Surrender notice with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Lincwaste Limited

Whisby Landfill
Thorpe Road
Whisby
Lincolnshire
LN6 9BT

Surrender application number

EPR/BW2978ID/S012

Permit number

EPR/BW2978ID

Whisby Landfill
Permit number EPR/BW2978ID

Introductory note

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

The following notice gives notice of the surrender in part and variation of an environmental permit.

The area subject to this partial surrender has not been used for landfilling or any other Schedule 1 activities as defined under the Environmental Permitting Regulations. The land comprises the footprint of a lagoon that is owned and operated by a different operator. This lagoon is associated with adjacent sand and gravel extraction and processing operations and does not form part of the permitted waste management activities. The surrender reflects the removal of this non-operational area from the scope of the environmental permit.

Any changes made as a result of the part surrender are set out in the schedules.

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 received (EPR/BW2978ID/A001)	Duly made 23/05/04	Application for landfill.
Additional information received	03/02/05	Addressing issues raised in the hydrogeological risk assessment, landfill gas risk assessment, the stability risk assessment and confirmation of site boundary.
Permit determined BW2978ID	09/05/05	Permit issued to Lincwaste Limited.
Environment Agency variation EPR/BW2978ID/V002 (PAS Billing ref. JP3930MQ)	01/04/08	Varied and consolidated permit issued in modern landfill template format.
Application received EPR/BW2978ID/V003 (PAS Billing ref. KP3834FQ)	Received 02/12/11	Withdrawn.
Application received EPR/BW2978ID/V004 (PAS Billing ref. AP3234VW)	Received 24/03/12	Withdrawn.

Status log of the permit		
Description	**Date**	**Comments**
Application received EPR/BW2978ID/V005 (PAS Billing ref. ZP3439WT)	Received 26/08/14	Withdrawn.
Application EPR/BW2978ID/V006 (variation and consolidation)	Duly made 31/08/15	Application to vary to regularise the Short Rotation Coppice activity and update the permit to modern conditions.
Additional Information received	14/08/15	Additional information to duly make the application – plans and further assessments.
Additional Information received	08/10/15	Response to request for further information regarding leachate lagoons and quality.
Additional Information received	22/01/16	Response to Schedule 5 dated 18/11/15 regarding process monitoring, irrigation procedures, monitoring of surface water.
Additional Information received	02/06/16	Protocol for monitoring of soils within the SRC area.
Additional Information received	07/06/16	Appendix 10 of Application EPR/BW2978ID/V006 corrected and resubmitted.
Environment Agency Landfill Sector Review 2013 / 2014 Permit reviewed Variation determined EPR/BW2978ID/V006 (PAS Billing ref: PP3736AB)	10/06/16	Varied and consolidated permit issued in modern condition format.
Application EPR/BW2978ID/V007	Duly made 22/11/2016	Application to vary the permit to remove the CO2 compliance limits and replace them with action levels and reduce leachate monitoring frequency in non-operational cells.
Additional information received	19/01/2017	Whisby Gas Management Plan January 2017
Additional information received	23/01/2017	Whisby Leachate Management Plan January 2017
Variation determined EPR/BW2978ID/V007 Permit EPR/BW2978ID	20/02/2017	Varied and consolidated permit issued in modern condition format.

Status log of the permit		
Description	**Date**	**Comments**
(PAS Billing ref: TP3632DJ)		
Application received EPR/BW2978ID/V008	Duly made 19/02/2018	Application to remove groundwater and amend pH compliance limits, and update the permit to modern conditions.
Additional information received	17/05/2018	Submission of additional information in response to Schedule 5 notice.
Permit determined EPR/BW2978ID (PAS Billing ref.GP3932JY)	05/06/2018	Permit issued to Lincwaste Limited.
Application for normal variation EPR/BW2978ID/V009	Received 18/08/2023	
Notified of change of registered office address	Duly Made 18/12/2023	Registered office address changed to 3 Sidings Court, White Rose Way, Doncaster, DN4 5NU.
Variation issued EPR/BW2978ID/V010	Issued 26/01/2024	Varied permit issued to Lincwaste Limited.
Application EPR/BW2978ID/V009 (variation and consolidation)	Duly made 15/07/2024	Application to add a treatment activity for IBA processing and disposal of IBA waste within the existing landfill.
Variation determined and consolidation issued EPR/BW2978ID	31/07/2025	Varied and consolidated permit issued in modern format.
Part surrender application EPR/BW2978ID/S012	Duly made 24/07/2025	Application to partially surrender land never used for landfilling or Schedule 1 activities.
Part surrender determined EPR/BW2978ID	13/11/2025	Part surrender complete. Consolidated permit issued in a modern format.

End of introductory note

Notice of surrender

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 and 25 of the Environmental Permitting (England and Wales) Regulations 2016 accepts the surrender in part and varies

Permit number

EPR/BW2978ID

Issued to

Lincwaste Limited ("the operator")

whose registered office is

3 Sidings Court
White Rose Way
Doncaster
DN4 5NU

company registration number 02668959

to operate a regulated facility at

Whisby Landfill

Thorpe Road
Whisby
Lincolnshire
LN6 9BT

to the extent set out in the schedules.

This notice shall take effect from 13/11/2025.

Name	Date
Louise Hann	13/11/2025

Authorised on behalf of the Environment Agency

Schedule 1 – changes to the permit

Note: The conditions numbers used in this schedule refer to those in the consolidated permit.

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

Schedule 7 as referenced in condition 2.2.1

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BW2978ID

This is the consolidated permit referred to in the surrender notice for application EPR/BW2978ID/S012 authorising,

Operator name ("the operator"),

whose registered office is

3 Sidings Court
White Rose Way
Doncaster
DN4 5NU

company registration number 02668959

to operate an installation at

Whisby Landfill

Thorpe Road
Whisby
Lincolnshire
LN6 9BT

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

Name	Date
Louise Hann	13/11/2025

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, 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 Finance

1.2.1 The financial provision for meeting the obligations under this permit shall be as set out in the Deed of Performance dated 17 October 2007 between the Waste Recycling Group Limited (now known as FCC Environment (UK) Limited) and the Environment Agency as varied by a Deed of Variation dated 15 October 2010 (as varied by further Deeds of Variation from time to time). The operator shall accordingly ensure that the Permit is and remains throughout its subsistence a permit to which the Deed relates and the operator shall produce evidence of such provision whenever required by the Environment Agency.

