



Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Johnsons Aggregates and Recycling Limited

Johnsons Aggregates and Recycling Ltd - Recycling House

Recycling House

Waterloo Road

Ketley

Telford

TF1 5HW

Permit number

EPR/RP3237YR

Johnsons Aggregates and Recycling Ltd - Recycling House

Permit number EPR/RP3237YR

Introductory note

This introductory note does not form a part of the permit

The Applicant (now the operator) has applied for an environmental permit that will allow the operation of an incinerator bottom ash (IBA) processing plant. Greenway Waste Recycling Limited operated at the site as "Pink Skips Transfer Station" under Permit Ref EAWML 47118 from 2000 to 2017. The company went into liquidation and permit was disclaimed on 17th September 2017. As waste remains on site from previous operations and new infrastructure, site surfacing and drainage systems are proposed we have set a number of pre-operational conditions as specified in schedule 1 table S1.4 of the permit. IBA processing is not permitted until these measures have been completed. The main features of the permit are as follows.

The Installation is located in the at grid reference SJ 67584 10273. The site is located to the west of Waterloo Road, Ketley. It abuts the embankment of the M54 Motorway to the south of the site, with a band of wide of mature trees forming the site's western boundary which is formed by the line of a disused railway. Immediately to the north is a small industrial estate accessed off Sinclair Gardens, with another area of mature trees to the north east.

The installation will accept up to 250,000 tonnes of incinerator bottom ash (IBA) from the thermal treatment of municipal solid waste and 50,000 tonnes of metal wastes per annum. The IBA is processed to yield incinerator bottom ash aggregate (IBAA), which is generally accepted as a replacement for the majority of primary aggregates by both UK and European standards. The installation will comprise the following activities:

- Receipt and acceptance of unprocessed IBA and metal wastes on an external area with an impermeable surface and sealed drainage;
- Storage of IBA for a period of time for conditioning;
- Processing of conditioned IBA in an enclosed building: comprising vibrating screens and magnetic separation to remove the ferrous and non-ferrous metals and grading the product into different sizes;
- External storage of IBAA and separated metals prior to despatch off-site.

The IBA will be transferred to the facility in covered vehicles. The IBA is quenched before being transported, which means that it is carried in a moist condition preventing dust emissions during transportation. The IBA will be processed in accordance with the operator's Environment Management System (EMS) and operational procedures. This includes the inspection of the material prior to processing and ensuring the material is suitable for mechanical treatment. An EMS will be in place prior to the commencement of commissioning of the installation.

There are no point source emissions to air. Rain water is collected in 2 wedge pits for use in dust suppression arising from handling of wastes and on-site traffic movements. The site is equipped with an impermeable surface and a sealed drainage system, all water used in dust suppression will flow into two wedge pit lagoons. During periods of high rainfall and before the wedge pit lagoons reach full capacity, excess water will be collected in tankers and removed off-site for disposal at an appropriate treatment facility. There are no discharges to controlled waters or foul sewer from this installation.

There are 2 Sites of Special Scientific Interest within the relevant distance criteria of the installation. There are 6 non-statutory sites (Local Wildlife Sites, Ancient Woodlands and Local Nature Reserves) within 2 km of the installation. Assessment by the Environment Agency shows that emissions from the installation are unlikely to have an adverse impact on interest features of the ecological sites.

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

Status log of the permit		
Description	Date	Comments
Application EPR/RP3237YR/A001	Duly made 27/11/2017	Application for waste incinerator bottom ash treatment processing facility.
Additional information received	Received 22/02/2018	Response to Schedule 5 including the following documents: <ul style="list-style-type: none"> • JATEL_11 resource efficiency • JATEL_07_ Risk Assessment • JATEL_18 Accident Management Plan_v2 – issue 02 dated 21/02/18 • 2018 - Feb - JATEL_Flood Action Plan.docx • JATEL_15 Odour Management Plan issue 02 dated 20/02/18 • JATEL_13 Noise Management Plan_v2 issue 02 dated 20/02/18 • JATEL_13a - Clement Noise Assessment • Response Question 4) c) Noise source - operational hours.xlsx
Additional information received	Received 11/05/2018	Response to Schedule 5 including the following documents: <ul style="list-style-type: none"> • Appendix B - PLAN including wheel wash.pdf • C2810_IBA Site, Ketley_Drainage Strategy.pdf • Appendix C - Site Drainage Information.pdf • Wedge Pit and Concrete Block Wall Indicative Details_02-06-2017.pdf • Natural pile height and stock control.docx • Ketley Working Plan issue 02 dated 03/04/18 • JATEL_09 Directly Associated Activities_v2 issue 02 dated 03/04/18 • JATEL_10 BAT Assessment_v2 issue 02 dated 03/04/18 • JATEL_14 Dust Management Plan_v2 issue 02 dated 03/04/18 • JATEL12_Waste Acceptance Issue 03 dated 09/05/18 • JATEL_07_ Ferrous Metal Risk Assessment May 18
Permit determined EPR/RP3237YR (PAS Billing ref. RP3237YR)	31/08/2018	Permit issued to Johnsons Aggregates and Recycling Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/RP3237YR

