Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Day Group Limited

Murphy's Wharf
Lombard Wall
Greenwich
London
SE7 7SH

Variation application number

EPR/DP3490EU/V008

Permit number

EPR/DP3490EU

Murphy's Wharf
Permit number EPR/DP3490EU

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 as well as a number of waste operations which handle various waste streams to produce high quality recycled aggregates including glass cullet and hydraulically bound mixtures (HBM). The installation activity accepts and treats Incinerator Bottom Ash (IBA) to recover ferrous and non-ferrous metal and to produce an Incinerator Bottom Ash Aggregate (IBAA). The facility is permitted to accept up to 140,000 tonnes of IBA per year.

Site activities are as follows:

- 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 and after treatment.
- Process water collection and storage for re-use on site or discharge
- Blending of IBAA with non-waste materials
- Glass Recycling
- Construction and demolition waste recycling and reclamation
- Production of hydraulically bound materials
- Temporary storage and transfer of glass waste
- Temporary storage and transfer of metal waste

<u>Incinerator Bottom Ash Treatment</u>

The IBA is received and stored at the site until the Energy from Waste (EFW) operators provide confirmation to demonstrate that the IBA is non-hazardous in nature. Unprocessed IBA is tipped and stored in windrows up to 8m high by hydraulic excavator in a three sided building or in an external three sided bay in windrows of up to 7m high. IBA is matured and when confirmation of the non-hazardous sample is received, typically within 2-4 weeks IBA is then processed. The installation is authorised to process up to 600 tonnes of Incinerator Bottom Ash (IBA) per day.

The treatment process involves removal of ferrous and non-ferrous metals through the use of vibrating screens, over-band magnets, trommeling, eddy current separation and manual picking. These processes

separate out metal fractions and produce IBA fractions. IBA fractions are recombined then blended with aggregates to produce an IBAA which meets the relevant standard for the end-use. The treatment and storage areas have an impermeable surface with sealed drainage.

Treatment of IBA takes place in enclosed buildings and transfer between buildings is via enclosed conveyors. All conveyors are covered. All screens, magnets and eddy current separators are housed in enclosed buildings and doors are kept closed unless in use. IBAA is stored in external bays. When processed IBAA is dropped from the discharge conveyors it is fed through mist halos adding moisture back in to prevent dust when discharging into the stockpile. To further reduce fugitive emissions, dust suppression sprays are used to dampen down road surfaces, within high traffic areas such as outside the IBA building. These road surfaces will be kept damp at all times.

IBA is stored and treated on an impermeable surface with sealed drainage. Waste waters generated in areas 1a and 1b on the drainage plan are 'contaminated' and subject to a trade effluent consent and discharged to sewer via underground pipework. Waste waters from area 1a flow through settlement pits prior to discharge. In area 2 the contaminated run off is channelled over the concrete, running past the C&D plant and then into a settlement pit that contains both contaminated and uncontaminated run off. This water is re-used in site processes unless there is an excess of water which is then discharged to sewer. This discharge is also subject to the trade effluent consent.

To prevent/minimise dust emissions, the incoming waste is received and stored at a moisture content of 18-20%. Moisture content of the IBA is monitored and the site management can take actions to ensure the IBA stays moist and does not cause dust emissions. Moisture content will fluctuate throughout the treatment process and typically IBAA stockpiles have a resulting moisture content of 10-16%. The moisture content of the IBAA is also monitored and additional water added if necessary to prevent dust release.

Waste operations

A number of waste operations are undertaken on site. C&D (Construction and demolition) waste is processed into recovered aggregates and soils. Waste material is processed through a series of crushers, screens, magnets and picking stations. The primary feed and jaw crusher for this process is located outside and the waste is then conveyed into a building for the remainder of the process. Metals and wastes from the C&D recycling are stored outside in bays or skips. Further to this operation a Hydraulically Bound Materials (HBM) blending waste activity is also carried out on site. Cement is delivered by road to site and blended with sand, aggregates, binders and water to create the required mix. The mix is dispensed via a discharge belt directly into a tipper wagon, or in special circumstances stockpiled on the floor for bulk loading by wheeled loading shovel. These waste operations are authorised to process a combined total of 450,000 tonnes per year. The depot has the capacity to handle up to 2,000 tonnes of C&D materials per day for processing. Transfer of C&D materials also takes place, and the depot can accept up to 300 tonnes per day for transfer. The HBM plant has a capacity of 800 tonnes per day.

Run off from the C&D plant is collected in settlement pits and recycled for use on site with surplus water being discharged to a combined sewer. Surface water may also percolate into the underlying strata where it falls onto wastes stored on hardstanding.

