

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Viridor Waste (Greater Manchester) Limited
Trafford Park In Vessel Composting
Nash Road
Trafford Park
Greater Manchester
M17 1SX

Variation application number

EPR/CP3697EJ/V003

Permit number

EPR/CP3697EJ

Trafford Park In Vessel Composting

Permit number EPR/CP3697EJ

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

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 an IED Installation.

Trafford Park In Vessel Composting is located within an industrial area in Trafford Park, Greater Manchester at National Grid Reference SJ 77729 97693. The in-vessel composting waste activity is now varied to an installation activity under Schedule 1 Part 2 Section 5.4 Part 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’. The in-vessel composting facility has an annual throughput of 50,000 tonnes including source segregated green waste and source segregated food waste.

The schedules specify the changes made to the original 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	Duly made 03/04/2009	Application for a bespoke in-vessel compost operation.
Permit determined EPR/CP3697EJ	27/05/2010	Permit issued to Viridor Waste (Greater Manchester) Limited.
Application EPR/CP3697EJ/V002 (variation)	02/11/2012	Application to add three waste codes.
Variation determined EPR/CP3697EJ	07/12/2012	Variation notice issued.
Application EPR/CP3697EJ/V003 (variation)	Duly made 15/09/2015	Application to vary permit to include a newly prescribed activity under the Industrial Emissions Directive (IED).
Variation determined EPR/CP3697EJ	09/10/2015	Varied permit issued.

End of introductory note

Notice of variation

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

Permit number

EPR/CP3697EJ

Issued to

Viridor Waste (Greater Manchester) Limited (“the operator”)

whose registered office is

Peninsula House

Rydon Lane

Exeter

Devon

EX2 7HR

company registration number 02705057

to operate a regulated facility at

Trafford Park In Vessel Composting

Nash Road

Trafford Park

Greater Manchester

M17 1SX

to the extent set out in the schedules.

The notice shall take effect from 09/10/2015

Name	Date
Rebecca Warren	09/10/2015

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as detailed, following an application made by the operator:

- Table S1.1 as referenced by Condition 2.1.1 is amended to reflect the changes to Schedule 1 of the Environmental Permitting Regulations introduced by the Industrial Emissions Directive. Table S1.1 now reads as follows:

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 waste under aerobic conditions in closed vessels.</p> <p>Composting and stabilisation shall take place in a building on an impermeable surface with a sealed drainage system.</p> <p>Composting and stabilisation of wastes under anaerobic conditions shall be prevented, or where that is not practicable, minimised.</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 or disposal	R13: Storage of waste pending the operations numbered R1 and R3 (excluding temporary storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for composting or despatch off site for recovery and/or disposal.</p> <p>All wastes must be stored in a building on an impermeable surface with a sealed drainage system.</p> <p>Undertaken in relation to Activity A1.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>

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
A3	Physical treatment for the purpose of recycling	R3: Recycling/reclamation of organic substances which are not used as solvents	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Physical treatment of waste must take place in a building on an impermeable surface with a sealed drainage system.</p> <p>Undertaken in relation to Activity A1.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
A4	Raw material storage	Storage of raw materials including lubrication oil, odour control chemicals, activated carbon and diesel.	<p>From the receipt of raw materials to despatch for use within the facility.</p> <p>Undertaken in relation to Activity A1.</p>
A5	Compost storage	Storage of processed compost.	<p>From the receipt of processed compost produced at the facility to despatch for use off-site.</p> <p>Undertaken in relation to Activity A1.</p>
A6	Process water collection and storage	Collection and storage of compost liquor/leachate.	<p>From the receipt of compost leachate produced at the facility to despatch for treatment at the facility or despatch off site for recovery or disposal.</p> <p>Undertaken in relation to Activity A1.</p>
A7	Surface water collection and storage	Collection and discharge of uncontaminated roof and site surface water via an interceptor and cut-off valve to surface water drainage,	<p>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.</p> <p>Undertaken in relation to Activity A1.</p>