1.2.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:

(a) the costs of setting up and operating the landfill;

(b) the costs of the financial provision required by condition 1.2.1; and

(c) the estimated costs for the closure and aftercare of the landfill.

1.3 Energy efficiency

1.3.1 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) Implement any appropriate measures identified by a review.

1.4 Efficient use of raw materials

1.4.1 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.

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

1.5.1 The operator shall:

(a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;

(b) review and record at least every four years whether changes to those measures should be made; and

(c) 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").

2.2 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

2.4 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 Landfill engineering

2.5.1 No construction of any new cell of the landfill shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.5.2 Where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.

2.5.3 The construction of a new cell shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.4 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.5.5 No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.5.6 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.7 The operator shall submit a CQA Validation Report within four weeks of the completion of the construction of the relevant landfill infrastructure, or other time period agreed in writing with the Environment Agency.

2.5.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.5.5 and 2.5.6 do not apply and the relevant landfill infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

2.5.9 For the purposes of conditions 2.5.1, 2.5.2, 2.5.4 and 2.5.5, the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.5.10 Where the Environment Agency has required further information under condition 2.5.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.6 Waste acceptance

2.6.1 Wastes shall only be accepted for disposal if:

(a) they are listed in schedule 2, table S2.4, and

(b) they are non- hazardous waste, and

(c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm); and

(d) they are not shredded used tyres, and

(e) they are not liquid waste (including waste waters but excluding sludge), and

(f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown; and

(g) all the relevant waste acceptance procedures have been completed; and

(h) they fulfil the relevant waste acceptance criteria; and

(i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria; and

(j) they are wastes which have been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment, and

(k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.

2.6.2 For the following activities referenced in schedule 1, table S1.1 (A3.) Waste shall only be accepted for treatment if:

(a) it is of a type and quantity listed in schedule 2, table S2.3; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.6.3 Wastes shall only be accepted for restoration where:

(a) they are listed in schedule 2, table S2.2; and

(b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.

2.6.4 For the following activities referenced in schedule 1, table S1.1, A1, the operator shall:

(a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and

(b) be satisfied that the waste conforms to the requirements of condition 2.7.1.

2.6.5 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.6.6 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.6.7 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing ESID4.

2.6.8 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1, table S1.5.

2.6.9 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or recovery and of the identity of the producer, or in the case of municipal waste and multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

2.7 Leachate levels

2.7.1 The limits for the level of leachate listed in schedule 3, table S3.1 shall not be exceeded.

2.8 Closure and aftercare

2.8.1 The operator shall maintain a closure and aftercare management plan.

2.9 Landfill gas management

2.9.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

(a) collect landfill gas; and

(b) control the migration of landfill gas.

2.9.2 The operator shall use the collected landfill gas to produce energy. If the collected landfill gas cannot be used to produce energy, the operator shall use appropriate measures to flare or treat the gas in accordance with an approved landfill gas management plan.

2.9.3 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a revised landfill gas management plan;

(b) implement the revised landfill gas management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits in schedule 3 shall not be exceeded.

3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3, tables S3.2, S3.3 and S3.6.

3.1.3 The limits given in schedule 3, table S3.2 shall not be exceeded, save that compliance with an emission limit in that table shall include incorporation of the uncertainty allowance stated in Environment Agency guidance LFTGN 05 and LFTGN 08.

3.1.4 For the following activities referenced in schedule 1, table S1.1, A2 and A6, where a substance is specified in schedule 3 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.

3.1.5 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.6 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:

(a) between nine and six months prior to the fourth anniversary of the granting of the permit; and

(b) between nine and six months prior to every subsequent six years after the fourth anniversary of the granting of the permit.

3.1.7 There shall be no discharge to the SRC area where the limits in schedule 3, table 3.11 are being exceeded at the time of treated leachate application.

3.1.8 There shall be no discharge from the SRC treatment lagoons unless the compliance limit specified in schedule 3, table S3.12 are met in respect to those discharges.

3.1.9 For the following activities referenced in schedule 1, table S1.1 (A3, A8 and A9), 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 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 and any other actions specified in the following tables in schedule 3 to this permit:

(a) Leachate specified in tables S3.1 and S3.9;

(b) Point source emissions specified in tables S3.2 and S3.3;

(c) Groundwater specified in tables S3.4 and S3.7

(d) Landfill gas specified in tables S3.5, S3.6 and S3.8;

(e) Surface water specified in table S3.10; and

(f) Process monitoring specified in tables S3.11, S3.12 and S3.13.

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 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

(a) annually; and

(b) prior to the disposal of waste in any new cell or new development area of the landfill; and

(c) following closure of the landfill or part of the landfill.

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) the results of groundwater monitoring;

(ii) sub-surface landfill gas monitoring;

(iii) leachate levels, quality and quantities;

(iv) landfill gas generation and collection;

(v) waste types and quantities;

(vi) the specification and as built drawings of the basal, sidewall and capping engineering systems.

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 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 ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February 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 this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;

(b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3;

(c) the annual production/treatment set out in schedule 4, table S4.2;

(d) the topographical surveys required by condition 3.5.3 other than those submitted as part of a CQA validation report;

(e) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;

(f) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;

(g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;

(h) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of existing and any new leachate and landfill gas extraction and monitoring points.

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) using the forms specified in schedule 4, table S4.4 or other reporting format as agreed in writing with the Environment Agency; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 Within one 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.

4.2.5 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.

4.3 Notifications

4.3.1 In the event:

(a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency;

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident; and

(iii) take the measures necessary to prevent further possible incidents or accidents.

(b) of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency; and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time.