The facility is also authorised to carry out waste glass transfer. Glass waste is received and stored on the main site on a concrete surface with a sealed drainage system the glass reception bay is walled and netted to 3 sides. It is then loaded and transferred by sheeted lorries onto the jetty from where contracted vessels are filled via a barge loading depot. The facility has the capacity to handle up to 500 tonnes of Mixed Glass per day and is authorised to accept 210,000 tonnes per year.

Waste glass treatment is also authorised by the permit. The facility can treat up to 100,000 tonnes of waste glass per year.

The facility is located at Murphy's Wharf, Greenwich. The centre of the Installation is approximately at National Grid Reference TQ 40626 78945. The nearest residential housing is at Horn Link Way, approximately 275 metres west from the boundary of the installation. Other residential housing off Anchor and Hope Lane is within 370 metres east of the boundary. Retail areas are within 100m of the site boundary to the south and southeast. Other industrial sites boarder the site boundary. The site boarders the River Thames. Gilberts Pit (SSSI) is approximately 1.1km to the southeast of the site boundary. The site is located

within Air Quality Management Area (AQMA) for PM_{10} (particulate matter under 10 micrometres in diameter) and for Nitrogen Dioxide (NO_2).

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	**Date**	**Comments**
Permit determined EAWML 83515	03/12/04	Permit issued to Day Group Limited
Application EPR/DP3490EU/V002 (variation and consolidation)	Duly made 24/02/12	Application to vary and update the permit to modern conditions
Variation determined EPR/DP3490EU	10/04/12	Varied and consolidated permit issued in modern condition format.
Application EPR/DP3490EU/V003 (variation)	Duly made 29/05/13	Application to vary the permit for the addition of one waste type (19 12 12).
Variation determined EPR/DP3490EU	30/05/13	Varied permit issued.
Application EPR/DP3490EU/V004 (variation)	Duly made 19/09/14	Application to vary and update the permit to IED conditions.
EPR/DP3490EU/V004	28/04/16	Varied and consolidated permit issued in modern condition format.
EPR/DP34490EU/V005 (variation)	Returned 16/10/20	Application returned
EPR/DP34490EU/V006 (variation and consolidation)	Duly Made 11/02/21	Application for the addition of EWC code 19 12 12, and the increase of IBA processing from 100,000(t) per year to 140,000(t) per year, and the addition of a glass temporary storage activity for EWC codes 19 12 05 and 20 01 02.
Additional information received. Response to schedule 5 notice dated (18/2/21)	22/02/21	Confirmation of glass contamination levels
Additional information received. Response to e-mail dated (24/02/21)	26/02/21	Confirmation of rejection process for IBA classified as hazardous.
Variation determined and consolidation issued EPR/DP3490EU (Billing Ref: ZP3002LY)	12/03/21	Varied and consolidated permit issued.
Application Variation EPR/DP3490EU/V007	Duly Made 11/04/23	Application for addition EWC codes to A5 glass recycling and A6 C&D recycling, namely 15 01 07 and 19 12 05. Reduction in tonnage of glass stored to 4,500 tonnes and increase tonnage of IBA stored by 4,500 tonnes. The additional 4,500 tonnes IBA will be stored externally in 3-sided bay on impermeable surface with sealed drainage. A6 soil screening has been moved to the jetty where soils will be screened on hardstanding using mobile plant.

Status log of the permit		
Description	**Date**	**Comments**
Additional information response to email dated (07/03/2023)	07/03/20	Email dated 07/03/2023 indicating that screening of 17 03 02 or 17 05 08 will not be undertaken on jetty with mobile plant.
Additional information response to Schedule 5 Notice dated (04/05/2023)	05/06/23	Dust and Emissions Monitoring Plan dated May 2023 GR001-59 Rev 1 Infrastructure Plan, GR001-23 Rev 4 Greenwich Waste Storage Plan, GR001-33 Rev 2 Site drainage plan, 2587-02 Rev B Site Setting, Environmental Contact Details (Greenwich), Daily Environmental Log (format), Site log (format).
Additional information response to Schedule 5 Notice dated (04/05/2023)	15/06/23	GR001-145 Rev0 Site dust suppression.
Variation determined and consolidation issued EPR/DP3490EU Billing ref HP3348QX (installation); EAWML 83515 (waste operations)	15/08/23	Varied and consolidated permit issued in modern format.
Environment Agency Non-hazardous Waste Sector Review Variation Number EPR/ DP3490EU/V008 (variation and consolidation)	11/07/23	Regulation 61 Notice requiring information for Statutory review of the permit against Waste Incineration BAT Conclusions published 12 December 2019 - documents received in response to the Regulation 61 Notice dated 13/04/23.
Regulation 61 notice – additional information request	04/06/24	Documents provided: *"Reg 61 Further Information Greenwich DP3490EU"*
Regulation 61 notice – additional information request	25/11/24	Responses to further questions contained within email titled "*Re: Further questions Greenwich permit review EPR/DP3490EU/V008*"
Variation issued EPR/DP3490EU	05/02/25	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/DP3490EU

Issued to

Day Group Limited ("the operator")

whose registered office is

Day Group House
Transport Avenue
Brentford
Middlesex
TW8 9HF

company registration number **00432417**

to operate regulated facilities at

Murphy's Wharf
Lombard Wall
Greenwich
London
SE7 7SH

to the extent set out in the schedules.