- Table S1.3 as reference by Condition 2.4.1 is amended to include an additional improvement condition.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
1	The operator shall monitor emissions of bioaerosols upwind and downwind of the site (as per table S3.3) following commissioning according to: A Standardised Protocol for the Monitoring of Bioaerosols at Open Composting Sites.	Complete
	<p>A report shall be submitted to the Agency that proposes appropriate emission limit values and further on-going monitoring for bioaerosols, having due regard to the fate of the substance.</p> <p>The proposed emission limit values will take into account the background levels identified as part of the pre-operational measures shown in Table S1.4A. The report shall also contain a review of appropriate measures to assess whether further abatement or other improvements are necessary in order to reduce the concentration / quantity of that emission.</p> <p>Where further on-going monitoring, abatement or other improvements are proposed the report shall include an implementation timetable.</p>	Complete
2	The operator shall submit revised written procedures for approval to meet all the relevant BAT requirements for the in-vessel composting activity detailed in Sector Guidance Note S5.06. The procedures must contain dates for implementation of individual measures.	09/04/2016

- Table S2.1 as referenced by Condition 2.3.2 is re-numbered in the permit. Table S2.1 (now re-numbered as Table S2.2) reads as follows:

Table S2.2 Permitted waste types and quantities for composting in closed systems	
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; - 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 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw) only
02 01 07	wastes from forestry (composting wood and plant tissue)
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 02	animal-tissue waste (excluding animal blood)
02 02 03	shells from shellfish processing (where all the flesh has been removed)
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast

Table S2.2 Permitted waste types and quantities for composting in closed systems	
Maximum quantity	Annual throughput shall not exceed 50,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - wastes that are in a form which is liquid.
Waste code	Description
	extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 01	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 05	sludges from on-site effluent treatment
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, 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
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 veneers or plastic coated
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)
17 05	soils (excluding excavated soils from contaminated sites), stones and dredging spoil

Table S2.2 Permitted waste types and quantities for composting in closed systems	
Maximum quantity	Annual throughput shall not exceed 50,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - wastes that are in a form which is liquid.
Waste code	Description
17 05 04	soil and stones other than those mentioned in 17 05 03
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 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 wood containing dangerous substances
19 12 09	minerals for example sand and stones
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
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 (where no non-biodegradable coating or preserving substance present)
20 01 08	biodegradable kitchen and canteen waste
20 01 38	wood other than that mentioned in 20 01 37 (where no non-biodegradable coating or preserving substance present)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste (comprising wood and plant tissue)
20 03	other municipal wastes
20 03 02	biodegradable waste from markets

- Condition 3.1.1 is amended to reference the point source emissions to sewer and point source emission to surface waters.

Condition 3.1.1

There shall be no point source emissions to water, air or land except from the sources and emission points listed in Schedule 3 tables S3.1, S3.4 and S3.5.

Table S3.4 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
S1 on site installation plan in Schedule 7 emission to foul sewer	Process surface water run-off from operational areas	No parameter set	No limit set	--	--	--

Table S3.5 Point Source emissions to water (surface water sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
SW1 on site installation plan in schedule 7 emission to surface water sewer	Uncontaminated site surface water from roofs and non operational areas	No parameter set	No limit set	--	--	--

- Table S4.2 as referenced by Condition 4.2.3 is amended to reflect the reporting requirements for facilities permitted under the Industrial Emissions Directive. Table S4.2 (now Table S4.4) reads as follows:

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Bioaerosols	As specified in the Industry Standard Protocol or other form as agreed in writing by the Environment Agency	--
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	09/10/2015
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	09/10/2015
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	09/10/2015
Waste returns	E-waste Return Form	--

- Conditions 4.3.1, 4.3.2 and 4.4.2 are amended to reflect the changes to Schedule 1 of the Environmental Permitting Regulations introduced by the Industrial Emissions Directive – notification by the operator. Conditions 4.3.1, 4.3.2 and 4.4.2 now read as follows:

Condition 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.

Condition 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.

Condition 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 3 – conditions to be added

The following conditions are added as a result of the application made by the operator and in accordance with the requirements of the Industrial Emissions Directive:

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.

2.3 Operating techniques

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 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.

3.1 Emissions to water, air or land

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.5 Monitoring

3.5.4 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.

4.2 Reporting

4.2.4 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.

4.2.5 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.

4.3 Notifications

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

Schedule 2 – Waste types, raw materials and fuels

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

Schedule 4 – Reporting

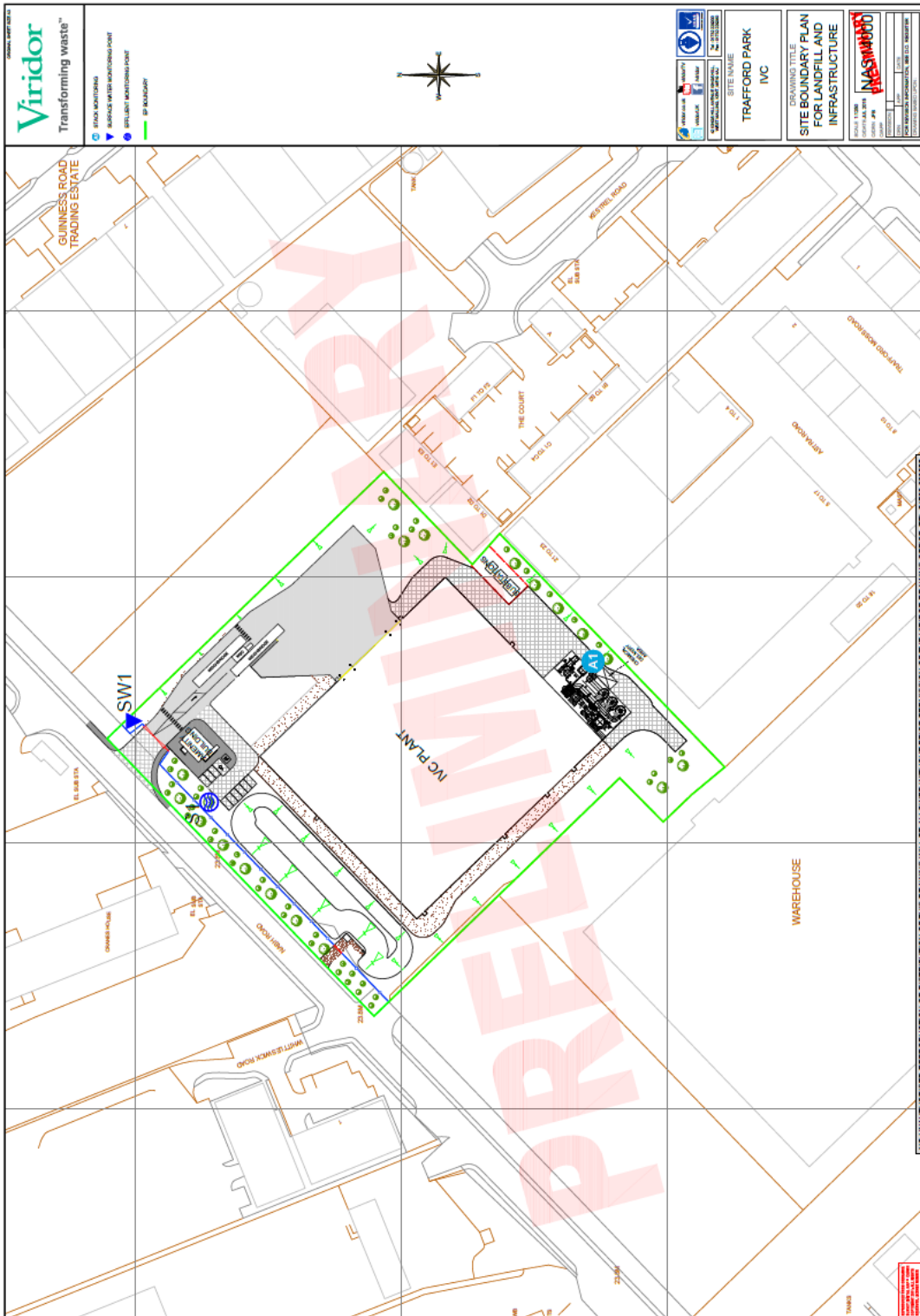
Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

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
Raw material usage	Annually	tonnes or m ³

Schedule 4 – amended plan

Amended plan attached



Installation plan

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Permit Number: **EPR/CP3697EJ**

Operator: **Viridor Waste (Greater Manchester) Limited**

Facility: **Trafford Park IVC**

Form Number: **Water Usage1 / 09/10/15**

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: EPR/CP3697EJ

Operator: Viridor Waste (Greater Manchester) Limited

Facility: Trafford Park IVC

Form EnergyUsage1 / 09/10/15
Number:

Reporting of Energy Usage for the year

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

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

