Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Atlantic Recycling Limited

Atlantic Recycling Limited
Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

Permit number

EPR/PP3993VS

Atlantic Recycling Limited
Permit number EPR/PP3993VS

Introductory note

This introductory note does not form a part of the permit

This permit authorises:
In-vessel composting facility:
Predominantly green waste will be accepted for composting in closed vessels. All storage and treatment will take place on an impermeable surface with sealed drainage. Process effluent will be kept separate from clean, rainfall dependant run-off and stored in an impermeable lagoon for transfer off site. The annual throughput will be no more than 60,000 tonnes.

Waste transfer station with treatment:
The waste transfer station will accept non-hazardous and hazardous wastes. All storage and treatment shall be undertaken on an impermeable surface with sealed drainage. Fines from the treatment process will pass to the refuse derived fuel production activity on site, where suitable. There must be no treatment of the hazardous wastes or any wastes specified in Table S2.2b, other than bulking up for onward transport. Wastes specified in Table S2.2a may be treated for recovery or disposal. The annual throughput will be no more than 130,000 tonnes.

Soil processing facility:
No hazardous waste is to be accepted for storage or treatment as part of the soil processing activity. All storage and treatment of waste will take place on impermeable surface with sealed drainage unless otherwise agreed in writing with Natural Resources Wales. The annual throughput will be no more than 30,000 tonnes.

Wood processing facility:
No hazardous waste is to be accepted for storage or treatment as part of the wood processing. All storage and treatment of waste will take place on impermeable surface with sealed drainage. The annual throughput will be no more than 20,000 tonnes.

Refuse derived fuel and solid recovered fuel facility:
Waste will be stored (prior to treatment) and treated within a building. Treated wrapped or bailed RDF and SRF is permitted to be stored outside on impermeable surface with sealed drainage. No hazardous waste is to be accepted for storage or treatment as part of the refuse derived fuel processing facility. The annual throughput will be no more than 40,000 tonnes.

This permit does not allow any emission into surface waters or groundwater except:

- clean water from roofs and parts of the site not used for waste activities including storage of wastes, and

- permitted integral discharge from the waste transfer station with treatment and wood processing activities (in line with the conditions set out in table S1.1)

Under the emissions of substances not controlled by emission limits condition, clean rainfall dependent surface water which drains to the surrounding reens is permitted. These emissions will be monitored.

This permit does not permit the burning of any materials on site.

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

Status log of the permit		
Description	**Date**	**Comments**
EAWML 30347 issued	14/10/05	Licence issued to Neal Soil Suppliers Limited for a waste transfer station and Soil recycling facility
Variation issued ERP/VP3395FK	02/12/09	Permit varied to include additional EWC codes to be allowed under the permit
Transfer issued EPR/PP3993VS (full transfer of EPR/VL3395FK)	15/11/10	Permit transferred from Neal Soil Suppliers Limited to Atlantic Recycling Limited
Application EPR/PP3993VS/V002 (variation and consolidation)	Duly made 05/10/11	Variation to include in-vessel composting facility, waste transfer station with treatment and wood processing activities and update the permit to modern conditions.
Additional information received	02/12/11	Information received in response to points 2 to 6 of the schedule 5 notice issued on 04/11/11, confirming the refuse derived fuel activity was to be included as part of the variation, which waste streams will be accepted at each activity, site plan indicating all emission and monitoring points and confirmation of the site name.
Additional information received	06/01/12	Odour management plan received in response to point 1 of the schedule 5 notice issued on 04/11/11.
Variation determined EPR/PP3993VS/V002	02/03/12	Varied and consolidated permit issued in modern condition format.
Variation determined EPR/PP3993VS/V003	16/08/12	Administrative variation to remove EWC codes.
Application EPR/PP3993VS/V004	Duly Made 18/01/13	Variation to allow external storage of RDF and SRF, SRF production, removal of ten tonne a day limit for asbestos and amendments to monitoring tables.
EPR/PP3993VS	10/04/13	Permit issued

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/PP3993VS

Natural Resources Wales hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Atlantic Recycling Limited ("the operator"),

whose registered office is

Atlantic Ecopark
Newton Road
Rumney
Cardiff
CF3 2EJ

company registration number 05788239

to operate waste operations at

Atlantic Recycling Limited
Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

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

Name	Date
Eirian Macdonald	**10/04/13**

Authorised on behalf of Natural Resources Wales

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 (a) 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 Natural Resources Wales.

(b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.

