

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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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**

The main features of the regulated facilities are as follows:

##### Waste transfer station with treatment

The waste transfer station accepts non-hazardous and hazardous wastes. Fines from the treatment process pass to the refuse derived fuel production activity on site, where suitable.

##### 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.

##### 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.

##### Refuse Derived Fuel (RDF) and Solid Recovered Fuel (SRF) facility:

Waste is stored (prior to treatment) and treated within a building. Treated, loose, wrapped or baled 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.

##### Waste Water treatment plant (WWTP)

The WWTP is designed to process 3.5 litres/second, equivalent to approximately 100,000 tonnes per annum of surface water from the waste storage and treatment areas of the site, and includes biological treatment stages. The actual capacity of the WWTP is approximately 70,000 tonnes per annum to allow for maintenance, breakdowns and repeat treatment of batches if required. The bespoke WWTP is designed to treat surface water to meet the numerical limits already specified in Table S3.1 of the permit. The treated waters will continue to discharge via the existing outfall point D2, and the compliance monitoring point is at D2 where water enters the SSSI reens system.

This permit has one discharge point for treated drainage water from the WWTP to discharge to the Reens (officially designated as Gwent Levels – Rumney and Peterstone SSSI). As well as being treated in the WWTP, this water is held in a quality control ditch and tested before discharge and must meet the limits specified within the permit.

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

| <b>Status log of the permit</b>   |                       |  |
|---|-----------------------|--|
| <b>Description</b>  | <b>Date</b>           | <b>Comments</b>  |
| EAWML 30347 issued  | 14/10/05              | Licence issued to Neal Soil Suppliers Limited for a waste transfer station and Soil recycling facility   |
| Variation issued<br>ERP/VP3395FK  | 02/12/09              | Permit varied to include additional EWC codes to be allowed under the permit   |
| Transfer issued<br>EPR/PP3993VS (full transfer of<br>EPR/VL3395FK)            | 15/11/10              | Permit transferred from Neal Soil Suppliers Limited to Atlantic Recycling Limited  |
| Variation determined<br>EPR/PP3993VS/V002                                     | 02/03/12              | Varied and consolidated permit issued to include in-vessel composting facility, waste transfer station with treatment and wood processing activities and update the permit to modern conditions. |
| Variation determined<br>EPR/PP3993VS/V003                                     | 16/08/12              | Administrative variation to remove EWC codes.  |
| Variation determined<br>EPR/PP3993VS/V004                                     | 10/04/13              | Variation issued 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/S005   | Duly Made<br>12/09/16 | Application to surrender the permit in part – to surrender the in-vessel composting facility   |
| Surrender determined<br>EPR/PP3993VS/S005                                     | 03/11/16              | Part surrender of permit to surrender the in-vessel composting facility  |
| Application<br>EPR/PP3993VS/V007  | Duly made<br>01/06/17 | Application to add a WWTP, SWCP and RDF/SRF processing facility.   |
| Schedule 5 Notice<br>request for information<br>issued<br>(EPR/PP3993VS/V007) | 15/09/17              |  |
| Additional information<br>received<br>(EPR/PP3993VS/V007)                     | 27/10/17              | Information received in response to Schedule 5 Notice, Fire prevention and mitigation plan.  |
| Schedule 5 Notice<br>request for information<br>issued<br>(EPR/PP3993VS/V007) | 14/12/18              | Risk assessment for air emissions, BAT assessment, drainage details, site condition, waste water treatment and RDF/SRF   |
| Additional information<br>received<br>(EPR/PP3993VS/V007)                     | 18/01/19              | Risk assessment for air emissions, BAT assessment, drainage details, site condition, waste water treatment, Fire prevention and mitigation plan and RDF/SRF                                      |
| Application<br>EPR/PP3993VS/V006  | Duly made<br>22/03/19 | Application to increase annual throughput and add treatment method to the wood waste facility.   |

| <b>Status log of the permit</b>                           |             |  |
|---|-------------|--|
| <b>Description</b>  | <b>Date</b> | <b>Comments</b>  |
| Variation determined<br>EPR/PP3993VS/V006                 | 16/05/19    | Varied permit issued.  |
| Additional information<br>received<br>(EPR/PP3993VS/V007) | 15/10/19    | Additional information clarifying<br>operating techniques.             |
| Additional information<br>received<br>(EPR/PP3993VS/V007) | 23/03/2020  | Schematic (not to scale) plan of SWCP<br>and explanatory notes         |
| Additional information<br>received<br>(EPR/PP3993VS/V007) | 3/06/2020   | Scale plan of Proposed SWCP  |
| Additional information<br>received<br>(EPR/PP3993VS/V007) | 14/07/2020  | Further explanation of SWCP<br>specification regarding residence time. |
| Variation determined<br>EPR/PP3993VS/V007                 | 16/09/2020  | Part varied permit issued  |

End of introductory note.