The notice shall take effect from 05/02/2025

Name	Date
Peter Maksymiw	**05/02/2025**

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions and tables have been added/varied/deleted as a result of the Environment Agency Initiated Variation:

Conditions	Amendment
Condition 1.2.1, 1.3.1, 2.1.2, 4.2.2, 4.3.1 and 4.3.3	Wording amended to update references to activities.
Condition 2.3.7	Condition removed, no hazardous waste is authorised for acceptance under the permit.
Conditions 2.4	Conditions added as improvement conditions are included within the permit.
Condition 3.6.1	Wording updated to include reference tables S3.2 and S3.3 for emissions.
Condition 3.6.4	Wording updated to include reference tables S3.2.
Table S1.1 as referenced in condition 2.1.1	Activities table updated in-line with modern standards and current site activities. Activity AR11 added for waste transfer.
Table S1.2 as referenced in condition 2.3.1	Operating techniques updated with documents received in response to the regulation 61 review.
Table S1.3 as referenced in condition 2.4	Reference updated to S1.3 new improvement conditions added.
Table S1.4 as referenced in condition 2.4	Improvement conditions have been added to the permit to ensure compliance with BAT and Appropriate Measures.
Table S2.3 and S2.4 as referenced if condition 2.3.4	List of waste tables updated to reflect site activities.
Table S2.6 as referenced in condition 2.3.4	Table has been added alongside the waste transfer activity AR10.
Table S3.1 as referenced in condition 3.6.1 (a) and 3.6.4	Emissions to sewer updated in-line with BAT.
Table S3.2 as referenced in condition 3.6.1 (a)	Process monitoring added in line with modern template.
Table S3.3 as referenced in condition 3.6.1 (a)	Ambient air monitoring added in line with modern template.

Table S4.1 as referenced in conditions 4.2.3	Table has been amended to implement reporting of emissions to sewer and process monitoring.
Table S4.4 as referenced in conditions 4.2.2 (c) and 4.2.3 (b)	Table has been amended to include relevant forms.
Schedule 5 as referenced in conditions 4.3.2 and 4.3.4	Updated to modern template formatting.
Schedule 6 as referenced in condition 4.4.1	Schedule amended by adding additional interpretations that are relevant to the changes made as a result of this variation and by updating some of the existing interpretations.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/DP3490EU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DP3490EU/V008 authorising,

Day Group Limited ("the operator"),

whose registered office is

Day Group House
Transport Avenue
Brentford
Middlesex
TW8 9HF

company registration number 00432417

to operate an installation and waste operations at

Murphy's Wharf
Lombard Wall
Greenwich
London
SE7 7SH

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

Name	Date
Peter Maksymiw	**05/02/2025**

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 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR5) 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 (AR1 to AR5) 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 For the following activities referenced in schedule 1, table S1.1 (AR6 to AR10) 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 tables S2.2, S2.3, S2.4, S2.5 and S2.6; 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.

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.

3.5 Fire prevention

3.5.1 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.

3.5.2 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.

3.6 Monitoring

3.6.1 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 table S3.1

(b) process monitoring specified in table S3.2

(c) ambient air monitoring specified in table S3.3

3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.6.3 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.

3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 table S3.1 and S3.2 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 (AR1 to AR5) 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 reports 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 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR5), 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 For the following activities referenced in schedule 1, table S1.1 (AR6 to AR10), the Environment Agency shall be notified without delay following the detection of:

(a) 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) the breach of a limit specified in the permit; or

(c) any significant adverse environmental effects.

4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.5 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.

4.3.6 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:

c) any change in the operator's name or address; and

d) any steps taken with a view to the dissolution of the operator.

In any other case:

e) the death of any of the named operators (where the operator consists of more than one named individual);

f) any change in the operator's name(s) or address(es); and

g) 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.

4.3.7 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.

4.3.8 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 For the following activities referenced in schedule 1, table S1.1 (AR1 to A5), 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.