(c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

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

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

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

In any other case:

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

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

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

4.4 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	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A1	D5 –Specially engineered landfill; R10 – Land treatment resulting in benefit to agriculture or ecology	Section 5.2 Part A(1) (a), The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.7, as an integral part of landfilling. Waste types limited to table 2.4, cell numbers 1,2,3 and 4.
A2	D8 – Biological treatment of waste	Section 5.4, Part A(1)(a)(i), Biological treatment of non-hazardous waste	Storage, Treatment and Short Rotation Coppicing of leachate in a facility with a capacity of >50 tonnes/day	Leachate arising from the non-hazardous landfill. Only leachate that has been fully treated and arises from the secondary lagoon can be applied to the short rotation coppice or clean surface water when necessary.

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A3	R4 - Recycling/reclamation of metals and metal compounds R5- Recycling/reclamation of other inorganic materials	Schedule 5.4 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.	From receipt of permitted waste Incinerator Bottom Ash (IBA) through to treatment. Treatment of IBA in an enclosure using a combination of a trommel, vibrating screens, electrostatic and magnetic separators. Treatment shall take place on a hardstanding pad in an engineered landfill cell. There shall be no channelled emissions or discharges to air, water or sewer from this activity Waste types as specified in Table S2.3.
Directly Associated Activities				
A4	N/A	-	Leachate Management: pumping storage and recirculation of leachate pre-discharge by tankering for off-site disposal	Leachate arising from the non-hazardous landfill.
A5	N/A	-	Landfill Gas Flaring: Flaring of Landfill Gas for disposal in an appliance	Landfill Gas arising from the Landfill.
A6	D6 – release to water body except seas/ oceans	-	Water Discharges to controlled waters: Discharges of site drainage from the landfill	From surface water management system to point of entry to controlled waters.
A7	N/A	-	Storage of fuel for operation of plant and equipment.	Fuel storage tank.

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A8	R13: Storage of waste pending the operations numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	-	Storage of IBA prior to treatment	From receipt of waste to transfer to treatment process. Storage shall take place and on an impermeable surface with sealed drainage system. The combined maximum quantity of IBA, IBA Aggregate (IBAA), ferrous and non-ferrous metal stored on site at any one time is limited to 20,000 tonnes within the treatment area. There shall be no channelled emissions or discharges to air, water or sewer from this activity. Waste types as specified in Table S2.3
A9	R13: Storage of waste pending the operations numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	-	Storage of wastes recovered from the IBA treatment processes	From recovery of waste to despatch off-site for use. Storage of processed IBAA, ferrous and non-ferrous metals after treatment. The combined maximum quantity of IBA, IBAA, ferrous and non-ferrous metal stored on site at any one time is limited to 20,000 tonnes within the treatment area. No more than 500 tonnes of ferrous and non-ferrous metal shall be stored at any one time. There shall be no channelled emissions or discharges to air, water or sewer from this activity. Storage shall take place on an impermeable surface with a sealed drainage system.

Table S1.2 Operating techniques		
Description	**Parts**	**Date received**
Application EPR/BW2978ID/A001	The response to questions, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form and the request for information dated 14/01/2005 excluding sections:	06/05/04

Table S1.2 Operating techniques		
Description	**Parts**	**Date received**
	2.1.4 – 2.1.6 (waste types); 2.2.1-2.2.8 (design specification for basal and side slope lining system); 2.2.9 – 2.2.10 (leachate drainage layer); 2.2.31 (Leachate control and trigger levels); 2.2.31 – 2.2.32 (leachate monitoring); 2.2.37 – 2.2.38 (surface water monitoring); 2.2.41 – 2.2.42 (groundwater monitoring); 2.2.49 (trace gas components); 2.2.53 (landfill gas surface emissions monitoring); Table HRA19	
SPMP	Site Protection and Management Plan	Jan 2006
Letter	EA Improvement Condition Letter 26 May 2006	26/05/06
Letter	Whisby Landfill Site (Permit Ref. BW2978ID) Improvement Programme (1.4.1.2 & 1.4.1.3)	18/07/06
Response to IC5 of EPR/BW2978ID/V002	Landfill Gas Management Plan (LFGMP)	August 2008
Application (EPR/BW2978ID/V006)	Response to question 3 and Appendix 5 of Part C3 of the application Activities & Operation Techniques Report (Document Reference 2280.02.FCC.AGS.LS.A0) Technical assessment to support an application to vary the environmental permit (Report Ref: WBYSCRC0314, August 2014, version 1.3)	05/05/15
Plan	Plan showing site layout including SRC (coppice) area. Plan ref 722A131, Plan 2 dated 16/01/16.	07/08/15
Additional Information	Letter (Document reference 2280.10.FCC.SV.AS.A0) – points 1 and 2	14/08/15
Additional Information	Monitoring Schedule	08/10/15
Response to Schedule 5 notice	Response to Questions 1 and 3-5 regarding depth of soils for SRC monitoring of leachate soils/soil pore water, and process controls.	22/01/16
Variation application EPR/BW2978ID/V007	Parts C2 and C3 of the application and referenced supporting documentation.	15/08/2016