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

Johnsons Aggregates and Recycling Limited (“the operator”),

whose registered office is

Johnsons Recycling Centre Crompton Road

Off Merlin Way

Ilkeston

Derbyshire

DE7 4BG

company registration number 04366658 to operate an installation at

Johnsons Aggregates and Recycling Ltd - Recycling House

Recycling House

Waterloo Road

Ketley

Telford

TF1 5HW

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

Name	Date
Liz Ebbs	31/08/2018

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 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 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.

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.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 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.
- 3.1.2 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.

3.4 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.

3.5 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 from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.6 Fire prevention

- 3.6.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
 - (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 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. 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) the performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.3 of that schedule.
- 4.2.3 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.
- 4.2.4 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 (a)(i) or 4.3.1 (b)(i) 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 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.
- 4.3.4 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.
- 4.3.5 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

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
AR1	S5.4 A(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.	R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	From receipt of permitted waste to treatment and recovery (incinerator bottom ash aggregate). Treatment consisting of crushing, separation and screening of incinerator bottom ash shall be carried out on an impermeable surface with sealed drainage. Treatment shall be carried out in specified areas as detailed in the site plan. Waste types suitable for acceptance are limited to those specified in Table S2.2.
Directly Associated Activity			
AR2	Storage of waste pending recovery	R13: Storage of waste pending the operations numbered R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced).	Storage of incinerator bottom ash in the designated external area on an impermeable surface with sealed drainage system prior to treatment.
AR3	Storage of processed materials	Storage of separated ferrous metals, non-ferrous metals and incinerator bottom ash aggregate.	From storage of processed materials to despatch for recovery off site. Storage of separated ferrous metals, non-ferrous metals and incinerator bottom ash aggregate shall be undertaken on an impermeable surface with sealed drainage system, as described in the application.
AR4	Raw material storage	Storage of raw materials including diesel and, lubrication oils.	From the receipt of raw materials to despatch for use within the facility. Storage of raw materials including diesel and lubrication oils shall be undertaken as described in the application.
AR5	Process water collection and storage	Collection and storage of process water from incinerator bottom ash storage heaps in two wedge pit lagoons.	From the collection of water from storage areas to re-use within the facility for dust suppression or disposal off-site.
AR6	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in a storage tanks.	From the collection of uncontaminated rain water from building roofs and mains supply only to re-use within the facility or disposal off-site.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/RP3237YR/A001	Information provided in response to section 3a – technical standards , Part B3 of the application form and the following other documents: <ul style="list-style-type: none"> • JATEL_IBMM Policy Statement • JATEL_A5 Plant layout Telford -Process Flow (excluding shredder) • JATEL_16 Vibration Management Plan • Risk Assessment Form -IBMSHE004 -Appendix 1 • Fire Safety Policy IBMSHE020 and Fire Safety Risk Assessment PROCEDURE NO. IBMSHE020 Appendix 1 • JATEL Aspects & Impacts spreadsheet. 	Duly Made 27/11/17
Response to Schedule 5 Notice 1 dated 25/01/18	Response to questions: 3, 4, 5, 6, 7,10, 21 and 22 detailing the process controls to minimise odour ,noise, flooding, accident management and resource efficiency and including the following documents: <ul style="list-style-type: none"> • JATEL_07_ Risk Assessment (For IBA only) • JATEL_11 resource efficiency • 2018 - Feb - JATEL_Flood Action Plan.docx • JATEL_13 Noise Management Plan_v2 issue 02 dated 20/02/18 • JATEL_13a - Clement Noise Assessment • Response Question 4) c) Noise source - operational • JATEL_15 Odour Management Plan issue 02 dated 20/02/18 • JATEL_18 Accident Management Plan_v2 – issue 02 dated 21/02/18 	22/02/18
Response to Schedule 5 Notice 2 dated 19/04/18	Response to questions 6 on dust management; 8 & 12 waste to be processed and waste acceptance procedures; 13 drainage and maintenance of wedge pits, 16 BAT Assessment and including the following documents: <ul style="list-style-type: none"> • Appendix B - PLAN including wheel wash.pdf • C2810_IBA Site, Ketley_Drainage Strategy.pdf • Appendix C - Site Drainage Information.pdf • Wedge Pit and Concrete Block Wall Indicative Details_02-06-2017.pdf • Natural pile height and stock control.docx • Ketley Working Plan issue 02 dated 03/04/18 • JATEL_09 Directly Associated Activities_v2 issue 02 dated 03/04/18 • JATEL_10 BAT Assessment_v2 issue 02 dated 03/04/18 	11/05/18

Table S1.2 Operating techniques		
Description	Parts	Date Received
	<ul style="list-style-type: none"> JATEL_14 Dust Management Plan_v2 issue 02 dated 03/04/18 JATEL12_Waste Acceptance Issue 03 dated 09/05/18 JATEL_07_ Ferrous Metal Risk Assessment May 18. 	

