

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Raymond Brown Minerals & Recycling  
Ltd

A303 Recycling Facility  
Drayton Road  
Longparish  
Andover  
Hampshire  
SO21 3QS

Variation application number  
EPR/ZP3698EQ/V008

Permit number  
EPR/ZP3698EQ

# **A303 Recycling Facility**

## **Permit number EPR/ZP3698EQ**

### **Introductory note**

**This introductory note does not form a part of the notice.**

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

Raymond Brown Minerals & Recycling Ltd have been operating the existing recycling facility since October 2008. The site includes a Materials Recycling Facility (MRF) for 'skip' wastes and a small WEEE dismantling operation.

Currently, the permit is permitted to import 125,000tpa which consists of inert waste for aggregate recycling, non-hazardous waste for transfer within the Materials Recycling Facility and some hazardous waste for the WEEE dismantling operation.

The site has recently been given permission to operate extended hours which has increased the capacity of the site to accept more waste. As part of this permit variation, the permitted tonnage for the MRF activity will increase from 125,000t to 170,000t per annum.

The second part of this variation is an extension to the site boundary to add a new activity; processing of incinerator bottom ash (IBA). This IBA is produced at Hampshire's Energy Recovery Facilities located at Portsmouth, Marchwood and Chineham.

This permit includes a listed activity for the processing of IBA which is received from the energy recovery facilities; 5.4A(1)(b) iii recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment of slags and ashes.

The processing of IBA will take the following format:

- (1) The storage of IBA shall take place outside on an impermeable surface with sealed drainage system and stockpiles and the site surface will be sprayed with water for dust suppression;
- (2) Processing of conditioned IBA, which consists of metal separation and screening in an IBA processing plant, which will be enclosed;
- (3) All other IBA treatment processes such as crushing and blending will be located on the impermeable surface provided with sealed drainage, appropriate measures are in place for the collection and containment of wash waters, leachate and other potentially contaminated waters and there are measures to prevent and minimise fugitive emissions,
- (4) Untreated IBA and the different fractions of treated IBA will be handled and stored separately to avoid cross-contamination (e.g. using separate contained storage vessels, bays or areas).

The IBA facility on site will accept up to 125,000 tonnes of IBA per annum overall.

Incinerator Bottom Ash Aggregate (IBAA) is processed IBA, utilising bottom ash from the thermal treatment of municipal solid waste, and is generally accepted as a replacement for the majority of primary aggregates by both UK and European standards.

During the handling process the IBA remains in a moist condition. There are no point source emissions to air. Surface water run-off and rain water within the IBA facility is collected in a lagoon (via interceptors), for use as dust suppression.

During periods of high rainfall and before the lagoon reaches full capacity the water will be collected in a tanker and removed off-site for disposal.

The IBA will be processed in accordance with the operator's environment management system and operation control procedures.

The permit implements the relevant requirements of the EU Directives.

The schedules specify the changes made to the permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received EAWML 100429	Duly made 31/03/2008	Application for a Materials Recycling Facility
Permit determined EAWML 100429	13/10/2008	Original licence issued
Administrative Variation EPR/ZP3698EQ/V002 received	Duly made 15/03/2010	Application to add waste codes
Administrative Variation EPR/ZP3698EQ/V002 issued	17/05/2010	Varied permit issued
Variation Application EPR/ZP3698EQ/V003 received	17/03/2011	Application to add waste codes
Variation Application EPR/ZP3698EQ/V003 returned	23/03/2011	
Variation Application EPR/ZP3698EQ/V004 received	Duly made 30/06/2011	Application to add waste codes
Variation determined EPR/ZP3698EQ/V004	30/08/2011	Varied permit issued
Variation Application EPR/ZP3698EQ/V005	Duly Made 02/03/2012	Application for a variation to increase annual throughput
Variation determined EPR/ZP3698EQ/V005	27/03/2012	Varied permit issued
Variation Application EPR/ZP3698EQ/V006	Duly made 23/11/2012	Application to add waste codes and a WEEE dismantling operation
Variation determined EPR/ZP3698EQ/V006	17/01/2013	Varied permit issued
Variation Application EPR/ZP3698EQ/V007 received	03/10/2013	Application to add Incinerator Bottom Ash (IBA) facility to existing permit.
Variation Application EPR/ZP3698EQ/V007 Returned	22/11/2013	
Variation Application EPR/ZP3698EQ/V008 received	Duly made 10/01/2014	Application to add Incinerator Bottom Ash (IBA) facility to existing permit. And increase site's throughput.
Variation Application EPR/ZP3698EQ/V008 Request for further information	10/02/2014	Schedule 5 notice issued requesting specific lagoon design details and information regarding an appropriate inspection and maintenance programme for the site.
Variation Application EPR/ZP3698EQ/V008	27/02/2014	Schedule 5 response received.
Variation Application EPR/ZP3698EQ/V008	21/03/2014	Additional Schedule 5 information received.
Variation determined	10/04/2014	Varied permit issued

End of introductory note

## Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

**permit number**  
**EPR/ZP3698EQ**

**issued to**  
**Raymond Brown Minerals & Recycling Ltd** ("the operator")

whose registered office is

**160 Christchurch Road**  
**Ringwood**  
**Hampshire**  
**BH24 3AR**

company registration number **03601649**

to operate a regulated facility at

**A303 Recycling Facility**  
**Drayton Road**  
**Longparish**  
**Andover**  
**Hampshire**  
**SO21 3QS**

to the extent set out in the schedules.

The notice shall take effect from 10/04/2014

Name

Date

Anne Nightingale

10/04/2014

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been updated to reflect the modern permit template.

The following conditions were varied as a result of the application made by the operator:

Table S1.1 as referenced in condition 2.1.1 is amended;

A new site plan as referenced in Condition 2.2.1 has been added in Schedule 7 of the permit;

Table S1.3 Pre-operational measures as referenced in condition 2.5.1 is added;

Table S2.1 Permitted waste types and quantities for IBA processing as referenced in condition 2.3.2 is added;

Table S2.2 Permitted waste types and quantities for Materials Recycling and Table S2.3 Permitted waste types and quantities for WEEE dismantling as referenced in condition 2.3.2 have been amended;

Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements, as referenced in condition 3.1.1, is added;

Schedule 4 – Reporting requirements are added as per tables S4.1 and S4.2 and referenced in conditions 4.2.3 and 4.2.3.

The following conditions were varied as a result of the application made by the operator and by the implementation of the Industrials Emissions Directive (IED):

Condition 3.1.3 Periodic monitoring, is added;

Conditions 4.3.1 & 4.3.2 Notifications are amended;

Schedule 5 - Notification form has been added;

Schedule 6 - Interpretation is updated.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/ZP3698EQ**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/ZP3698EQ/V008 authorising,

**Raymond Brown Minerals & Recycling Ltd** (“the operator”),  
whose registered office is

**160 Christchurch Road**  
**Ringwood**  
**Hampshire**  
**BH24 3AR**

company registration number **03601649**  
to operate an installation at

**A303 Recycling Facility**  
**Drayton Road**  
**Longparish**  
**Andover**  
**Hampshire**  
**SO21 3QS**

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

Name	Date
Anne Nightingale	10/04/2014

Authorised on behalf of the Environment Agency



# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

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

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

### 1.3 Energy efficiency

- 1.3.1 For the following activities referenced in schedule 1, **table S1.1, A1**, 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.

## **1.4 Efficient use of raw materials**

- 1.4.1 For the following activities referenced in schedule 1, **table S1.1, A1**, 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.

## **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”).
- 2.1.2 For the following activities referenced in schedule 1, **table S1.1, A1**, waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **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 the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.1, S2.2 and S2.3; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.

- 2.3.3 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.
- 2.3.4 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

### WEEE treatment

- 2.4.1 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.
- 2.4.2 WEEE shall be treated using best available treatment, recovery and recycling techniques (BAT/RRT).
- 2.4.3 As a minimum, the substances, preparations and components specified in table 2.4 shall be removed from any separately collected WEEE.

**Table 2.4 Substances, preparations and components to be removed from separately collected WEEE**

- Capacitors containing Polychlorinated biphenyls (PCB)
- Mercury-containing components, such as switches or backlighting lamps
- Batteries
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres
- Toner cartridges, liquid and pasty, as well as colour toner
- Plastic containing brominated flame retardants
- Asbestos waste and components which contain asbestos
- Cathode ray tubes
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC)
- Gas discharge lamps
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps
- External electric cables
- Components containing refractory ceramic fibres
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and the Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation
- Electrolytic capacitors containing “substances of concern” (height > 25mm, diameter > 25 mm or proportionately similar volume)

- 2.4.4 All fluids contained within any WEEE shall be removed prior to further treatment.
- 2.4.5 Separately collected components of WEEE specified in table 2.5 shall be treated in accordance with the methods specified in that table.