Table S1.2 Operating techniques		
Description	**Parts**	**Date received**
Variation application EPR/BW2978ID/V007	Whisby Gas Management Plan January 2017	19/01/2017
Variation application EPR/BW2978ID/V007	Whisby Leachate Management Plan January 2017	23/01/2017
EPR/BW2978ID/V009 Response to Schedule 5 notice:	Operating Techniques & BAT Review Report (5671-CAU-XX-XX-RP-V-0301.A0.C2) • Excluding section *2.15 Dust.*	08/01/2025
EPR/BW2978ID/V009 Response to Schedule 5 notice: Dust Management Plan	Operating techniques as set out in the Dust Management Plan entitled: Whisby IBA Processing Facility Dust & Emissions Management Plan (5671-CAU-XX-XX-RP-V-0305.A0.C4) May 2025, and any subsequent revisions agreed in writing by the Environment Agency.	15/05/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC 1	The operator shall submit to the Environment Agency for approval, a revised leachate management plan incorporating details of alternative leachate disposal off site.	Complete
IC 2	The operator shall submit a CQA plan for 2 remote leachate monitoring points per cell as in the Environment Agency's Guidance LFTGN02, Monitoring of Landfill Leachate, Groundwater and Surface water.	Complete
IC 3	The operator shall install the 2 remote leachate monitoring points in each cell as agreed in the CQA plan submitted for IC2.	Complete
IC 4	The operator shall install the 4 leachate extraction points in Cell 1 to 4 of Phases 3 to 5 as per the submitted CQA plan	Complete
IC 5	The operator shall review the landfill gas management plan (LFGMP) to replace or augment the information provided within the PPC Application. The LFGMP shall be in accordance with Environment Agency guidance LFTGN 03 'Guidance on the management of landfill gas', LFTGN 04 'Guidance for monitoring trace components in landfill gas', LFTGN 05 'Guidance for monitoring enclosed gas flares' and LFTGN 07 'Guidance on monitoring landfill gas surface emissions'. The LFGMP shall be submitted to the Environment Agency for approval prior to its inclusion in the Site Management System.	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC 6	The operator shall revise the site Environmental Management System (EMS) to include the leachate treatment that includes short rotation coppice and make available for inspection all documents and procedures which form part of the site EMS. The revised EMS shall cover all activities at the installation including leachate treatment and the short rotation coppice and shall be in accordance with the Environment Agency Guidance Sector Guidance Note IPPC S5.03 – Guidance for the treatment of landfill leachate and the Regulatory Position Statement regarding the Application of treated landfill leachate to short rotation coppice (SRC). The revised EMS shall include the techniques the operator relies upon to manage the operations, accidents (including flooding) and the closure and decommissioning of the site. The documents and procedures set out in the EMS shall form the written management system referenced in condition 1.1.1 (a) of the permit.	Complete
IC 7	The operator shall submit an action plan (with timescales) to the Environment Agency for written approval, to be followed in the event of an area of tree die back being observed which results in the engineered landfill cap requiring repair. Once approved the operator shall adopt the action plan and implement it from a date approved by the Environment Agency.	Complete
IC 8	The operator shall submit a report and action plan (with timescales) if required, to the Environment Agency for written approval, to increase the depth of soils to a minimum of 1.5 m, when there are areas of the SRC that are required to be replanted. Once approved the operator shall adopt the action plan and implement it from a date approved by the Environment Agency.	Complete
IC 9	The operator shall submit an action plan (with timescales) to the Environment Agency for written approval, to remediate any breach or damage of the containment ditch, noted during the weekly inspections. Once approved the operator shall adopt the action plan and implement it from a date approved by the Environment Agency.	Complete
IC 10	The operator shall submit a restoration plan including the annual tonnage to the Environment Agency for written approval, to restore any further cells. The restoration plan should be in accordance with How to comply – additional guidance for landfill (EPR 5.02). Once approved the operator shall adopt the action plan and implement it from a date approved by the Environment Agency.	31/03/17
IC 11	The operator shall, as specified in schedule 3, table S3.11, undertake the following: a) The chemical characteristics of the soils used within the Short Rotation Coppice (SRC) plots shall be analysed by the operator for the list of parameters given in table 1 of Figure BTH0145-RP08TA-F4 of	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	the application using the method detailed in CE-BTH0145-RP08TA – Leachate Treatment Facility and SRC – Technical Assessment August 2014 Version 1.0 of the application. b) If the results of the monitoring required by a) are above the limits specified in Table 9 of Figure BTH0145-RP08TA-F4 the operator shall submit details of an appropriate treatment activity to reduce the limits obtained in a) to below the limits set out in the table, or shall provide written details of further steps that are to be undertaken to reduce the limits to below the levels specified in Table 9; c) The operator shall use the results obtained in a) and b) to develop a revised soil monitoring suite and monitoring frequency for inclusion in schedule 3, table S3.11 of this permit. The requirements of c) above shall be implemented in accordance with Environment Agency written approval.	
IC12	The operator shall compare the results obtained in accordance with condition 3.5.1 (f) with the limits submitted in support of the application for leachate treatment including SRC and submit a report to the Environment Agency detailing, where appropriate, a revised monitoring suite and frequency for the individual process steps of the SRC treatment process. The results of the report shall only be implemented in Table S3.12 in accordance with Environment Agency written approval.	Complete

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
POM 1- Complete	Waste deposit in Area A or B	Prior to the deposition of waste within Area A and B or as otherwise agreed with the Environment Agency, the operator shall install additional groundwater monitoring boreholes as discussed in the response to IC 1.4.1.5 dated Nov 2007 as detailed in the permit BW2978ID. Upon installation of the boreholes, monitoring shall be carried out in accordance with the regime specified in table S3.4 and S3.7. Appropriate control and trigger levels shall be provided to the Environment Agency for approval in accordance with EA guidance risk assessments for your environmental permit (www.gov.uk).
POM 2 - Complete		Prior to the deposition of waste in Area A and B, the operator shall submit proposals for additional landfill gas monitoring boreholes to be located on the northern boundary of Area A in writing to the Environment Agency for approval. These proposals shall include depth, spacing and construction specifications.
POM 3 - Complete		Prior to the deposition of waste in Area A and B, the operator shall install the boreholes immediately following receipt of written acceptance of the proposals from the Environment Agency. Once installed, the boreholes shall be monitored for the determinands and at the frequencies shown in table S3.5. Appropriate control and