2.3.2 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 table(s) S2.1, S2.2 [, S2.3 etc], and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.4 Technical requirements

Hazardous waste storage and treatment

2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

WEEE treatment

2.4.2 The storage (including temporary storage) and treatment of WEEE shall be carried out in accordance with the technical requirements of Annex III of the WEEE Directive.

2.5 Improvement programme

2.5.1 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 Natural Resources Wales.

2.5.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

2.6 Pre-operational conditions

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

2.6.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table 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 tables S3.1, S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales .

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 Natural Resources Wales, 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 Natural Resources Wales, 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 Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales 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 Natural Resources Wales.

3.5 Pests

3.5.1 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.

3.5.2 The operator shall:

(a) if notified by Natural Resources Wales, submit to Natural Resources Wales 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 Natural Resources Wales.

3.6 Monitoring

3.6.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1;

(b) surface water or groundwater specified in tables S3.2 and S3.3;

(c) process monitoring specified in table S3.4;

(d) bio aerosol monitoring specified in table S3.5.

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 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.

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, S3.2 [,S3.3 etc] unless otherwise agreed in writing by Natural Resources Wales.

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 Natural Resources Wales, 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 Natural Resources Wales.

4.2 Reporting

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

4.2.2 Within one month of the end of each quarter, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales, 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 S4.2 ; 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 submit to Natural Resources Wales a bi-annual report of the efficiency of the biofilter in the first year of compost operations. This shall include but not be limited to, the assessment of the efficiency to reduce odours, the summary of maintenance and any recommissioning planned or conducted, assessment of back pressure, venting and cracking. Thereafter the operator shall submit the report within one month of the end of each year, unless otherwise agreed in writing by Natural Resources Wales.

4.3 Notifications

4.3.1 Natural Resources Wales 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 Natural Resources Wales 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 Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales 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) Natural Resources Wales 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		
Activity reference	**Description of activities for waste operations**	**Limits of activities**
A1 In-vessel composting	**R13**: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment and storage of all non-hazardous wastes shall be on an impermeable surface with sealed drainage. No waste shall be stored within 10 metres of a reen or ditch and no trafficking of vehicles should occur within this buffer zone. The buffer zones should be clearly defined with a fence or bund. All treatment and maturation shall take place inside an enclosed reactor vessel/enclosed building under negative pressure, connected to a bio-filter and/or equivalent abatement system. The bio-filter and/or equivalent abatement system shall be specifically designed to minimise the release of odour, bio aerosols and micro organisms and be fit for purpose.
	R3:Recycling/ reclamation of organic substances which are not used as solvents	Physical treatment consisting only of: - composting - maturation - manual separation - sorting - shredding - screening - bagging of the types of waste listed in table S2.1 for the purpose of recovery. The treatment capacity of any plant shall not exceed 10 tonnes per day of animal waste. Waste types as specified in Table S2.1 Wastes accepted under EWC codes 02 03 04, 02 05 01, 02 06 01, 03 01 05, 15 01 03, 17 02 01, 20 01 01, 20 01 38 and 20 02 01 must comply with the specific descriptions given in table S2.1. Notwithstanding the waste types permitted in table S2.1 wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes consisting solely or mainly of dusts or powders

Table continued overleaf

Table S1.1 activities		
A2 Waste transfer station with treatment	**D15**: Storage pending any of the operations number D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) **R13**: Storage of wastes pending any of the operations number R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced **D9**: Physico-chemical treatment not specified elsewhere in Annex IIA which result in final compounds or mixtures which are discarded by means of any the operations number D1 to D8 and D10 to D12 **R3**:Recycling/ reclamation of organic substances which are not used as solvents **R4**: Recycling/ reclamation of metals and metal compounds **R5**: Recycling/ reclamation of other inorganic materials	Storage of all hazardous and non-hazardous wastes shall be on an impermeable surface with sealed drainage. No waste shall be stored within 10 metres of a reen or ditch and no trafficking of vehicles should occur within this buffer zone. The buffer zones should be clearly defined with a fence or bund. The maximum quantity of hazardous waste received and stored at the site for recovery or disposal shall not exceed 50 tonnes per day. No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste codes 16 01 03 and 19 12 04) shall be stored at the site. Treatment consisting only of: - manual and mechanical sorting - separation - screening - bailing - shredding - crushing - compaction of non-hazardous waste as set out in Table S2.2a into different components for disposal (no more than 50 tonnes per day), or recovery. There shall be no treatment of hazardous wastes or wastes specified in Table S2.2b, other than bulking up for onward transport. Treatment of all non-hazardous wastes shall be on an impermeable surface with sealed drainage. Asbestos waste shall be stored within clearly identified segregated, secure lockable containers on an impermeable surface with sealed drainage and where not accepted on to the site within already secured containers, shall be double bagged. Waste types as specified in Tables S2.2a and S2.2b. Notwithstanding the waste types permitted in table S2.2a and S2.2b wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes consisting solely or mainly of dusts or powders - wastes which are odour producing or likely to be odourous - wastes consisting of or contaminated with Japanese Knotweed. *Table continued overleaf*

