

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Blue Phoenix Limited
Widnes IBA Processing Facility
Johnson's Lane
Widnes
Cheshire
WA8 0SJ

Variation application number

EPR/DP3631WQ/V004

Permit number

EPR/DP3631WQ

Widnes IBA Processing Facility

Permit number EPR/DP3631WQ

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

Changes introduced by this variation notice:

This variation has been issued to update the permit following a statutory review of the permits in the industry sector for treatment of incinerator bottom ash.

The Industrial Emissions Directive (IED) came into force on 7th January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) conclusions as described in the Commission Implementing Decision. The BAT conclusions for incineration were published on 03 December 2019 in the Official Journal of the European Union (L323) following a European Union wide review of BAT, implementing decision 2017/2117/EU of 21 November 2017.

The main features of the permit are as follows:

The environmental permit allows the operation of an Incinerator Bottom Ash recovery facility. The installation accepts and treats Incinerator Bottom Ash (IBA) to recover ferrous and non-ferrous metal and to produce different sized fractions of processed IBA. The IBA fractions are blended to produce an IBAA which meets the relevant standard for the end-use, these are then stored externally in the site yard. The facility is permitted to accept up to 350,000 tonnes of IBA per year.

The Widnes IBA processing facility activities comprise of:

- 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.
- Storage of waste prior to treatment.
- Storage of recovered IBAA and residual waste after treatment
- Storage of raw materials
- Blending of IBAA fractions with virgin/primary aggregate.
- Collection of uncontaminated surface water in tanks for reuse or transfer to onsite storage lagoons
- Collection and storage of contaminated water in a lagoon for re-use on site or discharge to surface water .

Unprocessed IBA is transferred from the site of production to the Widnes IBA Processing Facility in covered vehicles. IBA is quenched before being transported, which means that it arrives on site in a moist condition reducing dust emissions.

The IBA is processed within an enclosed building comprising vibrating screens and magnetic separation to remove the ferrous and non-ferrous metals and grading the product into different sizes. Screening of IBA using a mobile screening plant also takes place outside of the building.

There is a point source emission to surface water. Uncontaminated rainwater from building roofs will be collected in a storage tank and used for dust suppression. Excess rainwater from process and surface water run-off from within the IBA processing facility is collected in lagoons and used for dust suppression and in the conditioning of the IBA stockpiles. During periods of high rainfall, excess water will be discharged to surface water. A lagoon monitoring plan is in place for the operational life of the facility. The treatment and storage areas are impermeable with a sealed drainage system.

The Widnes IBA Processing facility is located at Johnsons Lane, Widnes at grid reference SJ 53577 85868. The facility is bordered to the North by a sewage sludge treatment plant and to the South by undeveloped grassland. To the east there is a disused railway embankment, and to the west an undeveloped grassland, a community waste collection site and industrial units / waste storage treatment sites. The nearest residential receptor is a house located at approximately 867m to the west of the facility.

The Mersey Estuary (Special Protection Area and Ramsar site) is located within 10 km of the proposed facility. There are seven non-statutory habitat sites within 2 km of the proposed facility. 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 schedules specify the changes made to the permit.

We consider that in reaching our decision to vary the permit we have taken into account all relevant considerations and legal requirements. We are satisfied that the permit will ensure that a high level of protection is provided for the environment and human health and that the activities will not give rise to any significant pollution of the environment or harm to human health.

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

Status log of the permit		
Description	Date	Comments
Application EPR/DP3631WQ/A001	Duly made 03/11/15	Application for an incinerator bottom ash (IBA) Recycling Facility.
Additional information received	21/01/16	Response to Schedule 5 notice dated 17/12/15.
Additional information received	15/02/16	Response to Schedule 5 notice dated 05/02/16.
Permit determined EPR/DP3631WQ (Billing reference: DP3631WQ)	10/03/16	Permit issued to Ballast Phoenix Limited.
Application EPR/DP3631WQ/V002 (variation and consolidation)	Duly made 02/03/17	Application to vary the permit and increase annual throughput and add one waste code.
Additional information received	18/05/17	Additional information regarding the description of new waste type: residual IBA.
Variation determined EPR/DP3631WQ (Billing reference: TP3138YY)	30/05/17	Varied permit issued to Ballast Phoenix Limited.
Notified of change of Company Name	26/01/202	Company name changed to Blue Phoenix Limited.
Variation determined EPR/DP3631WQ/V003	06/02/2020	Varied permit issued to Blue Phoenix Limited
Environment Agency Non-hazardous Waste Sector Review Variation number EPR/DP3631WQ V004 (variation and consolidation)	14/04/23	Regulation 61 Notice requiring information for Statutory review of permit. BAT Conclusions published 03 December 2019 - documents received in response to the Regulation 61 Notice dated 13/07/2023
Application EPR/DP3631WQ/V005 (variation and consolidation)	Duly Made 21/03/24	Application to vary the permit and increase permit boundary for additional storage area and new attenuation lagoon.
Additional information received	03/07/24	Response to Schedule 5 notice dated 13/06/24.