4.4.3 For the following activities referenced in schedule 1, table S1.1 (AR6 to AR10), in this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
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 IBA through to treatment. Treatment of IBA in an enclosed building using a combination of a trommel, vibrating screens, magnetic separators, eddy current separation and manual picking. Treatment shall take place on an impermeable surface with sealed drainage. There shall be no channelled emissions to air. The daily treatment capacity is limited to 600 tonnes per day. Waste types as specified in Table S2.2
Directly Associated Activity			
AR2	N/A	Storage of IBA prior to treatment R13: Storage of waste pending the operations numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt of waste to transfer to treatment process. Storage shall take place in a building and on an impermeable surface with sealed drainage system. Or externally in a (3 sided) bay on an impermeable surface with sealed drainage. The maximum quantity of IBA stored at any one time prior to treatment is limited to 14,500 tonnes, 10,000 tonnes within the building and a maximum capacity of 4,500 tonnes stored externally. No waste shall be stored for more than 12 months. There shall be no channelled emissions to air. Waste types as specified in Table S2.2

Table S1.1 activities			
AR3	N/A	Storage of wastes recovered from the IBA treatment processes R13: Storage of waste pending the operations numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	From recovery of waste to despatch off-site for use. Storage of processed IBAA, ferrous and non-ferrous metals after treatment. The maximum quantity of IBAA, ferrous/non-ferrous metals stored at any one time after treatment is limited to 20,000 tonnes. There shall be no channelled emissions to air. Storage shall take place on an impermeable surface with a sealed drainage system.
AR4	N/A	Blending of IBAA fractions with aggregate R5: Recycling/reclamation of other inorganic materials	Treatment consisting of blending of IBAA fractions with aggregates. There shall be no channelled emissions to air. Treatment shall take place on an impermeable surface with sealed drainage.
AR5	N/A	Process water collection and storage Collection and storage of process water comprising site surface water run-off from operational areas.	From the collection of process water to re-use within the facility or despatch off site-via foul / combined sewer.
Activity reference	**Description of activities for waste operations**	**Limits of activities**	
AR6 Glass recycling	D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced). D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12. 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).	This activity refers to the glass recycling plant. Treatment consisting only of sorting, separation, screening, baling, shredding, crushing, blending and compaction of waste into different components for disposal (no more than 50 tonnes per day) or recovery. Inert waste shall be stored and treated on hard standing, all other wastes shall be stored and treated on an impermeable surface with a sealed drainage system. Waste types as specified in Table S2.3.	

Table S1.1 activities		
	R5: Recycling/reclamation of other inorganic compounds.	
AR7 Construction and demolition recycling and reclamation	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). R4: Recycling/reclamation of metals and metal compounds. R5: Recycling/reclamation of other inorganic compounds.	This activity refers to the construction and demolition plant. Treatment consisting only of sorting, separation, screening, crushing, blending and compaction of waste into different components for recovery. There shall be no treatment in shredders of metal waste. Inert waste shall be stored and treated on hard standing, all other wastes shall be stored and treated on an impermeable surface with a sealed drainage system. Maximum of 20,000 tonnes to be stored in area 2 and 3,000 tonnes in area 8 as identified on GR001-23 Rev 3 at any one-time in. Waste types as specified in Table S2.4.
AR8 Hydraulically bound materials	D14: Repackaging prior to submission to any of the operations numbered D1 to D13. D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12. 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). R3: Recycling/reclamation of organic substances which are not used as solvents.	This activity refers to the hydraulically bound material plant. Treatment consisting only of sorting, separation, screening, crushing, blending and compaction of waste into different components for disposal (no more than 50 tonnes per day) or recovery. Inert waste shall be stored and treated on hard standing, all other wastes shall be stored and treated on an impermeable surface with a sealed drainage system. There shall be no treatment in shredders of metal waste. Waste types as specified in Table S2.4.
AR9 Temporary storage of glass waste	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).	This activity refers to the temporary storage of glass prior to despatch offsite. There shall be no treatment of the glass waste. Waste types as specified in table S2.5. Maximum of 4,500 tonnes to be stored at any one time. Storage shall take place on an impermeable surface with a sealed drainage system.
AR10	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending	Storage of waste prior to removal from site

Table S1.1 activities		
Temporary storage and transfer	collection, on the site where it is produced).	All operations shall take place within a building. Waste types as specified in table S2.6

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	Summary of Management System – DAY. MUR. C2. 3d.04	07/02/2012
Application	Operating Techniques – DAY.MUR.C4.3a.09	07/02/2012
Variation EPR/DP3490EU/V006	Environmental Management System (Rev No 6) Dated 24/02/21. Sections 2.3.1, 2.3.2, 2.4.1, Appendix 1: GR001-59 Rev 0 Greenwich Infrastructure Plan, Appendix 6: and Appendix 6. (IBA Acceptance, Quarantine and Production Recording Procedure)	26/02/2021
Variation EPR/DP3490EU/V007	Dust and Emissions Monitoring Plan dated May 2023 GR001-59 Rev 1 Infrastructure Plan, GR001-23 Rev 4 Greenwich Waste Storage Plan, 2587-02 Rev B Site Setting, Environmental Contact Details (Greenwich), Daily Environmental Log (format), Site log (format)	05/06/2023
	GR001-145 Rev0 Site dust suppression	15/06/2023
	Email dated 07/03/2023 not to screen 17 03 02 or 17 05 08 on jetty with mobile plant	07/03/2023
Response to regulation 61 notice EPR/DP3490EU/V008	Documents titled: "*BATC Return Spreadsheet Greenwich 11.07.2023*" Points 4.a, 4.c., 6.a. and 13 of "*Greenwich Reg 61 Response Appropriate Measures*" "*Method Statement Processing of IBA (Greenwich)*" "*IBA Acceptance Quarantine and Production Recording*" Drawings: "*GR001-33 Rev 3 Site Drainage Plan*" *"GR001-23 Rev 3 Greenwich Waste Storage Plan*"	11/07/2023
Response to regulation 61 notice EPR/DP3490EU/V008 - Additional information received in response to the Request for Further Information (RFI) dated 04/06/24	Response to questions 1, 2, 3, 4, 5, 8, 9 of "*Reg 61 Further Information Greenwich DP3490EU*"	19/06/2024
Response to regulation 61 notice EPR/DP3490EU/V008 - Additional information received in response to the	Email dated 09/12/24: Response to question 4, response to point (a)	09/12/2024

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Request for Further Information (RFI) dated 04/06/24		

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall submit revised written procedures for approval to meet all the relevant BAT requirements for the operations on site detailed in S5.06. Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste. The procedures must contain dates for implementation of individual measures.	Complete
IC2	The operator shall submit revised drainage plans for approval before drainage replacement works on site commence.	Complete
IC3	The operator shall submit a written proposal to the Environment Agency for our approval. The proposal will detail how optical dust monitoring will be carried out at the site for a 6-month duration.	Complete
IC4	The operator shall carry out 6 months of the approved optical monitoring proposed and submit the results with an impact assessment to the Environment Agency for review. If the assessment shows exceedances of the air quality objectives for PM_{10} the operator shall propose and submit additional measures to reduce dust to the Environment Agency for approval. The operator shall implement the additional measures as approved.	01/12/2024
IC5	Within one month of the permit variation issue, the operator shall submit proposals for ambient dust monitoring to the Environment Agency for approval. Within 30 days of approval the operator shall undertake a 6 months representative ambient PM^{10} particulate emissions monitoring programme at upwind and downwind locations at the site to assess the risk of PM^{10} particulate pollution associated with the permitted site operations. The monitoring programme shall be designed and undertaken in accordance with the standards specified in the guidance - Monitoring emissions to air, land and water (MCERTS) - GOV.UK (Technical guidance notes for monitoring ambient air.)	05/10/2025
IC6	Within one month of the completion of the monitoring programme, the operator shall submit a report to the Environment Agency for approval to demonstrate that the ambient dust emissions at the site is below the level of 50 µg/m^3 over a 24hr average (midnight to midnight). If the report does not demonstrate that ambient levels are below the level then the report shall include recommendations for	05/11/2025

	improvement of the existing site infrastructure and dust control measures, together with timescales for implementation of the identified improvements. These improvements may include but not be limited to, enclosing activities within a covered structure enclosed on all vertical sides with small access and egress points covered with fast acting doors and suitable dust extraction and filtration systems.	
IC7	Following the completion of IC5, the operator shall submit a revised Dust Management Plan (DMP) to the Environment Agency for approval within one month. The revised DMP shall include an assessment of the risk of dust pollution associated with the permitted site operations including information on monitoring method and locations as required in Table S3.3. The revised DMP shall take into account the appropriate measures for dust control specified in the Non-hazardous and inert waste: appropriate measures for permitted facilities guidance and Control and monitor emissions for your environmental permit and shall include details of the improvements to the dust control measures agreed with the Environment Agency. The operator shall implement within 15 days, the measures included within the approved DMP and any subsequent revisions agreed in writing by the Environment Agency.	05/02/2026

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
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Table S2.2 Permitted waste types and quantities for incinerator bottom ash treatment facility AR1 & AR2	
Maximum quantity	**The total quantity of waste accepted at the site under the IBA treatment and storage activities shall not exceed 140,000 tonnes per year.**
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 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 12 12	treated bottom ash including IBA and slag other than that containing dangerous substances only

Table S2.3 Permitted waste types and quantities for glass plant AR6	
Maximum quantity	**Annual throughput shall not exceed 100,000 tonnes per year.**
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 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 – Glass wastes only
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 02	glass

Table S2.4 Permitted waste types and quantities for Construction and Demolition and Hydraulically Bound Materials AR7 & AR8	
Maximum quantity	**Annual throughput shall not exceed 450,000 tonnes per year.**
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals**
01	**wastes from mineral extraction**
01 01 02	wastes from mineral non-metalliferous excavation

Table S2.4 Permitted waste types and quantities for Construction and Demolition and Hydraulically Bound Materials AR7 & AR8	
Maximum quantity	**Annual throughput shall not exceed 450,000 tonnes per year.**
Waste code	**Description**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
10	**Wastes from thermal processes**
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 14	waste concrete and concrete sludge
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 07	glass packaging
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	**wood, glass and plastic**
17 02 02	glass
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 19	sands from fluidised beds

Table S2.4 Permitted waste types and quantities for Construction and Demolition and Hydraulically Bound Materials AR7 & AR8	
Maximum quantity	**Annual throughput shall not exceed 450,000 tonnes per year.**
Waste code	**Description**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	Glass
19 12 09	mineral (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 – Concretes and oversized Incinerator bottom ash only
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01

Table S2.5 Permitted waste types and quantities for temporary glass storage	
Maximum quantity	**Annual throughput shall not exceed 210,000 tonnes AR9 per year.**
Waste code	**Description**
15	**Waste packaging: Absorbents, wiping, cloths, filter materials and protective covering not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 07	glass packaging
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 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 02	glass

Table S2.6 Permitted waste types and quantities for waste transfer AR10	
Maximum quantity	**Annual throughput shall not exceed 1000 tonnes per year.**
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 02	**ferrous materials removed from bottom ash**

Schedule 3 – Emissions and monitoring

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

Emission point ref. & location	Source	Parameter	Limit	Reference period	Monitoring frequency	Monitoring standard or method
Point 1 in site plan GR001-33 Rev 3 (07/07/16)	Contaminated surface water from storage areas 1a	Total organic carbon (TOC)	No Limit set	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	No Limit set			EN 872
		Lead	0.06 mg/l (1)			EN ISO 11885, EN ISO 17294 -2 or EN ISO 15586
		Ammonium – nitrogen (NH_4-N)	No Limit set			EN ISO 11732 or EN ISO 14911
		Chloride (Cl^-)	No Limit set			EN ISO 10304-1 or EN ISO 15682
		Sulphate (SO_4^{2-})	No Limit set			EN ISO 10304-1
		Dioxins/Furans (I-TEQ)	No Limit set		Bi-annually	BS ISO 18073
Point 3 in site plan GR001-33 Rev 3 (07/07/16)	Contaminated surface water from the external storage area for IBA, drainage area 2.	Total organic carbon (TOC)	No Limit set	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	No Limit set			EN 872
		Lead	0.06 mg/l (1)			EN ISO 11885, EN ISO 17294 -2 or EN ISO 15586
		Ammonium – nitrogen (NH_4-N)	No Limit set			EN ISO 11732 or EN ISO 14911
		Chloride (Cl^-)	No Limit set			EN ISO 10304-1 or EN ISO 15682
		Sulphate (SO_4^{2-})	No Limit set			EN ISO 10304-1
		Dioxins/Furans (I-TEQ)	No Limit set		Bi-annually	BS ISO 18073
Point 2 (interceptor) in site plan GR001-33 Rev 3 (07/07/16)	Uncontaminated surface water runoff from fuel storage area	Oil and grease	No visible oil or grease	-	Monthly	Visual check

1. The BAT-AELs may not apply if the downstream waste water treatment plant is designed and equipped appropriately to abate the pollutants concerned, provided this does not lead to a higher level of pollution in the environment.