**Table 2.5 Specified Treatment Methods for separately collected components of WEEE**

Component	Specified Treatment
Cathode ray tubes	The fluorescent coating shall be removed.
Gas discharge lamps	The mercury shall be removed.

- 2.4.6 Equipment shall be provided to record the weight of untreated WEEE accepted at, and components and materials leaving the site.

### **Hazardous waste storage and treatment**

- 2.4.7 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.

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

# **3 Emissions and monitoring**

## **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1.
- 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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

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

### **3.4 Noise and vibration**

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

### **3.5 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 the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## 4 Information

### 4.1 Records

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

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

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

### 4.2 Reporting

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

4.2.2 For the following activities referenced in schedule 1, **table S1.1, A1**, a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.1; and
- (c) using the forms specified in table S4.2 of that schedule.

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

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; 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 the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

### 4.3 Notifications

- 4.3.1 (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 the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—
- (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) 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 the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:

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

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

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

In any other case:

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

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

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

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

## **4.4 Interpretation**

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

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



# Schedule 1 - Operations

**Table S1.1 activities**

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	5.4 A(1)(b)(iii)	Recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment of slags and ashes: R4, R5.	The receipt, handling, storage and treatment of non-hazardous incinerator bottom ash. Waste types as specified in Table S2.1
		Description of activities for waste operations	Limits of activities
A2		<b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Inert waste must be kept on hard standing or on an impermeable surface with sealed drainage.
Materials Recycling		<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting only of sorting, separation, screening, shredding, bailing, dismantling, crushing, granulation or compaction of waste into different components for recovery.
		<b>R4:</b> Recycling/reclamation of metals and metal compounds	
		<b>R5:</b> Recycling/reclamation of other inorganic compounds	Inert wastes must be treated on hard standing or on an impermeable surface with sealed drainage.
			Waste types as specified in Table S2.2
A3		<b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, bailing, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.
WEEE dismantling		<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	
		<b>R4:</b> Recycling/reclamation of metals and metal compounds	No more than 10 tonnes of hazardous waste in total to be treated or stored at the site per day for disposal.
		<b>R5:</b> Recycling/reclamation of other inorganic compounds	No more than 10 tonnes per day of hazardous waste to be treated at the site for recovery under an R5 activity.
		<b>D15:</b> Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Waste types as specified in Table S2.3

**Table S1.2 Operating techniques**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Section 3 of application form C3 and document R670/027	10/01/2014
Application	Dust & Odour Management and Control Scheme(Document R670/010)	10/01/2014
Schedule 5 Notice dated 10/02/2014	All parts	27/02/2014 21/03/2014

**Table S1.3 Pre-operational measures**

<b>Reference</b>	<b>Pre-operational measures</b>
PO1	Prior to the commencement of construction of the lagoon, the operator shall submit a written report for approval by the Environment Agency, a stability report detailing the expected settlement characteristics for the proposed lagoon and lagoon liner.
PO2	Prior to the commencement of construction of the lagoon, the operator shall submit a written report for approval by the Environment Agency, demonstrating that the materials used to construct the lagoon will not chemically react with the contents of the lagoon.

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

**Table S2.1 Permitted waste types and quantities for IBA processing (A1)**

**Maximum quantities**

The quantity of wastes listed below, accepted at the site shall be less than **125,000 tonnes** a year.

Waste code	Description
<b>19 Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and waste for industrial use</b>	
<b>19 01</b>	<b>Wastes from incineration or pyrolysis of waste</b>
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11

**Table S2.2 Permitted waste types and quantities for Materials Recycling activity (A2)**

**Maximum quantities**

The quantity of wastes listed below, accepted at the site shall be less than **170,000 tonnes** a year.

**Exclusions**

Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics:

- Consisting solely or mainly of dust, powders or loose fibres.
- Wastes that are in a form which is either sludge or liquid.