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
		trigger levels shall subsequently be provided to the Environment Agency for approval in accordance with EA guidance LFTGN 03 – Management of Landfill Gas.
POM 4- Complete		Prior to the deposition of waste in Area A and B, the operator shall submit a revised assessment to the Environment Agency for approval, of risk to human health from bio-aerosols generated at the landfill site. The risk assessment shall be carried out in accordance with 'Guidance on the Assessment of Risks from Landfill Sites' (May 2004) and identify any management or mitigation practices required in order to minimise the release of bioaerosols. The operator shall undertake any measures or recommendations approved in writing by the Environment Agency to the timescales indicated in the approval.
POM 5- Complete		Prior to the deposition of waste in Area A and B, the operator shall review the Gas Risk Assessment and the amount of gas being produced on site. This will then be used to evaluate if gas utilisation is appropriate for the site. This assessment will be submitted to the Environment Agency for written approval.
POM 6- Complete		Prior to the deposition of waste in Area A and B , the operator shall prepare a revised groundwater contingency action plan specifying proposed management measures for the event that control or trigger levels within the groundwater pumping sumps are exceeded. The operator shall undertake any measures or recommendations approved in writing by the Environment Agency to the timescales indicated in the approval.
POM 7- Complete	Resumption of waste imports to the site	The operator will provide justification for appropriate groundwater compliance limits at borehole PZ03 for inclusion in table S3.4 and submit these for Environment Agency approval or evidence as to why compliance limits are still not necessary if: a) engineering of new cells and filling of voids is intended to be resumed to the north of the current waste mass, as well as should there be any changes to the 'natural' ground outside the waste mass (primarily the area to the west) that have the potential to affect groundwater flow pathways, or b) if increasing or elevated concentrations of relevant parameters, as defined within table S3.4 the permit, are identified during future monitoring.

Table S1.5 Annual waste input limits	
Category	**Limit tonnes/year**
Non-hazardous waste	0
Inert waste	9,900
Waste for restoration	50,000
Unprocessed IBA for treatment	80,000
Non-hazardous processed IBA for disposal	80,000
Total annual waste input	**99,900**

Schedule 2 – List of permitted wastes

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 01	**wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	**wastes from physical and chemical processing of metalliferous minerals**
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 10
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 10	dusty and powdery wastes other than those mentioned in 01 04 07
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	**drilling muds and other drilling wastes**
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
02 02 01	sludges from washing and cleaning
02 02 04	sludges from on-site effluent treatment
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	**wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	**Wastes from the leather, fur and textile industries**
04 01	**wastes from the leather and fur industry**
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	**wastes from the textile industry**
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	bitumen
05 06	**wastes from the pyrolytic treatment of coal**
05 06 04	waste from cooling columns
05 07	**wastes from natural gas purification and transportation**
05 07 02	wastes containing sulphur
06	**Wastes from inorganic chemical processes**
06 03	**wastes from the MFSU of salts and their solutions and metallic oxides**
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 05	**sludges from on-site effluent treatment**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
06 06	**wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	**wastes from the manufacture of inorganic pigments and opacificiers**
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 13	**wastes from inorganic chemical processes not otherwise specified**
06 13 03	carbon black
07	**Wastes from organic chemical processes**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 17	waste containing silicones other than those mentioned in 07 02 16
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 14	solid wastes other than those mentioned in 07 05 13
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	**Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 02	**wastes from MFSU of other coatings (including ceramic materials)**
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
08 03	**wastes from MFSU of printing inks**
08 03 07	aqueous sludges containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	**wastes from MFSU of adhesives and sealants (including water proofing products)**
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
09	**Wastes from the photographic industry**
09 01	**wastes from the photographic industry**
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 02	**wastes from the iron and steel industry**
10 02 01	wastes from the processing of slag

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	**wastes from aluminium thermal metallurgy**
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	**wastes from lead thermal metallurgy**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	**wastes from zinc thermal metallurgy**
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	**wastes from copper thermal metallurgy**
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	**wastes from casting of ferrous pieces**
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	**wastes from casting of non-ferrous pieces**
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	**wastes from non-ferrous hydrometallurgical processes**
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	**wastes from hot galvanising processes**
11 05 01	hard zinc
11 05 02	zinc ash
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
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 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**Wastes not otherwise specified in the list**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 03	end-of-life tyres
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	**off-specification batches and unused products**
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 08	**spent catalysts**
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 11	**waste linings and refractories**
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
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 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**metals (including their alloys)**
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
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 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	**insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
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

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
18	**Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	chemicals other than those mentioned in 18 02 05
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 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 03	**stabilised/solidified wastes**
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	**vitrified waste and wastes from vitrification**
19 04 01	vitrified waste
19 05	**wastes from aerobic treatment of solid wastes**
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	**wastes from anaerobic treatment of waste**
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 01	screenings
19 08 02	waste from desanding

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	**wastes from oil regeneration**
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**

Table S2.1 Previously Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 01 99	Other fractions not otherwise specified (comprising only of non-clinical human and animal offensive/hygiene waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is not subject to special requirements in order to prevent infection
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	**other municipal wastes**
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

Table S2.2 Permitted waste types for restoration	
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
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
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**

Table S2.2 Permitted waste types for restoration	
Waste code	**Description**
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 05	de-inking sludges from paper recycling
03 03 09	lime mud waste
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
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 06	dredging spoil other than those mentioned in 17 05 05
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 (including IBA which has undergone basic screening at the incinerator e.g. to remove oversize material or ferrous metals with an over-band magnet)
19 05	**wastes from aerobic treatment of solid wastes**
19 05 03	off-specification compost
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 05	sludges from treatment of urban waste water
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 02	sludges from water clarification
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 09	minerals (for example sand, stones)
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.3 Permitted waste types and quantities for treatment and storage under A3, A8 and A9 Activities – IBA treatment and storage activities.	
Maximum quantity	**The total quantity of waste accepted at the site under the IBA treatment and storage activities shall not exceed 80,000 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 12	bottom ash and slag other than those mentioned in 19 01 11 (including IBA which has undergone basic screening at the incinerator e.g. to remove oversize material or ferrous metals with an over-band magnet)

Table S2.4 Permitted waste types for disposal in IBA cells numbers 1,2,3 and 4.	
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 12	non-hazardous processed incinerator bottom ash