Table S1.1 activities		
	Process effluent discharge	As far as it is reasonably practicable the works shall be operated so as to prevent the discharge from containing any significant trace of visible oil or grease.
	Surface run off from the treatment and storage areas within the licensed area.	The discharge shall be made in the manner and at the place specified as: A, Discharging via a class one oil interceptor B, Discharging to the Reens within the Gwent levels - Rumney and Peterstone site of Special Scientific Interest. C, At National grid reference ST 23758 78564 being a reasonable conversion from the largest scale Admiralty chart including waters described in paragraph B above. D, Shown marked as D1 on Drawing reference number JER5040-002b.
		As far as is reasonably practicable, the site shall be operated so as to prevent: A, any matter being present in the discharge to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or otherwise cause damage to the ecology of those waters; and B, the discharge from having any other adverse environmental impacts.

Table continued overleaf

Table S1.1 activities		
A3 Soil Processing activity	**R13**: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of all non-hazardous wastes shall be on an impermeable surface with sealed drainage, unless otherwise agreed in writing with the Natural Resources Wales, as set out in pre-operational condition 1 of table S1.4B. Maximum storage shall not exceed 100,000 tonnes at anyone time. No waste shall be stored or spread within 10 metres of a reen or ditch and no trafficking of vehicles should occur within this buffer zone. The buffer zones should be clearly defined with a fence or bund.
	D15: Storage pending any of the operations numbered D1 – D14	Waste shall not be stored to a height greater than 4 metres and spread to a depth not exceeding 300mm, unless otherwise agreed in writing with Natural Resources Wales. Maximum storage time of one year prior to disposal or three years prior to recovery.
	R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Treatment consisting only of: - physical sorting or separation of waste into different components - screening - blending - crushing of waste for recovery only. Treatment of all non-hazardous wastes shall be on an impermeable surface with sealed drainage unless otherwise agreed in writing with the Natural Resources Wales, as set out in pre-operational condition 2 of table S1.4B.
	R5: Recycling/ reclamation of other inorganic materials	Waste types as specified in Table S2.3 Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes consisting solely or mainly of dusts or powders - wastes which are odour producing or likely to be odourous - wastes consisting of or contaminated with Japanese Knotweed.

Table continued overleaf:

Table S1.1 activities		
A4 Wood processing activity	**R13**: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) **D15:** Storage pending any of the operations numbered D1 – D14 **R3:** Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) **R5:** Recycling/ reclamation of other inorganic materials	Storage of all non-hazardous wastes prior to treatment shall be on an impermeable surface with sealed drainage. No waste shall be stored within 10 metres of a reen or ditch and no trafficking of vehicles should occur within this buffer zone. The buffer zones should be clearly defined with a fence or bund. Treatment consisting only of: - manual and mechanical sorting - separation - cutting - pulverising - shredding - chipping - screening of wood waste for recovery only. Treatment of all non-hazardous wastes shall be on an impermeable surface with sealed drainage. No waste shall be treated within 10 metres of a reen or ditch and no trafficking of vehicles should occur within this buffer zone. Waste types as specified in Table S2.4 Notwithstanding the waste types permitted in table S2.4 wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes consisting solely or mainly of dusts or powders - wastes which are odour producing or likely to be odourous

Table continued overleaf:

Table S1.1 activities		
A5 Refuse derived fuel and solid recovered fuel processing facility	**R13**: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of all non-hazardous waste prior to treatment shall take place inside a building on an impermeable surface with sealed drainage. Treated wrapped or bailed RDF and SRF can be stored either inside a building or outside on impermeable surface with sealed drainage. Treatment of all non-hazardous waste shall take place inside a building on an impermeable surface with sealed drainage.
	D15: Storage pending any of the operations numbered D1 – D14 **R3:**Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) **R5:** Recycling/ reclamation of other inorganic materials	Treatment consisting only of: - mechanical and manual sorting (including optical sorting) - separation/segregation - screening - shredding - bailing - wrapping of non-hazardous waste for the purpose of recovery only. Waste types as specified in Table S2.5 Notwithstanding the waste types permitted in table S2.5 wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes consisting solely or mainly of dusts or powders - wastes which are odour producing or likely to be odourous

