50,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations; - wastes that are in a form which is liquid; - wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; - hazardous wastes
Waste code	Description
19	Wastes from waste management facilities, off-site waste water treatment plants and preparation of water intended for human consumption/industrial use
19 05	wastes from the aerobic treatment of solid wastes
19 05 03	off-specification compost (only from a process operated according to PAS 100 and QP requirements or another approved standard)
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01 01	paper and cardboard
20 01 38	wood
20 01 39	plastics (compostable plastics only)
20 02	Garden and park waste (including cemetery waste)
20 02 01	biodegradable waste plant matter only

Table S2.3 Permitted waste types and quantities for biomass fuel processing (AR2)	
Maximum quantity	Annual throughput shall not exceed 15,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing treated wood, wood-preserving agents or other biocides; Wood waste originating from construction and demolition waste.
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
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 03	Wastes from pulp, paper and cardboard production and processing
03 03 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)

Table S2.3 Permitted waste types and quantities for biomass fuel processing (AR2)	
Maximum quantity	Annual throughput shall not exceed 15,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Wastes containing treated wood, wood-preserving agents or other biocides; Wood waste originating from construction and demolition waste.
Waste code	Description
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 (untreated)

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7] B1 [Point A1 on site plan in Schedule 7]	CHP Biomass Boilers	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	190 mg/Nm ³	Hourly average	Every 3 years	Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O ₂ content of 15% for engines Reference methods specified in EA TGN M2 Monitoring of stack emissions to air.

Location or description of point of measurement	Parameter	Bioaerosols threshold limits CFU m⁻³)	Monitoring frequency	Monitoring standard or method	Other specifications
Upwind of the operational area, as described in the Technical Guidance Note M9	Total bacteria	1000 ^{Note 1}	Quarterly for the first year of operation and twice a year thereafter, unless another frequency is agreed in writing by the Environment Agency	In accordance with Technical Guidance Note M9 – Environmental monitoring of bioaerosols at regulated facilities.	As described in the Technical Guidance Note M9, including all the additional data requirements specified therein.
Downwind of the operational area, as described in the Technical Guidance Note M9	Aspergillus Fumigatus	500 ^{Note 1}			

Note 1 – The bioaerosols threshold limits are only applicable at downwind sampling locations.

Table S3.3 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; Storage Lagoon; 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.

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1.	Biomass CHP Boilers A1 and A2	Every 3 years	1 January
Bioaerosols monitoring Parameters as required by condition 3.6.1	As specified in schedule 3 table S3.2	Every 6 months or as agreed in writing by the Environment Agency	1 January, 1 July,

Parameter	Units
Processed compost	Tonnes
Processed Biomass treated and used as the source of fuel for the biomass boilers	Tonnes
Processed Biomass treated and exported of site	Tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	13/02/2019
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	13/02/2019
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	13/02/2019
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	13/02/2019
Bioaerosols	As specified in the Technical Guidance Note M9 or other form as agreed in writing by the Environment Agency	13/02/2019
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	

(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.

“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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“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 to land” includes emissions to groundwater.

“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.

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

“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.

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

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

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

“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.

“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.

“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

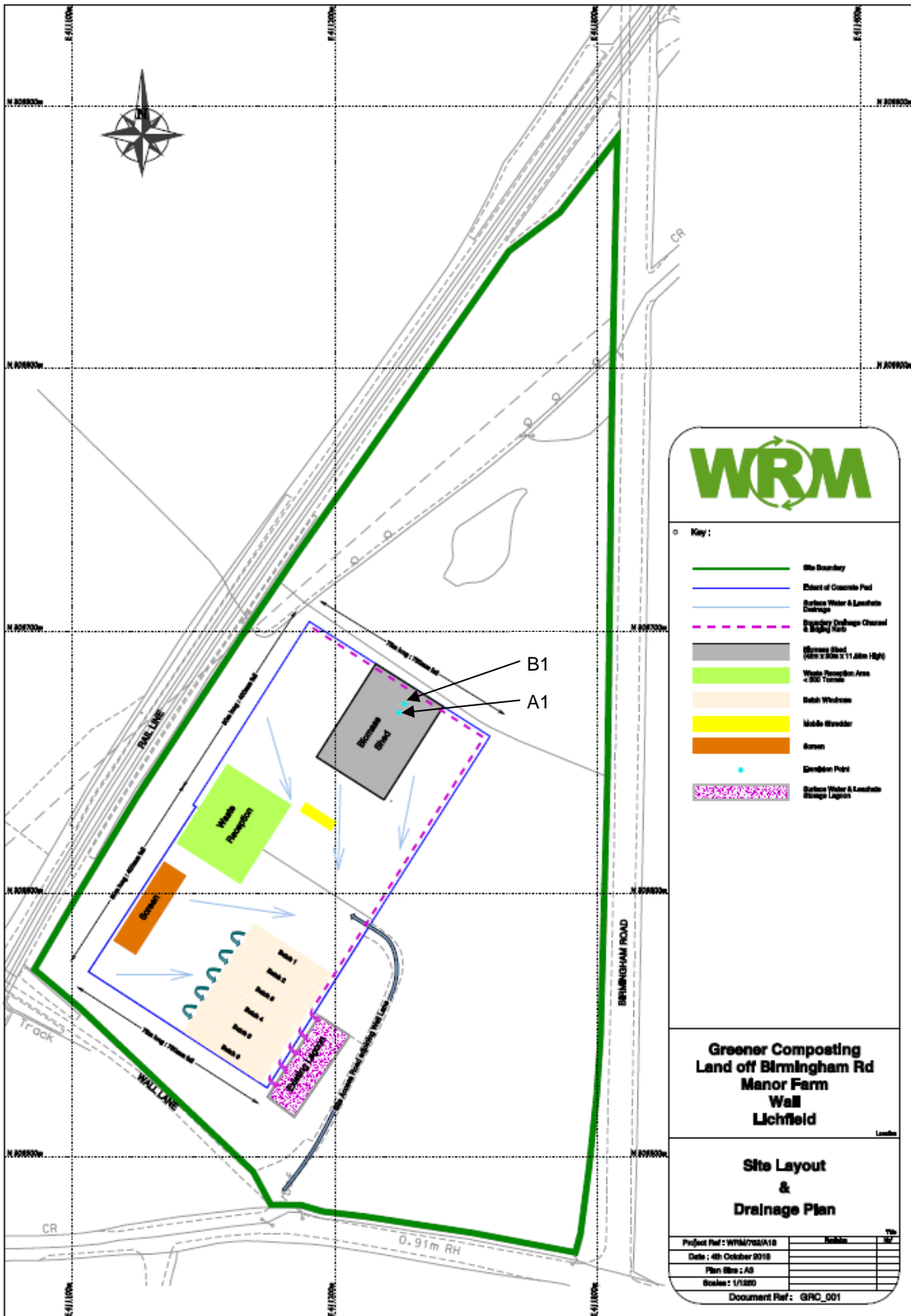
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT