

# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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Recycled Asphalt Products (RAP) Limited

Melmerby Industrial Estate

Melmerby Green Lane

Ripon

North Yorkshire

HG4 5HP

### **Permit number**

EPR/XP3207PZ

# Recycled Asphalt Products (RAP) Limited

## Permit number EPR/XP3207PZ

### Introductory note

#### **This introductory note does not form a part of the permit**

The main features of the permit are as follows.

This permit authorises the recovery and treatment of hazardous and non-hazardous waste. The site accepts road planing wastes. The waste consists of aggregate bound by bitumen that are considered to be non-hazardous, and hazardous waste which consists of aggregates bound by coal tar known as asphalt waste containing coal tar or (AWCCT). Incoming wastes are received in accordance with site acceptance procedures to determine suitability. Waste is segregated in designated; unprocessed hazardous and non-hazardous storage areas. Waste streams that fail to meet acceptance compliance are quarantined and rejected.

Stockpiled (0-40mm) non-hazardous material is transferred from the storage areas to a feed hopper via a wheeled loader, materials are sorted, screened, crushed and blended and recovered as a secondary aggregate. Recovered aggregates are then despatched for delivery back to the local highways improvement scheme.

The treatment of hazardous waste involves: crushing, screening and encapsulation of the waste road planings comprising of bituminous mixtures containing coal tar. Following crushing and screening a cold foam mix process using bitumen as binder is used to encapsulate the material. The produced material is cold recycled bound material (CRBM) and is suitable for a number of construction requirements. In addition to the cold foam mix process, the screened materials may be blended with cement (CEM1) and pulverised fuel ash to produce a cement bound granular material (CBGM). The material is used only in bound sub-surface layers e.g. sub-base, base and binder layers. Use in surface applications is not allowed.

The site is permitted to accept a maximum of 30,000 tonnes per annum of hazardous waste, and up to 30,000 tonnes per annum of non-hazardous waste. Hazardous and non-hazardous wastes are not mixed.

The site is constructed on an impermeable concrete surface with sealed drainage. Surface water runoff is directed away from the storage and treatment activities and collected within sealed bunded tanks. Liquids are collected as required for off-site treatment and disposal at a regulated facility.

Directly associated activities serving the installation consist of raw and ancillary material storage, electrical power generation for the on-site treatment plant and a directly associated activity which falls under Section 3.1 Part B(b) of the Environmental Permitting (England & Wales) Regulations, 2016 for the use of cement in bulk during the treatment process. Cement is stored on-site in a dedicated alarmed silo.

The facility located at Melmerby Industrial Estate (National Grid Reference SE 33897 75736), a rural industrial area approximately 5km north, north east of Ripon and 1.6km west of the A1(M), Junction 50. The closest residential property is located approximately 820 metres away to the north east of the site. The facility is within 2km of two Local Wildlife Sites and two Ancient Woodlands, the facility is not located within the relevant screening distances of any designated Site of Special Scientific Interest (SSSI) or European designated sites; Special Protection Area (SPA), Special Area of Conservation (SAC) and Ramsar site.

The Schedule 1 listed activities undertaken at this installation are as follows:

- Section 5.3 Part A(1)(a)(vi) – Recovery of hazardous waste involving recycling or reclamation of inorganic materials (crushing);
- Section 5.3 Part A(1)(a)(vi) – Recovery of hazardous waste involving recycling or reclamation of inorganic materials (encapsulation); and
- Section 5.6 Part A(1)(a) – Temporary storage of hazardous waste pending any of the activities listed in Section 5.3.

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>
Application EPR/XP3207PZ/A001	Duly made 09/11/2020	Application for a new bespoke asphalt waste recycling facility.
Response to Schedule 5 Notice dated 15/01/2021.	14/05/2021	Updated site condition report received and groundwater baseline data.
Additional information received	29/06/2021	H1 risk assessment received for the on-site diesel generator providing power supply to the treatment plant.
Additional information received	21/07/2021	Revised H1 air screening assessment received.
Additional information received	23/07/2021	Revised site drainage / infrastructure plan and further clarification on surface water management following the original Schedule 5 notice.
Permit determined EPR/XP3207PZ Billing references: - Installation: XP3207PZ - Waste: EAWML 408002	27/09/2021	Permit issued to Recycled Asphalt Products (RAP) Limited.

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/XP3207PZ**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**Recycled Asphalt Products (RAP) Limited** ("the operator"),

whose registered office is

**North Lees Barn**

**North Lees**

**Ripon**

**North Yorkshire**

**HG4 3HW**

company registration number 11403578

to operate an installation and waste operations at

**Recycled Asphalt Products (RAP) Limited**

**Melmerby Industrial Estate**

**Melmerby Green Lane**

**Ripon**

**North Yorkshire**

**HG4 5HP**

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

<b>Name</b>	<b>Date</b>
<b>David Griffiths</b>	<b>27/09/2021</b>

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 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A8), 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 to A8), 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”).
- 2.1.2 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 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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.

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

- 2.3.7 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.

## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

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

- 3.1.1 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.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.4 Noise and vibration**

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

## **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 to A8), a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.



- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

## 4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
    - (i) inform the Environment Agency,
    - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
    - (iii) take the measures necessary to prevent further possible incidents or accidents;
  - (b) of a breach of any permit condition the operator must immediately—
    - (i) inform the Environment Agency, and
    - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
  - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 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 "immediately", in which case it may be provided by telephone.

# Schedule 1 – Operations

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
A1	Section 5.3 Part A(1)(a)(vi) – Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials.	R5: Recycling/reclamation of other inorganic compounds – crushing and screening of asphalt wastes containing coal tar (AWCCT)	Treatment operations shall be limited to the following: <ul style="list-style-type: none"> <li>a) Crushing and screening;</li> <li>b) Encapsulation of AWCCT utilising a cold bitumen foam mix in an enclosed treatment plant;</li> <li>c) Encapsulation of AWCCT utilising a cold cement mix process in an enclosed treatment plant;</li> </ul> of up to 1,000 tonnes per day of the hazardous waste types as specified in table S2.2 for the purpose of recovery. The maximum treatment of hazardous waste (A1, A2) and non-hazardous waste (A9) shall not exceed 2,000 tonnes per day
A2	Section 5.3 Part A(1)(a)(vi) – Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials.	R5: Recycling/reclamation of other inorganic compounds – encapsulation of crushed and screened AWCCT produced under activity A1	
A3	Section 5.6 Part A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.3	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Receipt and storage of AWCCT prior to treatment (on-site). The maximum amount of hazardous materials stored on-site at any given time may not exceed 20,000 tonnes. Storage durations shall not exceed 6 months. Waste types are specified in table S2.2
<b>Directly Associated Activity</b>			
A4	Section 3.1 Part B(b) – Blending cement in bulk or using cement in bulk	Storage and use of cement utilised in the AWCCT treatment process	From receipt and storage of cement in a dedicated silo to use in Activity A2. Storage shall be on an impermeable surface and with sealed drainage.
A5	Raw materials storage	Storage of raw materials and auxiliary materials for use in waste treatment and the operation of plant and equipment	Materials to be stored in dedicated sealed tanks or containers located on impermeable surface with sealed drainage.
A6	Storage of waste at site of production	Storage of CRBM	From storage of CRBM post treatment to export off site. Storage duration shall not exceed 6 months.

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
A7	Power generation for on-site treatment plant	Diesel generator	Operation of a 221 kW diesel generator that is fuelled on low sulphur diesel fuel.
A8	Site drainage storage tanks	Storage of site drainage and process water from storage and treatment areas	Collected surface and process water shall be stored in sealed tanks for collection off site by an authorised waste carrier.
<b>Activity reference</b>	<b>Description of activities for waste operations</b>		<b>Limits of activities</b>
A9	R5: Recycling/reclamation of other inorganic compounds - processing of non-hazardous road planing waste not containing coal-tar asphalt.		Treatment operations shall be limited to: Physical treatment (screening and crushing) of the non-hazardous waste types specified in table S2.2 for the purpose of recovery.
	R13: Storage of waste pending any of the operations numbered R1 to R12 - Storage of non- hazardous road planing waste not containing coal-tar asphalt.		The maximum storage of non-hazardous waste shall be less than 20,000 tonnes at any one time. Non-hazardous waste types as specified in table S2.2. Storage duration shall not exceed 6 months prior to recovery. The maximum treatment of hazardous waste (A1, A2) and non-hazardous waste (A9) shall not exceed 2,000 tonnes per day

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Technical standards as described in Sector Guidance Note (SGN 5.06) recovery and disposal of hazardous and non-hazardous waste (Issue 5, May 2013) Document "Detailed Application Statement" dated February 2020 provided in response to section 3a – technical standards, Part B3 and B4 of the application form.	Duly Made 09/11/2020
	Process flow description, pages 3 and 4 of document "Non Technical Summary", dated February 2020	
	In-Process Controls as detailed in section 2 of the application document "Detailed Application Statement", dated February 2020	
Response to Schedule 5 Notice dated 15/01/2021	Site drainage and infrastructure plan "Appendix 3 - Surface Water Management System" and "Appendix 4 - Infrastructure, Operations and Storage", pages 17-18 of document: Schedule 5 Response, July 2021.	23/07/21

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>The operator shall submit to the Environment Agency a report and plan for approval that must include;</p> <ul style="list-style-type: none"> <li>• The locations and results of the boreholes / trial pits to confirm the thickness, nature and properties of the glacial till.</li> <li>• A reassessment of groundwater flow direction following the revised site investigation works. This shall be based on at least four dips collected over a month. From this, up and down gradient monitoring points shall be identified in the Sherwood Sandstone aquifer taking account the groundwater flow direction and location of surrounding groundwater abstractions.</li> <li>• The proposed locations of down gradient monitoring points, for determinands that would be representative of any potential pollution from the permitted area.</li> <li>• Updated baseline data obtained from the agreed groundwater monitoring points supplementary to the baselines provided in Section 5 (Tables 5.1 to 5.5) of the “rUKHYDRO Limited Groundwater Risk Assessment for the RAP Melmersby Site”, dated 13 May 2021 and “Phase I Environmental Assessment and Condition Report” dated August 2019 originally submitted with the application.</li> <li>• Confirmation that the monitoring recommendations and associated frequencies outlined in 7.3 of the rUKHYDRO Limited Groundwater Risk Assessment for the RAP Melmersby Site, dated 13 May 2021 have been implemented.</li> <li>• Provide an addendum to the Site Condition Report (SCR) to take into account the aforementioned points.</li> </ul>	23/03/2022

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas oil	Less than 0.1% sulphur content.

Table S2.2 Permitted waste types and quantities	
<b>Maximum quantity</b>	The annual throughput of hazardous waste subject to activities A1 and A2 shall not exceed 30,000 tonnes per year. The annual throughput of non-hazardous waste subject to activity A9 shall not exceed 30,000 tonnes per year.
<b>Waste code</b>	<b>Description</b>
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 03</b>	<b>bituminous mixtures, coal tar and tarred products</b>
17 03 01*	bituminous mixtures containing coal tar
17 03 02	bituminous mixtures other than those mentioned in 17 03 01

## Schedule 3 – Emissions and monitoring

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Treatment plant generator as indicated on the site plan in Schedule 7	221 kW Diesel generator	--	No limit set	--	--	--

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
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<b>Table S4.2 Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
AWCCT treated	tonnes
Non-hazardous material treated	tonnes
CRBM produced	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Other performance indicators	Electronic format as agreed in writing by the Environment Agency	27/09/2021



# 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	

<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>	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
<b>To be notified within 24 hours of detection</b>	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

<b>(d) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</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.	

Name*	
Post	
Signature	
Date	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

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

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

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

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

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

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

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

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

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

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

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

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

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

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

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

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table 2.2, for that table, they have the meaning given below:

‘hazardous substance’ means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008

‘heavy metal’ means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances

‘PCBs’ means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight

‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances

‘stabilisation’ means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste

‘solidification’ means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste

‘partly stabilised wastes’ means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term

# Schedule 7 – Site plan



<b>Tanglewood Environmental Limited</b>	<b>Client:</b> Recycled Asphalt Products (RAP) Limited	<b>Site:</b> Melmerby Industrial Estate	<b>Title:</b> Infrastructure, operations and storage
	<b>Scale:</b> NTS	<b>Date:</b> 22/7/2021	<b>DWG No:</b> HH042021

END OF PERMIT