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
"How to comply with your environmental permit"	All	N/A
Application	Operational Techniques and Monitoring plan. Summary of Environmental management system. Reference JER5040 date June 2011 Following sections: Section 2 In process controls - 2.1 Pre-acceptance procedures to assess wastes - 2.2 Waste acceptance procedures Section 3 Emissions control and Abatement	18/08/11
Additional information	Odour management plan reference JER5040.	06/01/12
Application	Operational Techniques and Monitoring plan. Site operating procedure/Environmental Management System update Following sections: Section 2 In process controls - 2.5 Waste Storage - 2.5 Waste Transfer Station (detailed description)	18/01/13

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
1	Submit the relevant section(s) of the updated management system (required in condition 1.1.1) for the soil and aggregate processing activity to demonstrate how you will comply with the updated, outcome focused conditions in the consolidated permit, in particular, condition 1.2 - Avoidance, recovery and disposal of wastes produced by the activities. The updated Environmental Management System should include information on, but not limited to: - detailed process descriptions of the activity - suitability of the wastes to be treated via the prescribed method - how wastes that are deemed unsuitable to be treated via the prescribed method will be processed through the site - pollution prevention measures - how the wastes are tracked and monitored whilst on site and undergoing treatment - reporting process for confirming end of waste status for each process product recovered for re-use on or off site.	01/05/12 or as otherwise agreed in writing with Natural Resources Wales

Table S1.4A Pre-operational measures	
Reference	**Pre-operational measures**
1	The operator shall submit a CQA report to confirm the required infrastructure is in place for the in-vessel composting and wood processing activities to Natural Resources Wales for written approval. The in-vessel composting activity shall not commence until Natural Resources Wales has approved the report in writing.

Table S1.4B Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
1	Storage of non hazardous waste other than on an impermeable surface with sealed drainage in connection with the soil processing activity.	The operator shall submit a methodology for the storage of non hazardous waste other than on impermeable surface with sealed drainage to Natural Resources Wales for written approval. The methodology should include but not be limited to: - full characterisation of the waste - storage method and location - suitability of the waste to be stored in the described manner - pollution prevention measures for storing the waste - a risk assessment for the storage. The storage of the waste shall not commence until Natural Resources Wales has approved the methodology in writing.

Table S1.4B Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
2	Treatment of non hazardous waste other than on an impermeable surface with sealed drainage in connection with the soil processing activity.	The operator shall submit a methodology for the treatment of non hazardous waste other than on impermeable surface with sealed drainage to Natural Resources Wales for written approval. The methodology should include but not be limited to: - full characterisation of the waste - treatment method and location - suitability of the waste to be treated in the described manner - pollution prevention measures for storing the waste - a risk assessment for the treatment. The treatment of the waste shall not commence until Natural Resources Wales has approved the methodology in writing.

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Waste types and quantities for in vessel composting (IVC)

Maximum Quantities

The total quantity of waste accepted shall be less than 60,000 tonnes a year.

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)
02 01 07	wastes from forestry
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 02	animal tissue waste
02 02 03	materials unsuitable for consumption or processing
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
02 03 04	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
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 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 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	material unsuitable for consumption or processing
03	**WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	Sawdust, shavings, 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

Table S2.1 Waste types and quantities for in vessel composting (IVC)	
Maximum Quantities The total quantity of waste accepted shall be less than 60,000 tonnes a year.	
Waste Code	**Description**
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging 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)
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 09	plastics
20 01 25	edible oil and fat
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

Table S2.2a Waste types and quantities for waste transfer station with treatment	
Maximum Quantities The total quantity of waste accepted in total shall be less than 112,000 tonnes a year.	
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 09	waste sand and clays
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
02 01 10	waste metal
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
02 03 04	materials unsuitable for consumption or processing
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
03	**WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
04	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
04 01	**wastes from the leather and fur industry**
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	**wastes from the textile industry**
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
07	**WASTES FROM ORGANIC CHEMICAL PROCESSES**
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 13	waste plastic
09	**WASTES FROM THE PHOTOGRAPHIC INDUSTRY**
09 01	**wastes from the photographic industry**
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds

Table continued overleaf

09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	**WASTES FROM THERMAL PROCESSES**
10 03	**wastes from aluminium thermal metallurgy**
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
11	**WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY**
11 05	**wastes from hot galvanising processes**
11 05 01	hard zinc
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 03	end-of-life tyres
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	**off-specification batches and unused products**
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	**batteries and accumulators**
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete

Table continued overleaf

17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**metals (including their alloys)**
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03
17 06	**insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	**vitrified waste and wastes from vitrification**
19 04 01	vitrified waste
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 10	**wastes from shredding of metal-containing wastes**
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 02	ferrous metal

Table continued overleaf

19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	**other municipal wastes**
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 07	bulky waste

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 01	**wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	**wastes from physical and chemical processing of metalliferous minerals**
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	**WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	sludges from washing and cleaning
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 04	materials unsuitable for consumption or processing
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
02 06	**wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
03	**WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
06	**WASTES FROM INORGANIC CHEMICAL PROCESSES**

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	**wastes from the manufacture of inorganic pigments and opacificiers**
06 11 01	calcium-based reaction wastes from titanium dioxide production
08	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	sands from fluidised beds
10 01 26	wastes from cooling-water treatment
10 02	**wastes from the iron and steel industry**
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	**wastes from aluminium thermal metallurgy**
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	**wastes from lead thermal metallurgy**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	**wastes from zinc thermal metallurgy**
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	**wastes from copper thermal metallurgy**
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	**wastes from casting of ferrous pieces**
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	**wastes from casting of non-ferrous pieces**
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
11	**WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY**

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	**wastes from hot galvanising processes**
11 05 02	zinc ash
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 11	**waste linings and refractories**
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
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
17 05 08	track ballast other than those mentioned in 17 05 07

Table S2.2b Waste types and quantities for waste transfer station – storage only	
Maximum Quantities The total quantity of waste accepted shall be less than 18,000 tonnes a year.	
Waste Code	**Description**
17 06	**insulation materials and asbestos-containing construction materials**
17 06 01*	insulation materials containing asbestos
17 06 05*	construction materials containing asbestos[1]
17 08	**gypsum-based construction material**
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 01	**wastes from incineration or pyrolysis of waste**
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
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 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
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 01	solid waste from primary filtration and screenings
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 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 99	other fractions not otherwise specified
20 03	**other municipal wastes**
20 03 03	street-cleaning residues

[1] As far as the land filling of waste is concerned, Member States may decide to postpone the entry into force of this entry until the establishment of appropriate measures for the treatment and disposal of waste from construction material containing asbestos. These measures are to be established according to the procedure referred to in Article
17 of Council Directive 1999/31/EC on the landfill of waste (OJ L 182, 16.7.1999, p.1) and shall be adopted by 16 July 2002 at the latest.'

Table S2.3 Waste types and quantities for soil processing	
Maximum Quantities The total quantity of waste accepted shall be less than 30,000 tonnes a year.	
Waste Code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 09	waste sand and clays
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
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
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	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 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 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.4 Waste types and quantities for wood processing	
Maximum Quantities The total quantity of waste accepted shall be less than 20,000 tonnes a year.	
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 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**wastes 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
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 02	**wood, glass and plastic**
17 02 01	wood
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 07	wood other than that mentioned in 19 12 06
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 38	wood other than that mentioned in 20 01 37
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste

Table S2.5 Waste types and quantities for refused derived fuel and soild recovered fuel processing	
Maximum Quantities The total quantity of waste accepted shall be less than 40,000 tonnes a year.	
Waste Code	**Description**
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Parameter**	**Source**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
D2 as per Drawing Number JER5040-002b included at schedule 7 of this permit	Ph	Process effluent from the interceptor used to treat run-off from the waste transfer activity and wood processin g area.	6.8 – 8.5	Continuous	Monthly	In line with monitoring plan as agreed by Natural Resources Wales.
	Total oxidised Nitrogen		Greater than 2 mg/l			
	Nitrite		Greater than 1 mg/l			
	Nitrate		Greater than 1 mg/l			
	Ammonicial Nitrogen		Greater than 1 mg/l on one occasion Greater than 0.5 mg/l on four consecutive occasions			
	Chloride		Greater than 300mg/l			
	Electrical conductivity		Greater than 2000 microS/cm			
	BOD (biological Oxygen demand)		Greater than 18 mg/l on one occasion Greater than 10+ mg/l on three consecutive samples			

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Parameter**	**Source**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
	Dissolved Oxygen levels		Less than 2 mg/l on one occasion Less than 5 mg/l in 3 consecutive samples			
	Total suspended solids		Greater than 250 mg/l on one occasion Greater than 100 mg/l in 3 consecutive samples Greater than 60+ mg/l in 4 consecutive samples			
	Total Petroleum Hydrocarbons C6-C40 Fully speciated total Petroleum Hydrocarbons		Greater than 2 mg/l			
	Orthophosphate		Greater than 1mg/1			
	Total Sulphate		Greater than 300 mg/l			
	Total Cadmium		Greater than 0.005 mg/l			
	Total Calcium		Greater than 300 mg/l			
	Dissolved Nickel		Greater than 0.1 mg/l			
	Dissolved Lead		Greater than 0.25 mg/l			
	Total Zinc		Greater than 1 mg/l			

Table S3.2 Surface water monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
SW3 - SW17 as per Drawing Number JER5040-002b included at schedule 7 of this permit	Ph	Quarterly for surface water.	In line with monitoring in plan as agreed by Natural Resources Wales.	6.8 – 8.5
	Total oxidised Nitrogen			Greater than 2 mg/l
	Nitrite			Greater than 1 mg/l
	Nitrate			Greater than 1 mg/l
	Ammonicial Nitrogen			Greater than 1 mg/l on one occasion Greater than 0.5 mg/l on four consecutive occasions
	Chloride			Greater than 300mg/l
	Electrical conductivity			Greater than 2000 microS/cm
	BOD (biological Oxygen demand)			Greater than 18 mg/l on one occasion Greater than 10+ mg/l on three consecutive samples
	Dissolved Oxygen levels			Less than 2 mg/l on one occasion Less than 5 mg/l in 3 consecutive samples
	Total suspended solids			Greater than 250 mg/l on one occasion Greater than 100 mg/l in 3 consecutive samples Greater than 60+ mg/l in 4 consecutive samples
	Total Petroleum Hydrocarbons C6-C40 Fully speciated total Petroleum Hydrocarbons			Greater than 2 mg/l
	Orthophosphate			Greater than 1mg/1

Table S3.2 Surface water monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Total Sulphate			Greater than 300 mg/l
	Total Cadmium			Greater than 0.005 mg/l
	Total Calcium			Greater than 300 mg/l
	Dissolved Nickel			Greater than 0.1 mg/l
	Dissolved Lead			Greater than 0.25 mg/l
	Total Zinc			Greater than 1 mg/l
SW09 as per Drawing Number JER5040-002b included at schedule 7 of this permit	Ph	Monthly	In line with monitoring in plan as agreed by Natural Resources Wales.	6.8 – 8.5
	Total oxidised Nitrogen			Greater than 2 mg/l
	Nitrite			Greater than 1 mg/l
	Nitrate			Greater than 1 mg/l
	Ammonicial Nitrogen			Greater than 1 mg/l on one occasion Greater than 0.5 mg/l on four consecutive occasions
	Chloride			Greater than 300mg/l
	Electrical conductivity			Greater than 2000 microS/cm
	BOD (biological Oxygen demand)			Greater than 18 mg/l on one occasion Greater than 10+ mg/l on three consecutive samples
	Dissolved Oxygen levels			Less than 2 mg/l on one occasion Less than 5 mg/l in 3 consecutive samples

Table S3.2 Surface water monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Total suspended solids			Greater than 250 mg/l on one occasion Greater than 100 mg/l in 3 consecutive samples Greater than 60+ mg/l in 4 consecutive samples
	Total Petroleum Hydrocarbons C6-C40 Fully speciated total Petroleum Hydrocarbons			Greater than 2 mg/l
	Orthophosphate			Greater than 1mg/1
	Total Sulphate			Greater than 300 mg/l
	Total Cadmium			Greater than 0.005 mg/l
	Total Calcium			Greater than 300 mg/l
	Dissolved Nickel			Greater than 0.1 mg/l
	Dissolved Lead			Greater than 0.25 mg/l
	Total Zinc			Greater than 1 mg/l

Table S3.3 Groundwater monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
WS1 – WS5 as per Drawing Number JER5040-002b included at schedule 7 of this permit	Ph	Every six months for groundwater.	In line with monitoring plan as agreed by Natural Resources Wales.	6.1-8.52
	Total oxidised Nitrogen			Greater than 0.89 mg/l
	Nitrite			Greater than 0.084 mg/l
	Nitrate			WWS1 and WS4 Greater than 2.2 mg/l WS2, WS3 and WS5 Greater than 29.7 mg/l
	Ammonicial Nitrogen			Greater than 0.012 mg/l

Table S3.3 Groundwater monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Chloride			Greater than 4564.4 mg/l
	Electrical conductivity			Greater than 2400 microS/cm
	BOD (biological Oxygen demand)			Greater than 19 mg/l
	Dissolved Oxygen levels			Greater than 7.1 mg/l
	Total suspended solids			Greater than 1400 mg/l
	Total Petroleum Hydrocarbons C6-C40 Fully speciated total Petroleum Hydrocarbons			Greater than 100ug/ml for TPH Greater than 0.01ug/l PAH
	Orthophosphate			Greater than 10.57 mg/l
	Total Sulphate			WS1 – WS4 Greater than 167.2 mg/l WS5 Greater than 260 mg/l
	Total Cadmium			Greater than 0.0004 mg/l
	Total Calcium			Greater than 187.3 mg/l
	Dissolved Nickel			Greater than 0.028 mg/l
	Dissolved Lead			Greater than 0.013 mg/l
	Total Zinc			Greater than 2531 mg/l

Table S3.4 Process monitoring requirements – In vessel composting				
Monitoring point	**Substance or parameter**	**Monitoring frequency**	**Monitoring method**	**Other specifications**
Internal for each enclosed composting vessel	Temperature	Continuous	Thermocouple probe	None
	Moisture	As required	Moisture meter	None
Internal for each windrow and for any sample of waste or compost	Temperature	As required	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	

Table S3.4 Process monitoring requirements – In vessel composting				
Monitoring point	**Substance or parameter**	**Monitoring frequency**	**Monitoring method**	**Other specifications**
Bio filter	Temperature, moisture and thatching/compaction	As required	Thermocouple probe and moisture meter or touch test	Bio filters should be checked and maintained to ensure appropriate temperature and moisture content on a daily basis

Table S3.5 Bio aerosol monitoring requirements In vessel Composting					
Location or description of point of measurement	**Parameter**	**Bio aerosol threshold limits** CFU m^{-3})	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
At a minimum of three separate locations, as described in the Industry Standard Protocol	Gram-negative bacteria	300	Quarterly	In accordance with the Industry Standard Protocol, and, for gram-negative bacteria, together with the Natural Resources Wales's "Guidance on the evaluation of bio aerosol risk assessments for composting facilities"	As described in the Industry Standard Protocol, including all the additional data requirements specified therein.
	Total bacteria	1000			
	Aspergillus Fumigatus	500			

Schedule 4 – Reporting

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Bio aerosol monitoring as required by condition 3.6.1	As per table S3.4	Quarterly	01/03/12
Emissions to water Parameters as required by condition 3.6.1	D2 as per table S3.1	Monthly	01/03/12
Surface water monitoring Parameters as required by condition 3.6.1	SW3 – SW17 per table S3.2	Quarterly	01/03/12
	SW09 per table S3.2	Monthly	
Ground water monitoring Parameters as required by condition 3.6.1	WS1 – WS5 as per table S3.3	Bi Annually	01/03/12

Table S4.2 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Bio aerosol monitoring	As specified in the Industry Standard Protocol or other form as agreed in writing by Natural Resources Wales	01/03/12
Water and Land	Form water 1 or other form as agreed in writing by Natural Resources Wales	01/03/12
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	01/03/12

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B - to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

"accident" means an accident that may result in pollution.

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

"Annex II" means Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 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 Natural Resources Wales 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.

"best available treatment, recovery and recycling techniques" shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled "Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

"bio aerosol threshold limits" means the maximum acceptable bio aerosol 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.

"controlled substances" means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1, 1, 1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed. This definition shall not cover any controlled substance which is in a manufactured product other than a container used for the transportation or storage of that substance, or insignificant quantities of any controlled substance, originating from inadvertent or coincidental production during a manufacturing process, from unreacted feedstock, or from use as a processing agent which is present in chemical substances as trace impurities, or that is emitted during product manufacture or handling.

"D" means a disposal operation 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 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"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..

"*End-of-Life Vehicles Directive*" means Directive 2000/53/EC of the European Parliament and Council of 18 September 2000 on end-of-life vehicles.

"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 waste" has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

"Industry Standard Protocol" means "A standardised protocol for the monitoring of bio aerosols at open composting facilities" published by the Association for Organics Recycling and developed in conjunction with the Natural Resources Wales

"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.

"MCERTS" means Natural Resources Wales's Monitoring Certification Scheme.

"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.