Waste code	Description
<b>01 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 02	wastes from mineral non metalliferous excavation
<b>01 04</b>	<b>Wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	waste from stone cutting and sawing other than those mentioned in 01 04 07
<b>02 Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing</b>	
<b>02 01</b>	<b>Wastes from agriculture</b>
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry

02 01 10	waste metal
<b>03 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, cutting other than those mentioned in 03 01 04
<b>10 wastes from thermal processes</b>	
<b>10 02</b>	<b>Wastes from iron and steel industry</b>
10 02 01	wastes from processing of slag
10 02 02	unprocessed slag
<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
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	wastes from glazing other than those mentioned in 10 12 11
<b>10 13</b>	<b>Wastes from manufacture of cement, lime and plaster</b>
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
<b>15 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
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>16 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
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 01 22	components not otherwise specified
<b>17 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
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
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 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
<b>17 08</b>	<b>Gypsum Based construction materials</b>
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
<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 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
<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 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 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<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 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 10	clothes
20 01 11	textiles
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</b>
20 02 02	soil and stones
20 02 03	other biodegradable wastes
<b>20 03</b>	<b>Other municipal wastes</b>

20 03 02	waste from markets
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**Table S2.3 Permitted waste types and quantities for WEEE dismantling activity (A3)**

**Maximum quantities**

The quantity of wastes listed below, accepted at the site shall be less than **5000 tonnes** a year.

**Exclusions**

Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics:

- Consisting solely or mainly of dust, powders or loose fibres.
- Wastes that are in a form which is either sludge or liquid.

Waste code	Description
<b>16 Wastes not otherwise specified in the list</b>	
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	discarded equipment containing hazardous components [2] other than those mentioned in 16 02 09 to 16 02 12
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>20 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 23*	discarded equipment containing chlorofluorocarbons
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components ( 6 )
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site–  
emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Transfer of water off-site by tanker	-	Lagoon	-	-	-	-



## Schedule 4 - Reporting

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

**Table S4.1 Annual production/treatment**

Parameter	Frequency of assessment	Units
Incinerator Bottom Ash Processed	Annually	Tonnes
Incinerator Bottom Ash Imported	Annually	Tonnes
Ferrous Metals Recovered	Annually	Tonnes
Non-Ferrous Metals Recovered	Annually	Tonnes
Aggregate Recovered	Annually	Tonnes
Amount Disposed to Landfill	Annually	Tonnes
Water tankered off site	Annually	m <sup>3</sup>
Water usage	Annually	m <sup>3</sup> per tonne of processed ash
Energy usage	Annually	MWh per tonne of processed ash

**Table S4.2 Reporting forms**

Media/parameter	Reporting format
Residues	Form Residues 1 or other form as agreed in writing by the Environment Agency
Water	Form Water 1 or other form as agreed in writing by the Environment Agency
Energy usage	Form Energy 1 or other form as agreed in writing by the Environment Agency

## Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

### Part A

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

#### **(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment**

<b>To be notified Immediately</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) Notification requirements for the breach of a permit condition**

<b>To be notified immediately</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
<b>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:</b>	
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.

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

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

*“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);

*“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.

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

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

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

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

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

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

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

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

*Pests” means Birds, Vermin and Insects.*

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

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

*“Waste code”* means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

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

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

*“WEEE Directive”* means Directive 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.

## Schedule 7 - Site plan



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END OF PERMIT

Permit Number: EPR/ZP3698EQ

Operator: Raymond Brown Minerals & Recycling Ltd

Facility: A303 Recycling Facility

Form Number: WaterUsage1 10/04/14

**Reporting of Water Usage for the year**    YYYY

Water Source	Usage (m <sup>3</sup> /year)	Specific Usage (m <sup>3</sup> /unit output)
Mains water		
TOTAL WATER USAGE		

Operator's comments :

Signed .....  
(authorised to sign as representative of Operator)

Date.....

Permit Number: EPR/ZP3698EQ

Operator: Raymond Brown Minerals & Recycling Ltd

Facility: A303 Recycling Facility

Form Number: Residue 1 10/04/14

**Reporting of residue quality for the period from .....to.....**

Parameter	Total (Tonnes per year)
Incinerator bottom ash processed	
Incinerator bottom ash imported	
Ferrous metals recovered	
Non-ferrous metals recovered	
Aggregate recovered	
Amount disposed to landfill	

Operator's comments :

Signed .....  
(authorised to sign as representative of Operator)

Date.....



Permit Number:       EPR/ZP3698EQ

Operator:       Raymond Brown Minerals & Recycling Ltd

Facility: A303 Recycling Facility

Form Number: Energy1 10/04/14

**Reporting of Energy Usage for the year   YYYY**

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

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

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

Date.....