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall provide evidence that the equipment installed on site has emission specifications that are consistent with noise assessment submitted with the application. If the emission levels are identified to be higher than predicted in the noise assessment referred to above, the operator shall submit a revised noise assessment in accordance with the specified procedures in BS4142:2014 using actual noise.	4 months following the commencement of site operations.
IC2	<p>Following the completion of IC1 the operator shall submit to the Environment Agency a revised noise management plan detailing proposals and timescales for the implementation of appropriate noise mitigation measures to ensure that site noise levels do not give rise to pollution.</p> <p>The proposals for noise mitigation shall be in accordance with the requirements of the Environment Agency's Technical Guidance Note IPPC H3 (Part 2) – Noise Assessment and Control. The proposals shall be implemented by the operator from the date of approval in writing by the Environment Agency subject to any such amendments or additions as notified by the Environment Agency.</p>	1 month following the completion of IC1.

Table S1.4 Pre-operational measures	
Reference	Pre-operational measures
PO1	At least 4 weeks (or any other date as agreed with the Environment Agency) prior to the acceptance of waste specified in Table S2.2 at the installation the Operator shall submit a report on the baseline conditions of soil and groundwater at the installation. The report shall contain the information necessary to determine the state of soil and groundwater contamination so as to make a quantified comparison with the state upon definitive cessation of activities provided for in Article 22(3) of the IED. The report shall contain information, supplementary to that already provided in application Site Condition Report, needed to meet the information
PO2	<p>At least 8 weeks (or any other date as agreed with the Environment Agency) prior to the acceptance of waste specified in Table S2.2 at the installation, the operator shall ensure that a review of the design, method of construction and integrity of the proposed site surfacing, wedge pits, pipelines and secondary containment is carried out by a qualified structural engineer. The review shall compare the integrity of the site surfacing against the requirements of Section 2.2.5 of the Sector Guidance Note IPPC S5.06 – Guidance for the Recovery and Disposal of Hazardous and Non-Hazardous Waste and CIRIA C736 - Containment Systems for the Prevention of Pollution - secondary, tertiary and other measures for industrial and commercial premises or other relevant industry standard.</p> <p>A written report of the review shall be submitted to the Environment Agency detailing the review's findings and recommendations. Remedial action shall be taken to ensure that the site surfacing, secondary containment and drainage meets the standards set out in the technical guidance documents and that the maintenance and inspection regime is implemented.</p> <p>No site operations shall commence unless the Environment Agency has given prior written permission under this pre-operational measure.</p>

Schedule 2 – Waste types, raw materials and fuels

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

Table S2.2 Permitted waste types and quantities for treatment of incinerator bottom ash	
Maximum quantity	Annual throughput shall not exceed 300,000 tonnes of which 250,000 is IBA and 50,000 is ferrous waste.
Waste code	Description
19 01	wastes from incineration or pyrolysis of waste
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 02	ferrous materials removed from bottom ash
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 – residual IBA received back for recovery

Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Schedule 4 – Reporting

Table S4.1 Annual production/treatment	
Parameter	Units
Incinerator bottom ash processed	tonnes
Incinerator bottom ash aggregate recovered	tonnes
Ferrous metals recovered	tonnes
Non-ferrous metals recovered	tonnes
Process water tankered off-site	tonnes or m ³
Amount disposed to landfill	tonnes

Table S4.2 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	Tonnes or m3
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.3 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	09/08/2018
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	09/08/2018
Other performance indicators	Form Performance 1 or other form as agreed in writing with Environment Agency	09/08/2018
Waste returns	E-Waste Return Form	--

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“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.

“bottom ash” means ash falling through the grate transported by the grate.

“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 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.

“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, as amended from time to time.