"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 (England)Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

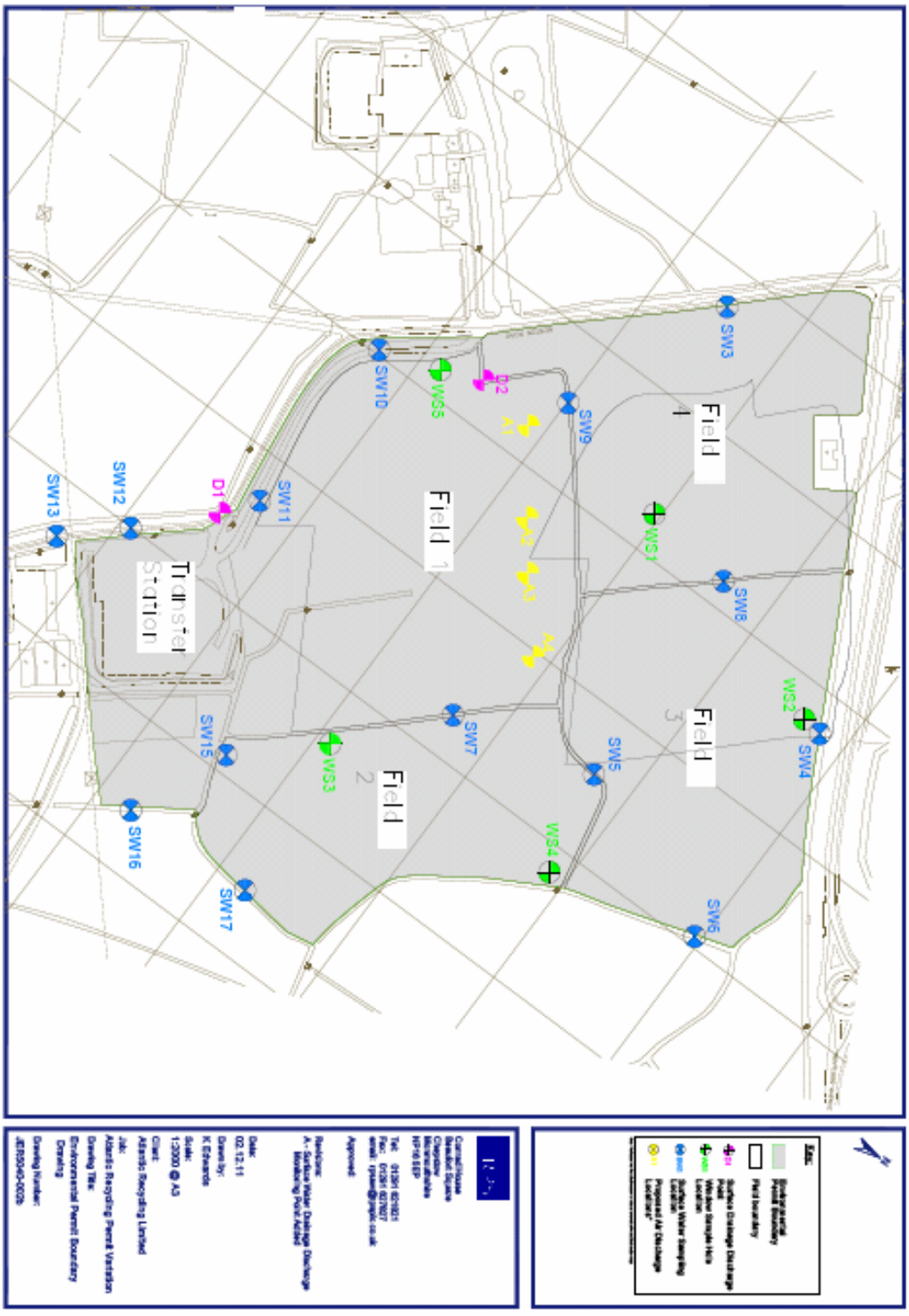
"Waste Framework Directive" or "WFD" means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

"WEEE" means waste electrical and electronic equipment.

"WEEE Directive" means Directive 2002/96/EC of the European Parliament and of the Council of 27th January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8th December 2003 on waste electrical and electronic equipment (WEEE).

"year" means calendar year ending 31 December.

Schedule 7 - Site plan



END OF PERMIT

Permit Number: EPR/PP3993VS Operator: Atlantic Recycling Ltd

Facility: Atlantic Recycling Ltd Form Number: Water1 /

Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY **to** DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed …… Date……..
(Authorised to sign as representative of Operator)

Permit Number:	EPR/PP3993VS	Operator:	Atlantic Recycling Ltd
Facility:	Atlantic Recycling Ltd	Form Number:	Performance1 /

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

Parameter	Units

Operator's comments :

Signed …… Date……..
(Authorised to sign as representative of Operator)

Permit Number:	EPR/PP3993VS	Operator:	Atlantic Recycling Ltd
Facility:	Atlantic Recycling Ltd	Form Number:	Groundwater1 /

Reporting of groundwater monitoring for the period from DD/MM/YYYY **to** DD/MM/YYYY

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ……. Date……..
(Authorised to sign as representative of Operator)