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

## Permit number

**EPR/PP3993VS**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/PP3993VS/V007 authorising

**Atlantic Recycling Limited** (“the operator”),

whose registered office is

**Atlantic Ecopark**

**Newton Road**

**Rumney**

**Cardiff**

**CF3 2EJ**

company registration number **05788239**

to operate an installation and waste operations at

**Atlantic Recycling Limited**

**Atlantic Ecopark**

**Newton Road**

**Rumney**

**Cardiff**

**CF3 2EJ**

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

| Name               | Date              |
|--------------------|-------------------|
| <b>Holly Noble</b> | <b>16/09/2020</b> |

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 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 and A2), the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 and A2), the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

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

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

- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

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

### **2.2 The site**

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

### **2.3 Operating techniques**

- 2.3.1
  - (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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 Waste shall only be accepted if:
  - (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5 and S2.6.
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
  - (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

## **2.4 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 VIII 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.

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

### **3.2 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, hazard or annoyance 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 table S3.1.

- 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 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 unless otherwise agreed in writing by Natural Resources Wales

## **3.7 Fire**

- 3.7.1 The operator shall manage and operate the activities in accordance with a written fire prevention plan using the current, relevant fire prevention and mitigation plan guidance.
- 3.7.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities could cause a fire risk, submit to Natural Resources Wales a fire prevention and mitigation plan which identifies and minimises the risks of fire;
  - (b) Operate the activity in accordance with the fire prevention and mitigation plan, from the date of submission, 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 For the following activities referenced in schedule 1, table S1.1 (A1 and A2), a report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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
- 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, unless notice under this condition has been served within the preceding four years, submit to Natural Resources Wales, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 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.

### 4.3 Notifications

- 4.3.1 (a) In the event 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 Natural Resources Wales,
  - (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) in the event of a breach of any permit condition the operator must immediately—
- (i) inform Natural Resources Wales, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where 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 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.

4.3.6 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

## **4.4 Interpretation**

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

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

# Schedule 1 – Operations

**Table S1.1 activities**

| Activity reference   | Activity listed in Schedule 1 of the EP Regulations   | Description of specified activity and WFD Annex I and II operations  | Limits of specified activity and waste types   |
|--|---|--|--|
| <b>A1:</b><br>Refuse derived fuel and solid recovered fuel processing facility | S5.4 A1 (b)(ii)<br>Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving pre-treatment of waste for incineration or co-incineration | <p><b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R3:</b> Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p><b>R5:</b> Recycling/ reclamation of other inorganic materials</p> | <p>Storage of all non-hazardous waste prior to treatment shall take place inside a building on an impermeable surface with sealed drainage.</p> <p>Treatment of all non-hazardous waste shall take place inside a building on an impermeable surface with sealed drainage.</p> <p>Treatment consisting only of:</p> <ul style="list-style-type: none"> <li>- mechanical and manual sorting (including optical sorting)</li> <li>- separation/segregation</li> <li>- screening</li> <li>- shredding</li> <li>- baling</li> <li>- wrapping</li> </ul> <p>of non-hazardous waste for the purpose of recovery only.</p> <p>Treated RDF and SRF can be stored either inside a building or outside on an impermeable surface with sealed drainage if it is either within appropriate containers, wrapped or baled.</p> <p>Waste types as specified in Table S2.2</p> <p>Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted;</p> <ul style="list-style-type: none"> <li>- hazardous wastes</li> <li>- wastes consisting solely or mainly of dusts or powders</li> <li>- wastes which are odour producing or likely to be odorous</li> </ul> |

| 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  |
| A2: Water treatment                       | S5.4 A(1)(a)(i) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (100 tonnes per day if the waste treatment activity is anaerobic digestion) involving one or more of the following activities;<br>(i) biological treatment | Treatment of water run off   | From receipt of water into the waste water treatment plant to discharge to the surface water via the discharge point D2   |
| <b>Waste Activities</b>                   |  |  |   |
| A3: Waste Transfer Station with Treatment |  | <p><b>D15:</b> Storage pending any of the operations number D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R13:</b> Storage of wastes pending any of the operations number R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>D9:</b> 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</p> <p><b>R3:</b> Recycling/ reclamation of organic substances which are not used as solvents</p> <p><b>R4:</b> Recycling/ reclamation of metals and metal compounds</p> | <p>Storage of all hazardous and non-hazardous wastes shall be on an impermeable surface with sealed drainage.</p> <p>No waste shall be stored within 10 metres of a reeve or ditch and no trafficking of vehicles should occur within this buffer zone.</p> <p>The buffer zones should be clearly defined with a fence or bund.</p> <p>The maximum quantity of hazardous waste received and stored at the site for recovery or disposal shall not exceed 50 tonnes per day.</p> <p>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.</p> <p>Treatment consisting only of:</p> <ul style="list-style-type: none"> <li>- manual and mechanical sorting</li> <li>- separation</li> <li>- screening</li> <li>- baling</li> <li>- shredding</li> <li>- crushing</li> <li>- compaction</li> </ul> |