Status log of the permit		
Description	Date	Comments
Variation determined and consolidation issued EPR/DP3631WQ/V005	20/09/24	Varied and consolidated permit issued in modern format
Variation issued EPR/ DP3631WQ/V004	08/01/25	Varied and consolidated permit issued in modern format

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/DP3631WQ

Issued to

Blue Phoenix Limited (“the operator”)

whose registered office is

1 Victoria Stables

Essex Way

Bourne

Lincolnshire

PE10 9JZ

company registration number 03290431

to operate a regulated facility at

Widnes IBA Processing Facility

Johnson’s Lane

Widnes

Cheshire

WA8 0SJ

to the extent set out in the schedules.

The notice shall take effect from 08/01/25

Name	Date
Peter Maksymiw	08/01/2025

Authorised on behalf of the Environment Agency

Schedule 1

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

Condition	Reason
Conditions 2.5.1 added	Pre operational condition added to the permit
Table S1.1 as referenced by condition 2.1.1 and 2.3.7	To clearly define the activities that are undertaken at the site and to apply relevant limits to them
Table S1.3 as referenced by condition 2.4.1	Amended to include new Improvement Conditions IC2a, IC2b IC3a and IC3b.
Table S1.4 as referenced by condition 2.5.1	Pre operational condition added
Table S3.2 as referenced in condition 3.5.1 and 3.5.4	To include modern permit requirement
Table S3.3 as referenced in condition 3.5.1	To include new monitoring standard guidance

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/DP3631WQ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DP3631WQ/V005 authorising,

Blue Phoenix Limited (“the operator”),

whose registered office is

1 Victoria Stables

Essex Way

Bourne

Lincolnshire

PE10 9JZ

company registration number 03290431

to operate an installation at

Widnes IBA Processing Facility

Johnson’s Lane

Widnes

Cheshire

WA8 0SJ

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

Name	Date
Peter Maksymiw	08/01/2025

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.
- 2.3.7 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.

2.5 Pre-operational conditions

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table 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.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1
 - (b) process monitoring specified in table S3.2.
 - (c) ambient air monitoring specified in table S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 2 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 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.
- 3.6.2 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 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.
- 4.3.7 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 despatch off-site for recovery. Treatment of incinerator bottom ash consisting of crushing, separation and screening shall be carried out in an enclosed building and/or enclosed equipment on an impermeable surface with a sealed drainage system. There shall be no channelled emissions to air from this activity. Waste types suitable for acceptance are limited to those specified in Table S2.2.
Directly Associated Activity			
AR2	N/A	Storage of IBA 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 IBA on an impermeable surface with a sealed drainage system prior to treatment in enclosed building. There shall be no channelled emissions to air from this activity. The maximum quantity of IBA, IBAA, ferrous/non-ferrous metals stored at any one time at the site is limited to 350,000 tonnes. No waste shall be stored for more than 12 months. Waste types suitable for acceptance are limited to those specified in Table S2.2.
AR3	N/A	Storage of wastes recovered from the IBA treatment processes R13: Storage of waste pending any of the operations numbered R1 to	From recovery of waste to despatch off-site for use. Storage of processed IBAA, ferrous and non-ferrous metals after treatment.