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**
At the IBA and IBAA waste stockpiles shown on the site layout plan GR001-23 Rev 3	Moisture content	As agreed under the dust emissions management plan	As agreed under the dust emissions management plan	-
Point 1 in site plan GR001-33 Rev 3 (07/07/16) - Contaminated surface water	pH	Flow proportional composite sample over discharge duration, or spot sample if the discharge is mixed	BS ISO 10523	-
	Conductivity		EN 27888	-
Point 3 in site plan GR001-33 Rev 3 (07/07/16) - Contaminated surface water	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**
In accordance with approved dust emissions management plan approved under IC7	Deposited dust	Monthly	Monitoring emissions to air, land and water (MCERTS) - GOV.UK (Technical guidance notes for monitoring ambient air.)	Monitoring methods, trigger levels and actions as specified in approved dust emissions management plan approved under IC7
	Visual dust checks	Daily		

Schedule 4 – Reporting

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Point source emissions to sewer Parameters as required by condition 3.6	Point 1 in site plan GR001-33 Rev 3 (07/07/16)	Every 12 months	1 January
	Point 3 in site plan GR001-33 Rev 3	Every 12 months	1 January
Process monitoring (moisture Content) parameters as required by condition 3.6	At the IBA storage building and IBAA waste stockpiles	Every 6 months	1 January, 1 July
Process monitoring (ambient air monitoring) parameters as required by condition 3.6	In accordance with approved dust emissions management plan approved under IC7	Every 6 months	1 January, 1 July
Process monitoring (pH and conductivity) parameters as required by condition 3.6	Point 1 in site plan GR001-33 Rev 3 (07/07/16)	Every 12 months	1 January
	Point 3 in site plan GR001-33 Rev 3	Every 12 months	1 January

Table S4.2: Annual production/treatment	
Parameter	**Units**
IBA treated	tonnes
IBAA produced	tonnes

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3 per tonne of processed ash
Energy usage	Annually	MWh per tonne of processed ash
Total raw materials used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Point source emissions to sewer	Emissions to Sewer Reporting 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

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
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 the Waste Framework Directive.

“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 lll of the Waste Framework Directive.

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

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

“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.

“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, 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.

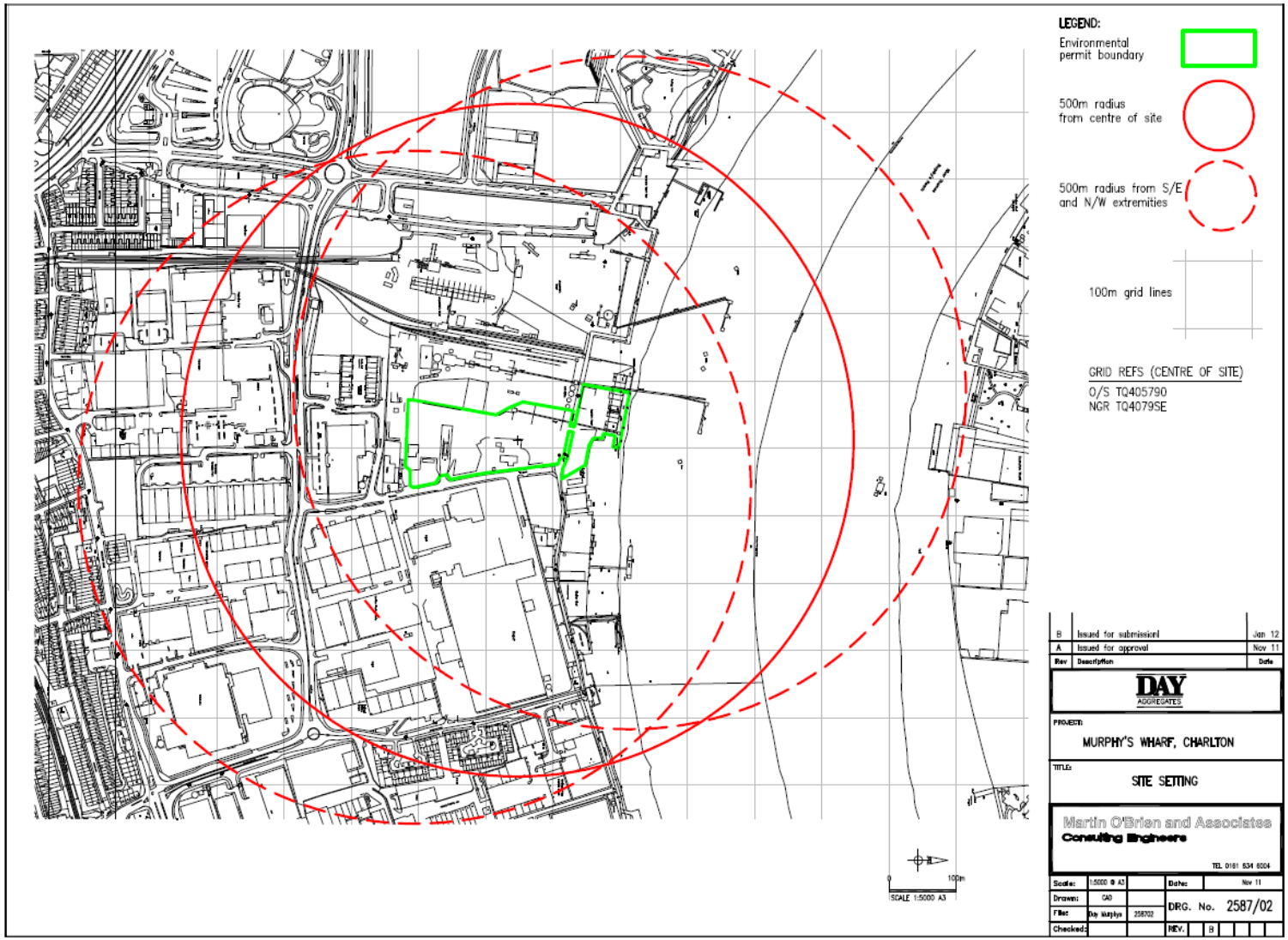
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