| 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  |
|                                       |   | <b>R5:</b> Recycling/ reclamation of other inorganic materials   | <p>of non-hazardous waste as set out in Table S2.3 into different components for disposal (no more than 50 tonnes per day), or recovery.</p> <p>There shall be no treatment of hazardous wastes or wastes specified in Table S2.4, other than bulking up for onward transport.</p> <p>Treatment of all non-hazardous wastes shall be on an impermeable surface with sealed drainage.</p> <p>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.</p> <p>Waste types as specified in Tables S2.3 and S2.4.<br/>Notwithstanding the waste types permitted in table S2.3 and S2.4 wastes which have any of the following characteristics shall not be accepted;<br/> - wastes consisting solely or mainly of dusts or powders<br/> - wastes which are odour producing or likely to be odorous<br/> - wastes consisting of or contaminated with Japanese Knotweed.</p> |
| <b>A4</b><br>Soil Processing activity |   | <p><b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>D15:</b> Storage pending any of the operations numbered D1 – D14</p> <p><b>R3:</b> Recycling/ reclamation of organic substances which are not used as solvents (including composting</p> | <p>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</p> <p>Maximum storage shall not exceed 90,000 tonnes at any one time.</p> <p>No waste shall be stored or spread within 10 metres of a reeve or ditch and no trafficking of vehicles should occur within this buffer zone.</p> <p>The buffer zones should be clearly defined with a fence or bund.</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  |
|  |   | and other biological transformation processes)   | Waste shall not be stored to a height greater than 4 metres unless otherwise agreed in writing with Natural Resources Wales.  |
|  |   | <b>R5:</b> Recycling/ reclamation of other inorganic materials   | <p>Maximum storage time of one year prior to disposal or three years prior to recovery.</p> <p>Treatment consisting only of:</p> <ul style="list-style-type: none"> <li>- physical sorting or separation of waste into different components</li> <li>- screening</li> <li>- blending</li> <li>- crushing</li> </ul> <p>of waste for recovery only.</p> <p>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.</p> <p>Waste types as specified in Table S2.5</p> <p>Notwithstanding the waste types permitted in table S2.5 wastes which have any of the following characteristics shall not be accepted;</p> <ul style="list-style-type: none"> <li>- hazardous wastes</li> <li>- wastes consisting solely or mainly of dusts or powders</li> <li>- wastes which are odour producing or likely to be odorous</li> <li>- wastes consisting of or contaminated with Japanese Knotweed.</li> </ul> |
| <b>A5:</b><br>Wood processing activity |   | <p><b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>D15:</b> Storage pending any of the operations numbered D1 – D14</p> | <p>Storage of all non-hazardous wastes prior to treatment shall be on an impermeable surface with sealed drainage.</p> <p>No waste shall be stored within 10 metres of a reeve or ditch and no trafficking of vehicles should occur within this buffer zone.</p> <p>The buffer zones should be clearly defined with a fence or bund.</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   |
|                       |   | <p><b>R3:</b> Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p><b>R4:</b> Recycling/ reclamation of metals and metal compounds</p> <p><b>R5:</b> Recycling/ reclamation of other inorganic materials</p> | <p>Treatment consisting only of:</p> <ul style="list-style-type: none"> <li>- manual and mechanical sorting</li> <li>- manual and mechanical (overband magnet and eddy current) separation</li> <li>- cutting</li> <li>- pulverising</li> <li>- shredding</li> <li>- chipping</li> <li>- screening</li> </ul> <p>of wood waste for recovery only.</p> <p>Treatment of all non-hazardous wastes shall be on an impermeable surface with sealed drainage.</p> <p>No waste shall be treated within 10 metres of a reeve or ditch and no trafficking of vehicles should occur within this buffer zone.</p> <p>Waste types as specified in Table S2.6</p> <p>Notwithstanding the waste types permitted in table S2.6 wastes which have any of the following characteristics shall not be accepted;</p> <ul style="list-style-type: none"> <li>- hazardous wastes</li> <li>- wastes consisting solely or mainly of dusts or powders</li> <li>- wastes which are odour producing or likely to be odourous.</li> </ul> |

| Table S1.2 Operating techniques              |   |               |
|--|---|---------------|
| Description                                  | Parts   | Date Received |
| Response to Schedule 5 Notice dated 04/11/11 | Odour management plan reference JER5040   | 06/01/12      |
| Variation Application EPR/PP3993VS/V007      | <p>Response to Part C3 Q3a Technical Standards - Technical Guidance Document: 'How to comply with your environmental permit'</p> <p>Response to Part C3 Q3a Technical Standards – Environmental Permitting Guidance The Waste Framework Directive, DEFRA March 2010</p> <p>Response to Part C3 Q3a Technical Standards – Sector Guidance Note S5.06: Guidance on the Recovery and Disposal of Hazardous and Non-Hazardous Waste</p> | 01/06/17      |

**Table S1.2 Operating techniques**

| Description                                  | Parts  | Date Received |
|--|--|---------------|
| Response to schedule 5 notice dated 14/12/18 | Response to Part C3 Q3a Technical Standards - Fire Prevention and Mitigation Plan Guidance<br>Waste Management<br>Response to Part C3 Q3a Technical Standards - Best Available Techniques (BAT) conclusions for waste treatment, under Directive 2010/75/EU of the European Parliament and of the Council<br>Response to Part C3 Q3a Technical Standards - R JCD0170 FB Operating Techniques v2 – Appendix 4 | 18/01/19      |
| Email received                               | Clarification of waste types, emissions and storage  | 15/10/2019    |
| Additional information received              | Waste Water treatment Procedure, document reference IMS14-08   | 27/01/2020    |