		R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>The maximum quantity of IBA, IBAA, ferrous/non-ferrous metals stored at any one time is limited to 350,000 tonnes.</p> <p>Storage shall take place on an impermeable surface with a sealed drainage system.</p> <p>There shall be no channelled emissions to air from this activity.</p> <p>No waste shall be stored for more than 12 months.</p>
AR4	N/A	Storage of raw materials	From the receipt of raw materials to despatch for use within the facility.
AR5	N/A	Collection and storage of contaminated site drainage in two settlement lagoons.	<p>From the collection of contaminated process water produced at the facility to storage in the two site lagoons for reuse within the facility for dust control or discharge to surface water.</p> <p>The discharge of water from the storage lagoons to surface water shall be from emission point S1 only</p>
AR6	N/A	Collection and storage of uncontaminated roof water in one storage tank	From the collection of uncontaminated roof water to storage in a tank for re-use on storage areas.
AR7	N/A	<p>Blending of IBAA fractions with aggregates</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>Treatment consisting of blending of IBAA fractions with aggregates only.</p> <p>There shall be no channelled emissions to air from this activity</p> <p>Treatment shall take place on an impermeable surface with sealed drainage.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/DP3631WQ/A001	Information provided in response to Appendix 5, Part B3 of the application form – Waste acceptance and Storage Procedures. <u>Other documents:</u>	03/11/15

	<ul style="list-style-type: none"> • Best Available Techniques Assessments • Control of Dust and Debris Statement • Particulate Monitoring Protocol • Proposed Monitoring Locations 	
Response to Schedule 5 Notice dated 17/12/15	<p>Response to questions detailing:</p> <ul style="list-style-type: none"> • Site surface cleaning; • Emissions to surface water sewer; • Storage of waste at any one time; • Lagoon monitoring plan; • Fugitive Emissions Management Plan & Risk Assessment; • Waste Acceptance Criteria; • Accident Management Plan 	21/01/16
Response to regulation 61 notice EPR/DP3631WQ/V004	<p>Documents received in response to the Regulation 61 Notice titled:</p> <ul style="list-style-type: none"> • BPUK Johnsons Lane 220220 BATC Return Spreadsheet. • BPL QMS Storage and Handling of IBA-IBAA • BPL EMS P005 Waste Acceptance Criteria • Fugitive Emissions Management Plan and Risk Assessment 	13/07/23
Application EPR/DP3631WQ/V005	<p>Application form Part C3 Section 3a – Technical Standards. Application supporting documents including:</p> <ul style="list-style-type: none"> • Main Application Document • Best Available Technique Assessment • Updated Environmental Risk Assessment Addendum • Updated Site Condition Report 	Duly Made 21/03/24
Response to Schedule 5 Notice dated 13/06/24	<ul style="list-style-type: none"> • Updated Site Layout Plans • Drawings for storage volumes • CIRIA C736 risk assessment for new attenuation lagoon • Updated Dust Management Plan v2 	03/07/2024

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall submit a revised Dust Management Plan (DMP) to the Environment Agency for approval.</p> <p>The revised plan shall include an assessment of the risk of dust pollution associated with the permitted site operations and a proposal for optimum moisture ranges and details of the moisture monitoring method and frequency for the IBA and IBAA. The monitoring methods may include for example, the use of moisture probes or dry/wet analysis or any other alternative methods that are suitable for establishing the optimum moisture range for effective dust emission control.</p> <p>The plan shall take into account the appropriate measures for dust control specified in the <u>Non-hazardous and inert waste: appropriate measures for permitted facilities guidance</u> and <u>Control and monitor emissions for your environmental permit</u>.</p>	20/09/2025

	Once the DMP is approved by the Environment Agency, the operator shall carry out site operations in accordance with the approved DMP, and any subsequent revisions agreed in writing by the Environment Agency.	
IC2a	The operator shall undertake a review of the site surfacing and drainage systems for all areas where waste storage and treatment is taking place. The review shall ascertain the state, design and construction standard of impermeable surfaces and sealed drainage systems on site to confirm that they are in line with, or equivalent to the standards required in CIRIA Report C736. The report of the review shall be certified by a suitably qualified engineer and submitted to the Environment Agency for approval together with details of any improvements	08/07/25
IC2b	Following the completion IC2a, the operator shall implement the improvement measures by the deadline specified in this improvement condition unless otherwise agreed in writing with the Environment Agency. The improvements may include, but are not limited to, the installation of impermeable surface, sealed drainage and containment systems	08/07/26
IC3a	The operator shall carry out a detailed review of the existing waste treatment, storage and handling equipment at the site to ensure that they are in accordance with the requirements specified in the <u>Non-hazardous and inert waste: appropriate measures for permitted facilities</u> guidance and BAT 24 of the <u>Waste Incineration BAT Conclusions</u> . This review shall include but not be limited to an assessment of: <ul style="list-style-type: none"> • The screening activities taking place outside. • Stockpile protection. • Discharge height of conveyors. Following the review, the operator shall submit a written report to the Environment Agency for approval outlining the results of the review and measures and procedures that are in place to prevent fugitive emissions of dust. The report shall include recommendations for improvements and installation of new infrastructure, including timescales for implementation of the identified improvements	08/07/25
IC3b	Following the completion of IC3a, the operator shall implement any improvements by the deadline specified in this improvement condition unless otherwise agreed in writing with the Environment Agency.	08/07/26