Schedule 3 – Emissions and monitoring

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/Description	**Limit (mAOD)**	**Monitoring frequency**	**Monitoring standard and method**
Non Operational Cells or Phases (Any cells or phases that have a final engineered cap agreed in accordance with the landfill engineering condition, 2.6)			
LCP1	9.3	Quarterly	As specified in Environment Agency Guidance LFTGN02: 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), or such other subsequent guidance as may be agreed in writing with the Environment Agency, or as otherwise agreed with the Environment Agency as part of a leachate monitoring plan.
LCP2	9.3		
LCP3	9.5		
LCP4	9.5		
LCP5	9.3		
Cell 6 Sump	9.0		
Cell 7 Sump	8.0		
Cell 8 Sump	8.0		
LW2.1B	5.5		
LW2.2	4.5		
LW2.3	5.5		
LW2.4	4.5		
LW2.5	4.5		
LW2.6B	5.5		
LW 3.1	7.5		
LW 3.2	7.5		
LW 3.3	7.5		
Operational Cells or Phases (Any cells or phases that do not have a final engineered cap agreed in accordance with the landfill engineering condition, 2.6)			
LW 3.1	4.5	Monthly	

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/Description	**Limit (mAOD)**	**Monitoring frequency**	**Monitoring standard and method**
Non Operational Cells or Phases (Any cells or phases that have a final engineered cap agreed in accordance with the landfill engineering condition, 2.6)			
LW 3.2	4.5		As specified in Environment Agency Guidance LFTGN02: 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), or such other subsequent guidance as may be agreed in writing with the Environment Agency, or as otherwise agreed with the Environment Agency as part of a leachate monitoring plan.
LW 3.3	4.5		

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (including unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
A1 Flare 1 (within the LFG compound) Plan ESID 8	Oxides of Nitrogen	Landfill Gas Flares	150 mg/m^3	Hourly mean	Annually	As per TGN M2: Monitoring of stack emissions to air (version 11, November 2015) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Monitoring is unnecessary where the flare is active for <10% of the year.
	CO		50 mg/m^3			
	Total VOCs		10 mg/m^3			

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
W1 Pike Drain (Downstream On FCC Drawing 722M132)	Ammoniacal Nitrogen	Surface water Collection System	2 mg/l	Spot Sample	Monthly	As specified in Environment Agency Guidance LFTGN02: 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	Chloride		175 mg/l			
	Nickel		0.12 mg/l			
	Suspended Solids		50 mg/l			

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
SRC Ditch monitoring points as shown on FCC Drawing 722M132	Ammoniacal Nitrogen	Surface water runoff from SRC Area in Containment channel	2 mg/l	Spot Sample	Prior to discharge	As specified in Environment Agency Guidance LFTGN02: 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	Chloride		175 mg/l			
	Nickel		0.12 mg/l			
	Suspended Solids		50 mg/l			
	Selenium		0.01 mg/l			
	Hazardous substance suite		10 µg/l			

Table S3.4 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
BH01,BH02/14,BH01/04,BH02/04, BH3A, BH17ASand, WBY1100, WBY4100 and WBY6100	Ammoniacal nitrogen	2.59 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
PZ02, WBY3100	Ammoniacal nitrogen	10 mg/l			
BH01, BH01/04, BH02/04, BH3A, BH17ASand, WBY1100, WBY3100, WBY4100 and WBY6100	Chloride	200 mg/l			
BH01, BH01/04, BH02/04, BH3A, BH17ASand,	Nickel	0.2mg/l			

WBY1100, WBY3100, WBY4100, WBY6100 and PZ02	Cadmium	0.03mg/l			
	Lead	0.0002 mg/l			
	Mecoprop	0.1 ug/l		Annually	
PZ03, S&G1, S&G2, S&G3	Ammoniacal nitrogen	no limit		Quarterly	
	Chloride				
	Nickel				
	Cadmium				
	Mecoprop			Annually	

Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard or method**
BH01/04, BH02/04, BH8A, WBY6100, WBY5100, WBY4100, BH13CSand, BH13CClay, BH13ARed, BH13AOrange, BH13AYellow, BH2DSand, BH2DClay, BH2CSand, BH2AClay, BH2BSand, BH2BClay, PZ01, PZ02, PZ03, BH3DSand, BH3DClay, BH2ASand, BH2CClay, BH2/14, S&G1, S&G2, S&G3	Methane	1 %v/v	Monthly	As per LFTGN03: Guidance on the management of landfill gas (September 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: • waterlogged • frozen • snow covered
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
	Carbon dioxide	No limit		

Table S3.6 Landfill gas emissions from capped surfaces for cells that have accepted non hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	**Parameter**	**Monitoring frequency**	**Monitoring Standard or method**
Permanently capped zone	Methane concentration	Every 12 months	As per LFTGN07: Guidance on monitoring landfill gas surface emissions (version 2, 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Temporarily capped zone	Methane concentration	Every 12 months	
Whole site	Total methane emission	As agreed with the Environment Agency	
Uncapped areas	Methane concentration	Every 12 months	As agreed with the Environment Agency based on the wording of revised LFTGN07: Guidance on monitoring landfill gas surface emissions (version 2, 2010) or landfill sector guidance or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.7 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Up gradient MEPP	Water level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Chromium, Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium	Annually	
	Hazardous substances	Annually for first six years of operation	

Table S3.7 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Down or cross gradient MEPP	Water level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency. After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Chromium, Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium	Annually	
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAoD)	Annually	

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
In waste gas monitoring boreholes or sealed leachate wells or sacrificial gas extraction system [in cells for non-hazardous waste]	Methane Carbon Dioxide Oxygen Carbon Monoxide Differential pressure Atmospheric pressure	Monthly until gas extraction commences	Calibrated handheld monitoring instrument	For cells or phases which have no active gas extraction. Gas extraction system shall be installed and extraction commenced once monitoring shows onset of methane production in waste at a rate that can be sustainably extracted. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Hydrogen sulphide	Quarterly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04: Guidance for monitoring trace components in landfill gas (version 3, 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	For cells or phases which have no active gas extraction. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring. Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans
Gas collection system at well control valve, manifolds (if applicable) and strategic points on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Monthly or at such other frequency as may be agreed in writing with the Environment Agency.	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertaken. Record the ambient air temperature and whether the ground is: • waterlogged • frozen • snow covered

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Gas collection system at well control valve	Hydrogen Sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04: Guidance for monitoring trace components in landfill gas (version 3, 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans
Output to flare	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04: Guidance for monitoring trace components in landfill gas (version 3, 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency or a trace gas characterisation method agreed with the Environment Agency.	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Output to flare	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly		Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Flares 1 on in the Gas Compound marked on FCC Drawing 722M132 dated 10/08/15	Temperature	As per LFTGN05: Guidance for monitoring enclosed landfill gas flares (version 2, 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	As per TGN M2: Monitoring of stack emissions to air (version 11, November 2015) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	

Table S3.9 Leachate – other monitoring requirements				
Monitoring point reference or description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Operational Cells or Phases **(Any cell or phases that do not have a final engineered cap agreed in accordance with condition 2.6)**			At leachate compliance point as listed in table S3.1.	