**Table S1.3 Improvement programme requirements**

| Reference | Requirement   | Date       |
|-----------|---|------------|
| 1         | <p>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.</p> <p>The updated Environmental Management System should include information on, but not limited to:</p> <ul style="list-style-type: none"> <li>- detailed process descriptions of the activity</li> <li>- suitability of the wastes to be treated via the prescribed method</li> <li>- how wastes that are deemed unsuitable to be treated via the prescribed method will be processed through the site</li> <li>- pollution prevention measures</li> <li>- how the wastes are tracked and monitored whilst on site and undergoing treatment</li> <li>- reporting process for confirming end of waste status for each process product recovered for re-use on or off site.</li> </ul> | Completed  |
| 2         | The operator shall submit to Natural Resources Wales proposals for the operation of the Water Treatment Plant with regard to effective operations and water process temperatures. To be implemented by the operator upon approval by Natural Natural Resources Wales.   | 16/12/2020 |

## Schedule 2 - Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |                       |
|------------------------------------|-----------------------|
| Raw materials and fuel description | Specification         |
| Diesel                             | <0.1% sulphur content |

| Table S2.2 Waste types and quantities for refused derived fuel and solid recovered fuel processing          |  |
|---|--|
| <b>Maximum Quantities</b><br>The total quantity of waste accepted shall be less than 100,000 tonnes a year. |  |
| Waste Code  | Description  |
| <b>19</b>   | <b>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</b> |
| <b>19 12</b>  | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>  |
| 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  |

| Table S2.3 Waste types and quantities for waste transfer station with treatment                                      |   |
|--|---|
| <b>Maximum Quantities</b><br>The total quantity of waste accepted in total shall be less than 112,000 tonnes a year. |   |
| <b>01</b>  | <b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>  |
| <b>01 04</b>   | <b>wastes from physical and chemical processing of non-metalliferous minerals</b>   |
| 01 04 09   | waste sand and clays  |
| <b>02</b>  | <b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>   |
| <b>02 01</b>   | <b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>  |
| 02 01 07   | wastes from forestry  |
| 02 01 10   | waste metal   |
| <b>02 03</b>   | <b>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</b> |
| 02 03 04   | materials unsuitable for consumption or processing  |
| <b>02 04</b>   | <b>wastes from sugar processing</b>   |
| 02 04 01   | soil from cleaning and washing beet   |
| 02 04 02   | off-specification calcium carbonate   |

**Table S2.3 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.

|              |   |
|--------------|---|
| <b>03</b>    | <b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>              |
| <b>03 01</b> | <b>wastes from wood processing and the production of panels and furniture</b>   |
| 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                   |
| <b>03 03</b> | <b>wastes from pulp, paper and cardboard production and processing</b>  |
| 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   |
| <b>04</b>    | <b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>  |
| <b>04 01</b> | <b>wastes from the leather and fur industry</b>   |
| 04 01 08     | waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium                           |
| 04 01 09     | wastes from dressing and finishing  |
| <b>04 02</b> | <b>wastes from the textile industry</b>   |
| 04 02 21     | wastes from unprocessed textile fibres  |
| 04 02 22     | wastes from processed textile fibres  |
| <b>07</b>    | <b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>   |
| <b>07 02</b> | <b>wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>   |
| 07 02 13     | waste plastic   |
| <b>09</b>    | <b>WASTES FROM THE PHOTOGRAPHIC INDUSTRY</b>  |
| <b>09 01</b> | <b>wastes from the photographic industry</b>  |
| 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  |
| 09 01 12     | single-use cameras containing batteries other than those mentioned in 09 01 11  |
| <b>10</b>    | <b>WASTES FROM THERMAL PROCESSES</b>  |
| <b>10 03</b> | <b>wastes from aluminium thermal metallurgy</b>   |
| 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                                |
| <b>11</b>    | <b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY</b> |
| <b>11 05</b> | <b>wastes from hot galvanising processes</b>  |
| 11 05 01     | hard zinc   |
| <b>15</b>    | <b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>   |
| <b>15 01</b> | <b>packaging (including separately collected municipal packaging waste)</b>   |
| 15 01 01     | paper and cardboard packaging   |