Table S1.4 pre-operational measures for future development		
Reference	Operation	Pre-operational measures
P01	Area highlighted in red in schedule 7	At least 4 weeks prior to operation of the new area marked in red in schedule 7, the operator shall submit a written post-commissioning report to the

Table S1.4 pre-operational measures for future development		
Reference	Operation	Pre-operational measures
		<p>Environment Agency for assessment and written approval.</p> <p>The report should include :</p> <ul style="list-style-type: none"> • A written report by a qualified engineer that summarises the effectiveness and integrity of the site surfacing and lagoon design against CIRIA C736 • A maintenance and inspection regime.

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 (Activity A1)	
Maximum quantity	Annual throughput shall not exceed 350,000 tonnes.
Waste code	Description
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 01	wastes from incineration or pyrolysis of waste
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 12	Residual IBA received back for recovery

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
S1 on site plan emission to surface water	Waste water from bottom ash treatment	Total organic carbon (TOC)	30 mg/l	Flow proportional composite sample over discharge duration, or spot sample if the discharge is mixed and homogeneous	Monthly or otherwise bi-annually if agreed in writing by the Environment Agency	EN 1484
		Total suspended solids	40 mg/l			EN 872
		Lead	0.06 mg/l			EN ISO 11885 EN ISO 17294-2 or EN ISO 15586
		Ammonium – nitrogen (NH ₄ -N)	30 mg/l			EN ISO 11732 or EN ISO 14911
		Chloride (Cl ⁻)	No Limit set			EN ISO 10304-1 or EN ISO 15682
		Sulphate (SO ₄ ²⁻)	1,000 mg/l			EN ISO 10304-1
		Dioxins/Furans (I-TEQ)	No limit set		Bi-annually	BS ISO 18073

Table S3.2 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Process building; IBA and IBAA storage pads	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary
At the identified monitoring locations shown in Figure 7 of the DEMP v2	Dust	Daily	Visual assessment	--

Oil storage tanks	Integrity checks	Weekly	Visual assessment	--
At the IBA and IBAA waste stockpiles	Moisture content	As agreed under the dust emissions management plan	As agreed under the dust emissions management plan required by Improvement Condition IC1	
Surface water discharge – as shown on layout and drainage plans	pH	Flow proportional composite sample over discharge duration, or spot sample if the discharge is mixed	BS ISO 10523	-
	Conductivity		EN 27888	-

Table S3.3 Ambient air monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
At the identified monitoring locations shown in Figure 7 of the DEMP v2	Deposited dust	Monthly	Monitoring emissions to air, land and water (MCERTS)	Monitoring methods, trigger levels and actions as specified in dust emissions management plan
	Visual dust checks	Daily		

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to surface water Parameters as required by condition 3.5.1	Surface water discharge - as shown on layout and drainage plan	Every 12 months	1 January
Process monitoring Parameters as required by condition 3.5.	At the IBA and IBAA waste stockpiles	Every 6 months	1 January, 1 July
Ambient air monitoring Parameters as required by condition 3.5	At the monitoring points shown in Figure 7 of the DEMP	Every 6 months	1 January, 1 July

Parameter	Units
IBA treated	tonnes
IBAA produced	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³ per tonne of processed ash
Energy usage	Annually	MWh per tonne of processed ash

Media/parameter	Reporting format	Date of form
Point source emissions to surface water	Emissions to water Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Ambient air monitoring	Ambient Air Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Process monitoring	Process Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
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.	