Table S3.9 Leachate – other monitoring requirements				
Monitoring point reference or description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
MEPP	pH, EC, Total Alkalinity, Ammoniacal Nitrogen, Chloride, COD, BOD, Cadmium, Chromium, Copper, Lead, Nickel, Iron, Arsenic, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Zinc, Manganese	Quarterly	As specified in Environment Agency As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency	None
MEPP	Hazardous substances	Annually		None
MEPP	Depth to base (mAoD)	Annually		None
Non Operational Cells or Phases (Any cell or phases that have a final engineered cap agreed in accordance with condition 2.6)				
MEPP	pH, EC, Total Alkalinity, Ammoniacal Nitrogen, Chloride, COD, BOD, Cadmium, Chromium, Copper, Lead, Nickel, Iron, Arsenic, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Zinc, Manganese	Annually		
MEPP	Hazardous substances	Once every four years		None
MEPP	Depth to base (mAoD)	Annually		

Table S3.10 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
MEPP	Ammoniacal Nitrogen Chloride Suspended Solids Visual Oil and Grease pH Electrical Conductivity	Monthly	Spot sample	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
SRC Ditch monitoring points as shown on FCC Drawing 722M132	Ammoniacal Nitrogen Chloride Suspended Solids Visual Oil and Grease pH Electrical Conductivity Calcium Copper (d) Chromium (total) Magnesium (d) Manganese Nickel Lead Zinc (d) Hazardous substances	Prior to discharge	Spot sample	

Table S3.10 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	including Cadmium and Mercury			

Table S3.11 Process Limits and Monitoring requirements - Soils				
Monitoring Point Ref. /Description	**Parameter**	**Limit (including unit)**	**Monitoring frequency**	**Monitoring Standard or Method**
Soil SS1 – composite sample for the SRC area	Seasonal soil moisture content, rainfall, surface water run-off, evaporation and transpiration	-	Pre-irrigation	Field results/ observations and book reference values (evaporation and transpiration)
	pH, Phosphate, Potassium, Magnesium, Sodium, Chloride, Electrical Conductivity, Cadmium, Mercury, Copper, Chromium, Lead, Nickel, Zinc, Molybdenum, Selenium, and Arsenic.	Determined in compliance with table S1.3 Reference IC 11	Twice yearly in March and November	As per Soil Monitoring Protocol dated 02/06/16.
	Hazardous substances identified in the leachate being irrigated			
Soil pore water SPW1, SPW3, SPW5 and SPW7	pH, COD, Chloride, Ammoniacal Nitrogen, Electrical Conductivity.	Determined in compliance with table S1.3 Reference IC 11	Twice yearly in March and November	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be

Table S3.11 Process Limits and Monitoring requirements - Soils				
Monitoring Point Ref. /Description	**Parameter**	**Limit (including unit)**	**Monitoring frequency**	**Monitoring Standard or Method**
	Calcium, Cadmium, Chloride, Chromium (III and VI), Copper (d), Iron (d), Potassium, Magnesium (d), Manganese, Sodium (d), Ammoniacal Nitrogen, Nickel, Nitrate, Lead, pH, Sulphate, Sulphur, Total Organic Carbon, Zinc (d), Hazardous substance identified in the leachate being irrigated	Determined in compliance with table S1.3 Reference IC 11	Twice yearly in March and November	agreed in writing with the Environment Agency.

Table S3.12 Process limits and monitoring requirements - Leachate				
Monitoring Point Ref./ Description	**Parameter**	**Monitoring frequency**	**Compliance limit from the secondary treatment lagoon**	**Monitoring standard or method**
Leachate Lagoons	Leachate level in primary and secondary pre-treatment lagoons	Monthly or as otherwise agreed in writing with the Environment Agency.	-	Dip meter or as otherwise agreed in writing with the Environment Agency.
Raw leachate feed	Volume transferred to primary treatment	Monthly	-	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Primary pre-treatment effluent	Volume transferred to secondary treatment	Monthly	-	
Secondary pre-treatment effluent	Volume transferred to SRC	Monthly	-	

Table S3.12 Process limits and monitoring requirements - Leachate				
Monitoring Point Ref./ Description	**Parameter**	**Monitoring frequency**	**Compliance limit from the secondary treatment lagoon**	**Monitoring standard or method**
Secondary pre-treatment effluent	pH	Monthly or as agreed in writing with the Environment Agency	6 to 10 or as agreed in writing with the Environment Agency	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	Ammoniacal Nitrogen	Monthly	17 mg/l	
	Chloride	Monthly	1937 mg/l	
	Cadmium	Monthly	0.002 mg/l	
	Nickel	Monthly	0.11 mg/l	
	Selenium	Monthly	0.087 mg/l	
	MCPP	Every 2 months during irrigation season	0.21 µg/l	
	Xylene (total 3 isomers)	Every 2 months during irrigation season	10 µg/l	
	Monohydric phenols	Every 2 months during irrigation season	1 mg/l	
Raw leachate feed, primary pre-treatment effluent and secondary pre-treatment effluent	Alkalinity	Every 2 months during irrigation season	-	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	BOD		-	
	COD		-	
	Nitrate		-	
	Electrical Conductivity (Field)		-	
	Electrical Conductivity (Lab)		-	
	Sodium (dissolved)		-	
	Calcium		-	
	Copper (dissolved)		-	