**Table S2.3 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.

|              |   |
|--------------|---|
| 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   |
| <b>15 02</b> | <b>absorbents, filter materials, wiping cloths and protective clothing</b>  |
| 15 02 03     | absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02  |
| <b>16</b>    | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>   |
| <b>16 01</b> | <b>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)</b> |
| 16 01 03     | end-of-life tyres   |
| <b>16 02</b> | <b>wastes from electrical and electronic equipment</b>  |
| 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  |
| <b>16 03</b> | <b>off-specification batches and unused products</b>  |
| 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   |
| <b>16 06</b> | <b>batteries and accumulators</b>   |
| 16 06 04     | alkaline batteries (except 16 06 03)  |
| 16 06 05     | other batteries and accumulators  |
| <b>17</b>    | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>  |
| <b>17 01</b> | <b>concrete, bricks, tiles and ceramics</b>   |
| 17 01 01     | concrete  |
| 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   |
| <b>17 02</b> | <b>wood, glass and plastic</b>  |
| 17 02 01     | wood  |
| 17 02 02     | glass   |
| 17 02 03     | plastic   |
| <b>17 03</b> | <b>bituminous mixtures, coal tar and tarred products</b>  |
| 17 03 02     | bituminous mixtures other than those mentioned in 17 03 01  |
| <b>17 04</b> | <b>metals (including their alloys)</b>  |
| 17 04 01     | copper, bronze, brass   |

**Table S2.3 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.

|              |  |
|--------------|--|
| 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  |
| <b>17 05</b> | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>  |
| 17 05 04     | soil and stones other than those mentioned in 17 05 03   |
| <b>17 06</b> | <b>insulation materials and asbestos-containing construction materials</b>   |
| 17 06 04     | insulation materials other than those mentioned in 17 06 01 and 17 06 03   |
| <b>17 09</b> | <b>other construction and demolition wastes</b>  |
| 17 09 04     | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03   |
| <b>19</b>    | <b>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</b> |
| <b>19 02</b> | <b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>  |
| 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   |
| <b>19 04</b> | <b>vitrified waste and wastes from vitrification</b>   |
| 19 04 01     | vitrified waste  |
| <b>19 05</b> | <b>wastes from aerobic treatment of solid wastes</b>   |
| 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  |
| <b>19 10</b> | <b>wastes from shredding of metal-containing wastes</b>  |
| 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   |
| <b>19 12</b> | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>  |
| 19 12 01     | paper and cardboard  |
| 19 12 02     | ferrous metal  |
| 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)  |

**Table S2.3 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.

|              |  |
|--------------|--|
| 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                      |
| <b>20</b>    | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b> |
| <b>20 01</b> | <b>separately collected fractions (except 15 01)</b>   |
| 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   |
| <b>20 02</b> | <b>garden and park wastes (including cemetery waste)</b>   |
| 20 02 01     | biodegradable waste  |
| 20 02 02     | soil and stones  |
| <b>20 03</b> | <b>other municipal wastes</b>  |
| 20 03 01     | mixed municipal waste  |
| 20 03 02     | waste from markets   |
| 20 03 07     | bulky waste  |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>   |
|-------------------|--|
| <b>01</b>         | <b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b> |
| <b>01 01</b>      | <b>wastes from mineral excavation</b>  |
| 01 01 01          | wastes from mineral metalliferous excavation   |
| 01 01 02          | wastes from mineral non-metalliferous excavation   |
| <b>01 03</b>      | <b>wastes from physical and chemical processing of metalliferous minerals</b>                                |
| 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                                  |
| <b>01 04</b>      | <b>wastes from physical and chemical processing of non-metalliferous minerals</b>                            |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>  |
|-------------------|---|
| 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   |
| <b>02</b>         | <b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>   |
| <b>02 01</b>      | <b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>  |
| 02 01 01          | sludges from washing and cleaning   |
| <b>02 03</b>      | <b>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</b> |
| 02 03 01          | sludges from washing, cleaning, peeling, centrifuging and separation  |
| 02 03 04          | materials unsuitable for consumption or processing  |
| <b>02 05</b>      | <b>wastes from the dairy products industry</b>  |
| 02 05 01          | materials unsuitable for consumption or processing  |
| <b>02 06</b>      | <b>wastes from the baking and confectionery industry</b>  |
| 02 06 01          | materials unsuitable for consumption or processing  |
| 02 06 02          | wastes from preserving agents   |
| <b>02 07</b>      | <b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>   |
| 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  |
| <b>03</b>         | <b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>  |
| <b>03 03</b>      | <b>wastes from pulp, paper and cardboard production and processing</b>  |
| 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  |
| <b>06</b>         | <b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>   |
| <b>06 09</b>      | <b>wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes</b>   |
| 06 09 02          | phosphorous slag  |
| 06 09 04          | calcium-based reaction wastes other than those mentioned in 06 09 03  |
| <b>06 11</b>      | <b>wastes from the manufacture of inorganic pigments and opacifiers</b>   |
| 06 11 01          | calcium-based reaction wastes from titanium dioxide production  |
| <b>08</b>         | <b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</b>  |
| <b>08 01</b>      | <b>wastes from MFSU and removal of paint and varnish</b>  |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>  |
|-------------------|---|
| 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                   |
| <b>10</b>         | <b>WASTES FROM THERMAL PROCESSES</b>  |
| <b>10 01</b>      | <b>wastes from power stations and other combustion plants (except 19)</b>                     |
| 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   |
| <b>10 02</b>      | <b>wastes from the iron and steel industry</b>  |
| 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  |
| <b>10 03</b>      | <b>wastes from aluminium thermal metallurgy</b>   |
| 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                    |
| 10 03 30          | wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29  |
| <b>10 04</b>      | <b>wastes from lead thermal metallurgy</b>  |
| 10 04 10          | wastes from cooling-water treatment other than those mentioned in 10 04 09                    |
| <b>10 05</b>      | <b>wastes from zinc thermal metallurgy</b>  |
| 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                                    |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>  |
|-------------------|---|
| <b>10 06</b>      | <b>wastes from copper thermal metallurgy</b>  |
| 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                        |
| <b>10 07</b>      | <b>wastes from silver, gold and platinum thermal metallurgy</b>                                   |
| 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                        |
| <b>10 08</b>      | <b>wastes from other non-ferrous thermal metallurgy</b>   |
| 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                        |
| <b>10 09</b>      | <b>wastes from casting of ferrous pieces</b>  |
| 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   |
| 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                               |
| <b>10 10</b>      | <b>wastes from casting of non-ferrous pieces</b>  |
| 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  |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>   |
|-------------------|--|
| 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  |
| <b>10 11</b>      | <b>wastes from manufacture of glass and glass products</b>   |
| 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  |
| <b>10 12</b>      | <b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>   |
| 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   |
| <b>10 13</b>      | <b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>  |
| 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   |
| <b>11</b>         | <b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY</b>  |
| <b>11 01</b>      | <b>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)</b> |
| 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   |
| <b>11 02</b>      | <b>wastes from non-ferrous hydrometallurgical processes</b>  |
| 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   |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>  |
|-------------------|---|
| <b>11 05</b>      | <b>wastes from hot galvanising processes</b>  |
| 11 05 02          | zinc ash  |
| <b>12</b>         | <b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>                     |
| <b>12 01</b>      | <b>wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>                     |
| 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                                 |
| <b>15</b>         | <b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b> |
| <b>15 02</b>      | <b>absorbents, filter materials, wiping cloths and protective clothing</b>  |
| 15 02 03          | absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02          |
| <b>16</b>         | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>   |
| <b>16 11</b>      | <b>waste linings and refractories</b>   |
| 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                   |
| <b>17</b>         | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>                        |
| <b>17 05</b>      | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>                           |
| 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  |
| <b>17 06</b>      | <b>insulation materials and asbestos-containing construction materials</b>  |
| 17 06 01*         | insulation materials containing asbestos  |
| 17 06 05*         | construction materials containing asbestos <sup>1</sup>   |
| <b>17 08</b>      | <b>gypsum-based construction material</b>   |
| 17 08 02          | gypsum-based construction materials other than those mentioned in 17 08 01  |