(d) 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.

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

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“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 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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“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.

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system
- all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged to foul sewer.

“separation” means separating wastes into different material types, components and grades.

“sorting” means sorting that may be undertaken by hand or machinery. Sorting enables materials to be processed and recycled appropriately. It may involve separation of different waste types or the separation of different metal types including different ferrous metals, non-ferrous metals and non-metallic materials (e.g. paper and plastic). The sorted metals are graded by visual inspection, supplemented by chemical and other laboratory tests. The physical sorting may be assisted by conveyors and electromagnets.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

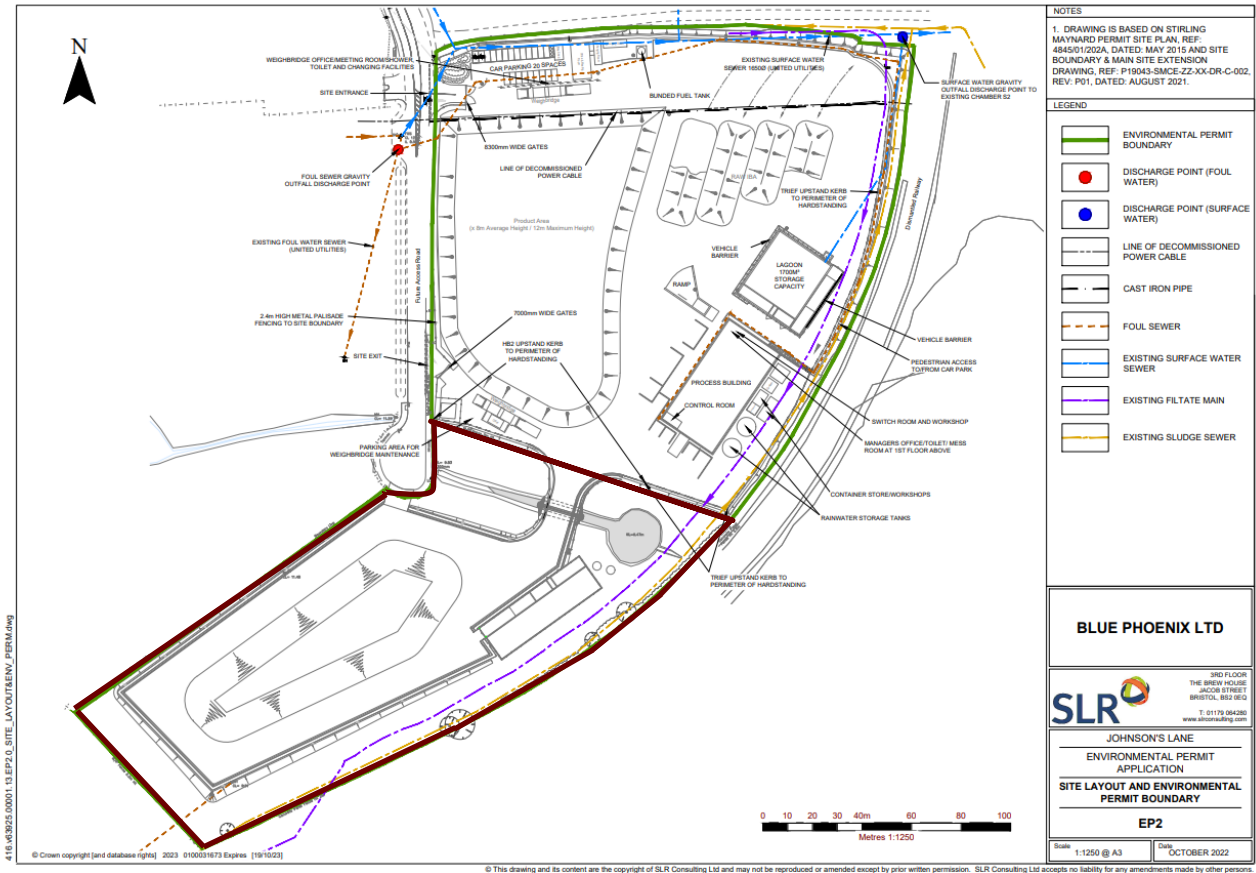
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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



END OF PERMIT