“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 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

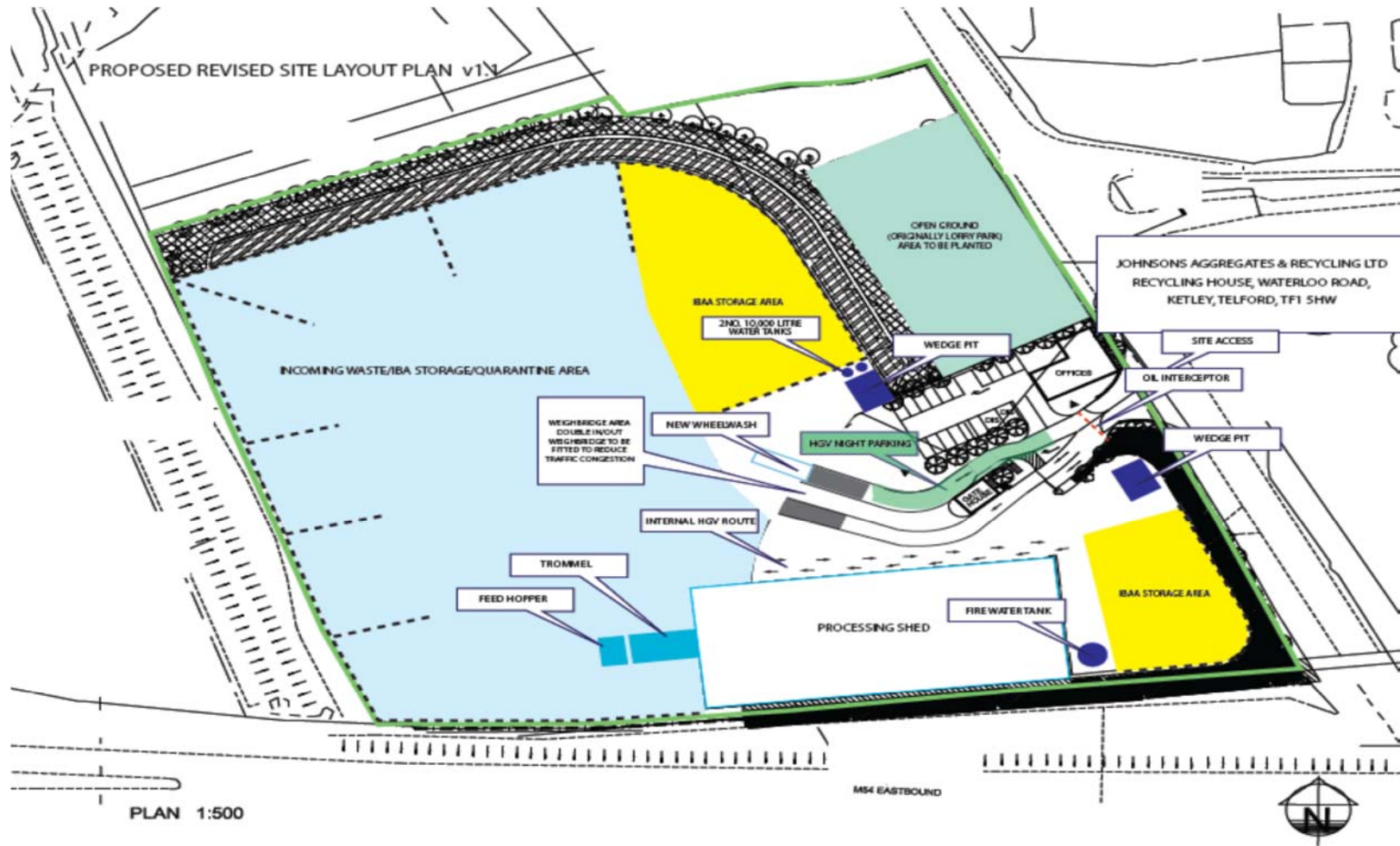
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

Schedule 7 – Site plan



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END OF PERMIT

Permit number
EPR/RP3237YR

Permit Number:	EPR/RP3237YR/A001	Operator:	Johnsons Aggregates and Recycling Limited
Facility:	Johnsons Aggregates and Recycling Ltd - Recycling House	Form Number:	WaterUsage1 / 09/08/2018

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed

Date.....

(authorised to sign as representative of Operator)

Permit Number:	EPR/RP3237YR/A001	Operator:	Johnsons Aggregates and Recycling Limited
Facility:	Johnsons Aggregates and Recycling Ltd - Recycling House	Form Number:	EnergyUsage1 / 09/08/2018

Reporting of Energy Usage for the year

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

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number:	EPR/RP3237YR/A001	Operator:	Johnsons Aggregates and Recycling Limited
Facility:	Johnsons Aggregates and Recycling Ltd - Recycling House	Form Number:	Performance1 / 09/08/2018

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

Parameter	Units
Incinerator bottom ash processed	tonnes or m ³
Incinerator bottom ash imported	tonnes or m ³
Incinerator bottom ash aggregate recovered	tonnes or m ³
Ferrous metals recovered	tonnes or m ³
Non-ferrous metals recovered	tonnes or m ³
Process water tankered off-site	tonnes or m ³
Total raw materials used	tonnes or m ³
Amount disposed to landfill	tonnes or m ³

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)