**Table S2.4 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.

| <b>Waste Code</b> | <b>Description</b>   |
|-------------------|--|
| <b>19</b>         | <b>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</b> |
| <b>19 01</b>      | <b>wastes from incineration or pyrolysis of waste</b>  |
| 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  |
| <b>19 08</b>      | <b>wastes from waste water treatment plants not otherwise specified</b>  |
| 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  |
| <b>19 09</b>      | <b>wastes from the preparation of water intended for human consumption or water for industrial use</b>   |
| 19 09 01          | solid waste from primary filtration and screenings   |
| <b>19 13</b>      | <b>wastes from soil and groundwater remediation</b>  |
| 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  |
| <b>20</b>         | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                 |
| <b>20 01</b>      | <b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>   |
| 20 01 23*         | discarded equipment containing chlorofluorocarbons   |
| 20 01 99          | other fractions not otherwise specified  |
| <b>20 03</b>      | <b>other municipal wastes</b>  |
| 20 03 03          | street-cleaning residues   |

**Table S2.5 Waste types and quantities for soil processing****Maximum Quantities**

The total quantity of waste accepted shall be less than 30,000 tonnes a year.

| <b>Waste Code</b> | <b>Description</b>   |
|-------------------|--|
| <b>01</b>         | <b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>   |
| <b>01 04</b>      | <b>wastes from physical and chemical processing of non-metalliferous minerals</b>  |
| 01 04 09          | waste sand and clays   |
| <b>02</b>         | <b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>  |
| <b>02 01</b>      | <b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>   |
| 02 01 07          | wastes from forestry   |
| <b>02 04</b>      | <b>wastes from sugar processing</b>  |
| 02 04 01          | soil from cleaning and washing beet  |
| 02 04 02          | off-specification calcium carbonate  |
| <b>17</b>         | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>   |
| <b>17 05</b>      | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>  |
| 17 05 04          | soil and stones other than those mentioned in 17 05 03   |
| <b>19</b>         | <b>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</b> |
| <b>19 12</b>      | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>  |
| 19 12 09          | minerals (for example sand, stones)  |
| <b>19 13</b>      | <b>wastes from soil and groundwater remediation</b>  |
| 19 13 02          | solid wastes from soil remediation other than those mentioned in 19 13 01  |
| <b>20</b>         | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                 |
| <b>20 02</b>      | <b>garden and park wastes (including cemetery waste)</b>   |
| 20 02 02          | soil and stones  |

**Table S2.6 Waste types and quantities for wood processing****Maximum Quantities**

The total quantity of waste accepted shall be less than 75,000 tonnes a year.