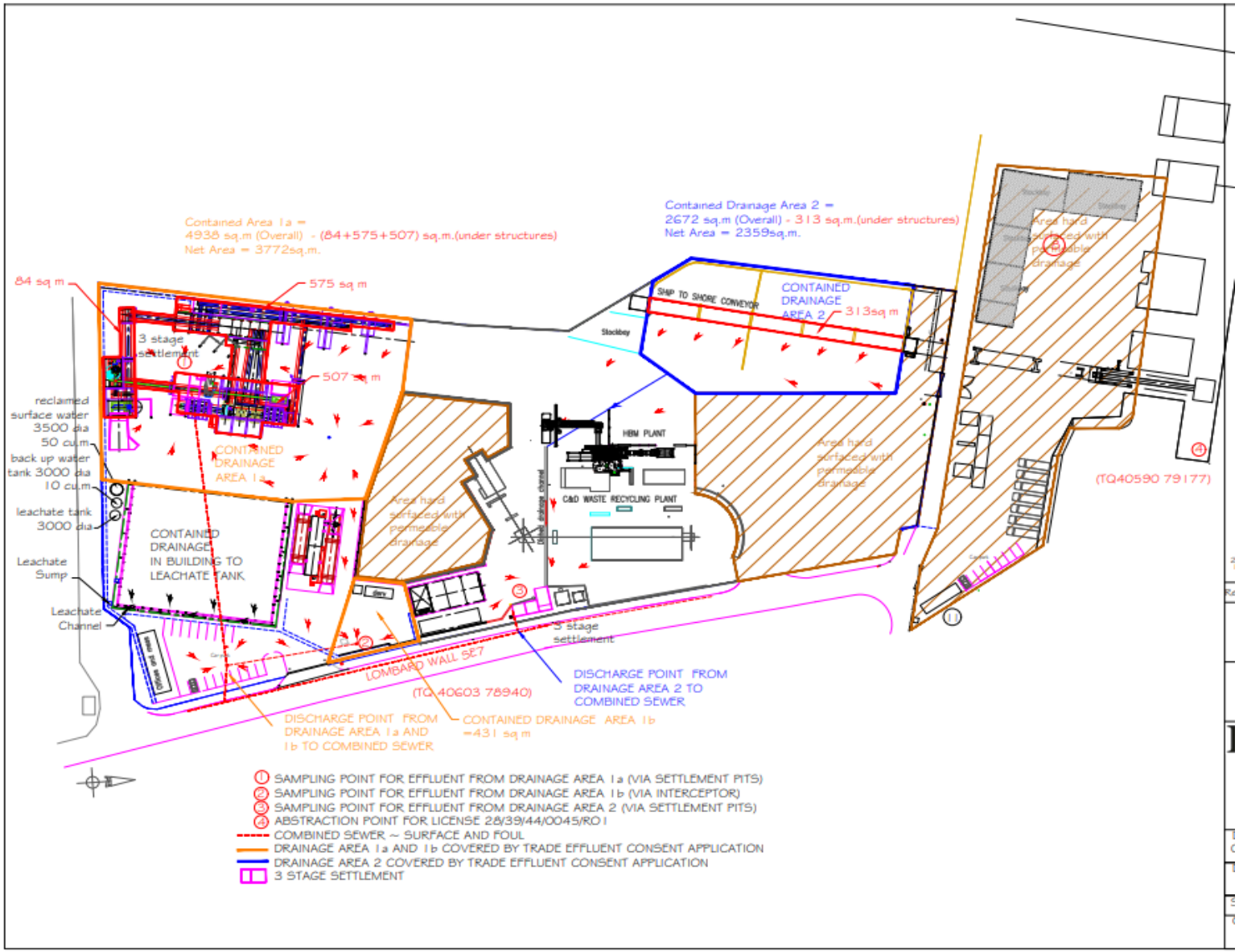
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

- 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