| <b>Waste Code</b> | <b>Description</b>   |
|-------------------|--|
| <b>02</b>         | <b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>  |
| <b>02 01</b>      | <b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>   |
| 02 01 07          | wastes from forestry   |
| <b>03</b>         | <b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>   |
| <b>03 01</b>      | <b>wastes from wood processing and the production of panels and furniture</b>  |
| 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  |
| <b>03 03</b>      | <b>wastes from pulp, paper and cardboard production and processing</b>   |
| 03 03 01          | waste bark and wood  |
| <b>15</b>         | <b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>  |
| <b>15 01</b>      | <b>packaging (including separately collected municipal packaging waste)</b>  |
| 15 01 03          | wooden packaging   |
| <b>17</b>         | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>   |
| <b>17 02</b>      | <b>wood, glass and plastic</b>   |
| 17 02 01          | wood   |
| <b>19</b>         | <b>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</b> |
| <b>19 12</b>      | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>  |
| 19 12 07          | wood other than that mentioned in 19 12 06   |
| <b>20</b>         | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                 |
| <b>20 01</b>      | <b>separately collected fractions (except 15 01)</b>   |
| 20 01 38          | wood other than that mentioned in 20 01 37   |
| <b>20 02</b>      | <b>garden and park wastes (including cemetery waste)</b>   |
| 20 02 01          | biodegradable waste  |

## 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 shown on the Drawing at schedule 7 of this permit  | Temperature             | Surface water drainage | To be within 2 degrees of the temperature at monitoring point SW09 at the time of discharge. Note, point SW09 is defined on plan referenced JCD0170-PER-002 | Spot sample      | Prior to each discharge | To be agreed in writing with Natural Resources Wales               |
|  | pH                      |                        | 6.8 – 8.5   |                  |                         | In line with monitoring plan as agreed by Natural Resources Wales. |
|  | Total oxidised Nitrogen |                        | 2 mg/l  |                  |                         |  |
|  | Nitrite                 |                        | 1 mg/l  |                  |                         |  |
|  | Nitrate                 |                        | 1 mg/l  |                  |                         |  |
|  | Ammoniacal Nitrogen     |                        | 1 mg/l on one occasion<br>0.5 mg/l on four consecutive occasions  |                  |                         |  |
|  | Chloride                |                        | 300mg/l   |                  |                         |  |
|  | Electrical conductivity |                        | 2000 microS/cm  |                  |                         |  |

| 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 |
|  | BOD (biological Oxygen demand)  |        | 18 mg/l on one occasion                   |                  |                      |                               |
|  |   |        | 10+ mg/l on three consecutive samples     |                  |                      |                               |
|  | Dissolved Oxygen levels   |        | 2 mg/l on one occasion                    |                  |                      |                               |
|  |   |        | Less than 5 mg/l in 3 consecutive samples |                  |                      |                               |
|  | Total suspended solids  |        | 250 mg/l on one occasion                  |                  |                      |                               |
|  |   |        | 100 mg/l in 3 consecutive samples         |                  |                      |                               |
|  |   |        | 60 mg/l in 4 consecutive samples          |                  |                      |                               |
|  | Total Petroleum Hydrocarbons C6-C40<br>Fully speciated total Petroleum Hydrocarbons |        | 2 mg/l                                    |                  |                      |                               |
|  | Orthophosphate  |        | 1mg/l                                     |                  |                      |                               |
|  | Total Sulphate  |        | 300 mg/l                                  |                  |                      |                               |
|  | Total Cadmium   |        | 0.005 mg/l                                |                  |                      |                               |

| 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 |
|  | Total Calcium    |        | 300 mg/l           |                  |                      |                               |
|  | Dissolved Nickel |        | 0.1 mg/l           |                  |                      |                               |
|  | Dissolved Lead   |        | 0.25 mg/l          |                  |                      |                               |
|  | Total Zinc       |        | 1 mg/l             |                  |                      |                               |

## Schedule 4 - Reporting

**Table S4.1 Reporting of monitoring data**

| Parameter   | Emission or monitoring point/reference | Reporting period | Period begins |
|---|--|------------------|---------------|
| Emissions to water<br>Parameters as required by condition 3.6.1 | D2 as per table S3.1                   | Monthly          | 01/03/12      |

**Table S4.2 Reporting forms**

| Media/parameter                  | Reporting format   | Date of form |
|----------------------------------|--|--------------|
| Water                            | 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   |              |
| Annual production and treatment  | Form Performance 1 or other form as agreed in writing by Natural Resources Wales   |              |
| Waste subject to condition 4.2.5 | Waste tonnage return form from the Natural Resources Wales website or other form as agreed in writing by Natural Resources Wales | n/a          |

## 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 |  |

|   |  |
|---|--|
| <b>(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</b> |  |
| <b>To be notified within 24 hours of detection</b>  |  |
| 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>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| 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.  |  |

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* authorised to sign on behalf of the operator

## Schedule 6 - Interpretation

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

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

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

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

*“authorised officer”* means any person authorised by 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).

*“CEM”* means continuous emission monitor

*“CEN”* means Comité Européen de Normalisation

*“Commissioning”* means testing of the new co-incineration plant that involves any operation of the furnace

*“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.

*“daily average”* for releases of substances to air means the average of valid half-hourly averages over a calendar day during normal operation

*“Disposal”* means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

*“emissions to land”* includes emissions to groundwater.

*“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.

*“EP Regulations”* means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same

meanings as in those Regulations.

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

*“hazardous property”* has the meaning in Annex III of the Waste Framework Directive

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

*“impermeable surface”* means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the surface.

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

*“ISO”* means International Standards Organisation.

*“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.*

*“PAH”* means Poly-cyclic aromatic hydrocarbon, and comprises Anthanthrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[b]naph(2,1-d)thiophene, Benzo[c]phenanthrene, Benzo[ghi]perylene, Benzo[a]pyrene, Cholanthrene, Chrysene, Cyclopenta[c,d]pyrene, Dibenzo[ah]anthracene, Dibenzo[a,i]pyrene Fluoranthene, Indo[1,2,3-cd]pyrene, Naphthalene

*“PCB”* means Polychlorinated Biphenyl. Dioxin-like PCBs are the non-ortho and mono-ortho PCBs listed in the table below.

*“Pests”* means Birds, Vermin and Insects.

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

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

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

*“TOC”* means Total Organic Carbon. In respect of releases to air, this means the gaseous and vaporous organic substances, expressed as TOC. In respect of Bottom Ash, this means the total carbon content of all organic species present in the ash (excluding carbon in elemental form).

*“Waste code”* means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) 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.

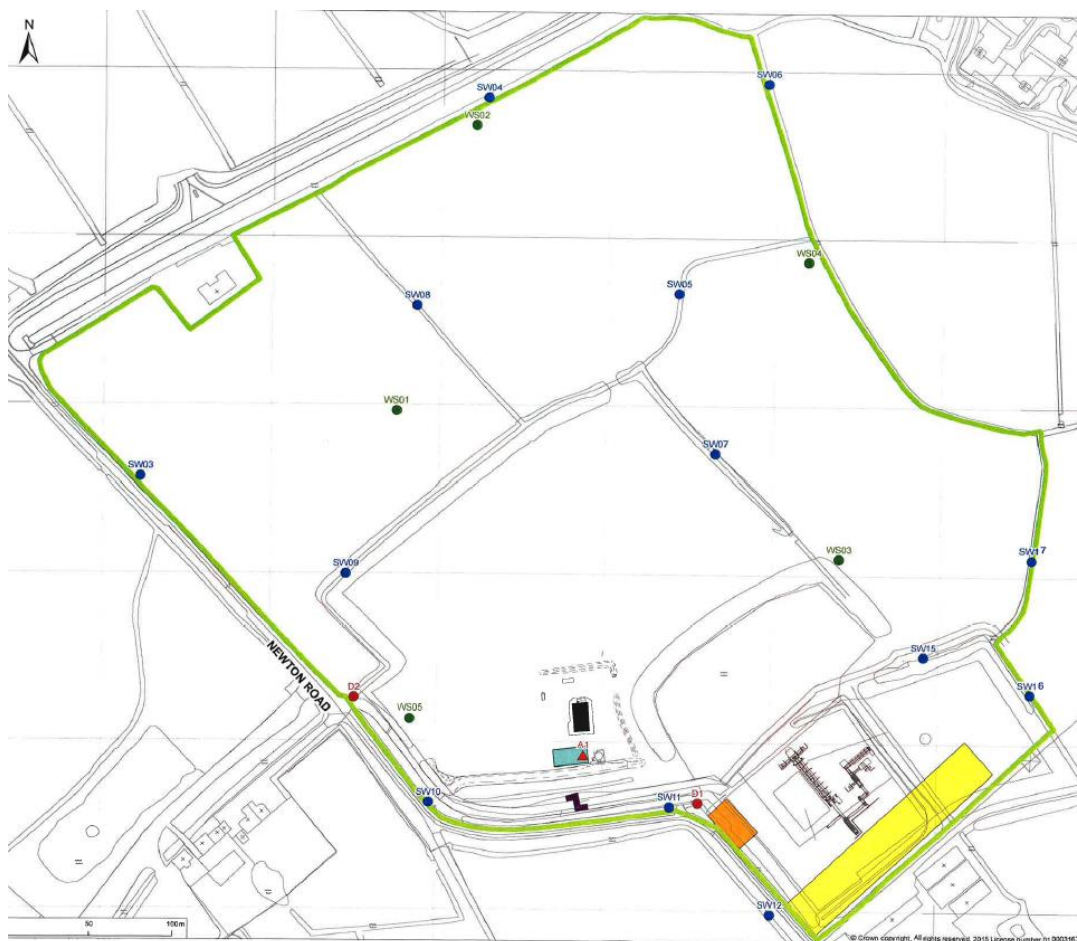
*“WEEE”* means waste electrical and electronic equipment.

*“WEEE Directive”* means Directive 2012/19/EU of the European Parliament and of the Council of 4th July 2012 on waste electrical and electronic equipment (WEEE).

*“year”* means calendar year ending 31 December.

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

## Schedule 7 - Site plan



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