Table S3.12 Process limits and monitoring requirements - Leachate				
Monitoring Point Ref./ Description	**Parameter**	**Monitoring frequency**	**Compliance limit from the secondary treatment lagoon**	**Monitoring standard or method**
	Iron		-	
	Potassium			
	Chromium		-	
	Mercury		-	
	Magnesium (dissolved)		-	
	Manganese		-	
	Selenium			
	Lead		-	
	TOC		-	
	Zinc (dissolved)		-	
Raw Leachate Feed, primary pre-treatment effluent and secondary pre-treatment effluent	Hazardous substances suite (inc. pesticides)	Annually	-	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency

Table S3.13 Process monitoring requirements - Dust				
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 (ref 722A167)	Moisture content	As agreed under the dust emissions management plan.	As agreed under the dust emissions management plan	

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Leachate level As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to air As specified by schedule 3, table S3.2	Every 12 months	31 December
Point source emission to water (other than sewer) As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission to groundwater As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.6	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.7	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.8 Trace gas monitoring	Every 3 months Every 12 months	31 March, 30 June, 30 September, 31 December 31 December
Other leachate monitoring As specified by schedule 3, table S3.9	Every 12 months	31 December
Other surface water monitoring As specified by schedule 3, table S3.10	Every 12 months	31 December
Process monitoring As specified by schedule 3, table S3.11	Every 3 months	31 March, 30 June, 30 September, 31 December
Process monitoring As specified by schedule 3, table S3.12	Every 3 months	31 March, 30 June, 30 September, 31 December

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Process monitoring As specified by schedule 3, table S3.13	As agreed under the dust emissions management plan	As agreed under the dust emissions management plan
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December

* - where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

Table S4.2: Annual production/treatment	
Leachate: Disposed of offsite; Amount of to any onsite treatment plant; Recirculated into the waste mass.	Cubic metres/year
Landfill gas: combustion in flares; combustion in gas engines; Other methods of gas utilisation. Average methane content entering the landfill gas utilisation or treatment compound (based on the annual average of Table S3.10 monitoring) Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year % methane v/v m^3 /hr
SRC amount of leachate irrigated volume of liquid discharged to surface water	 Cubic metres/year Cubic metres/year

Table S4.3 Performance Parameters			
Parameter	**Frequency of assessment**	**Annual total**	**Unit**
Energy used (including for leachate treatment)	Annually		MWh of electricity or natural gas
Wood harvested	Annually		tonnes

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	01/04/08
Air	Form Air 1 or other reporting format to be agreed in writing with the Environment Agency	01/04/08

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	01/04/08
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	01/04/08
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	01/04/08
Waste Return	Waste Return Form RATS2E or Generic Operator Returns system (GOR) other reporting format to be agreed in writing with the Environment Agency	-
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	-

Schedule 5 – Notification

This page outlines 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 incident or accident which significantly affects or may significantly affect the environment	
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 in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment	
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 supplied 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.

“annually” means once every year.

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

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

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

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

“cell layout drawing” means:

(a) A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:

(i) the location of the new cell on the site;

(ii) the proposed level (Above Ordnance Datum) of the base of the excavation;

(iii) the proposed finished levels of all containment and leachate drainage layers;

(iv) the positions of leachate management infrastructure; and

(v) the positions of landfill gas infrastructure (if appropriate).

(b) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:

(i) changes to slope length and gradient within the cell;

(ii) new leachate or landfill gas infrastructure construction design;

(iii) slope stability issues such as new basal excavation level; and/or

(iv) depth of waste.

“construction Proposals” means written information, at a level of detail appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the New Cell or Landfill Infrastructure.

“CQA Validation Report” means the final “as built” construction and engineering details of the New Cell or of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliances and the solution applied;

- Any other site specific information considered relevant to proving the integrity of the New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“emissions to land” includes emissions to groundwater.

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

“exceeded” means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

“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 substances” as defined by the Environmental Permitting (England and Wales) Regulations 2016, SI 2016 No.1154, schedule 22 and listed in our Hydrogeological risk assessment guidance.

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

"inert waste" means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater

“landfill Infrastructure” means any specified element of the:

- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;
- lining within the installation.

within the site.

“LFTGN 05” means Environment Agency Guidance for monitoring enclosed landfill gas flares.

“LFTGN 07” means Environment Agency Guidance on monitoring landfill gas surface emissions.

“LFTGN 08” means Environment Agency Guidance for monitoring landfill gas engines.

“liquids” means any liquid other than leachate within the engineered landfill containment system.

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

“M2” means Environment Agency Guidance Monitoring of stack emissions to air.

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

“medicinal product” means any medicine licensed by the Medicines and Healthcare products Regulatory Agency (MHRA) or their predecessors under the Medicines Act 1968, section 130.

“MEPP” Monitoring and extraction point plan, required by condition 4.2.2(h) to specify extraction points and routine monitoring locations.

“new cell” means any new cell, part of a cell or other similar new area of the site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

“no impact” means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

“pests” means Birds, Vermin and Insects.

“previous year” means the 12 month period preceding the month the annual report is submitted in.

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

“relevant waste acceptance procedures” means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“relevant waste acceptance criteria” means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“review of the Hydrogeological Risk Assessment” means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

‘sustainably extracted’ means where suction can be applied to the extraction wells such that a flow rate of landfill gas, with a methane content capable of either being combusted, or treated by bio-oxidation, can be extracted without increasing the risk of air ingress to the waste or inducing aerobic degradation within the waste.

‘waste code’ - See ‘List of Wastes’.

“WFD” means Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste [and repealing certain Directives] – the Waste Framework Directive.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means the standards included in Environment Agency Guidance for Monitoring Enclosed Landfill Gas Flares LFTGN 05 or Guidance for Monitoring Landfill Gas Engine Emissions LFTGN 08.

Where the following terms appear in the waste code list in Tables S2.1 and S2.2 they have the meaning given below:

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

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

‘polychlorinated biphenyls and polychlorinated terphenyls’ (‘PCBs’) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC’.
Article 2(a) says that ‘PCBs’ means:

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

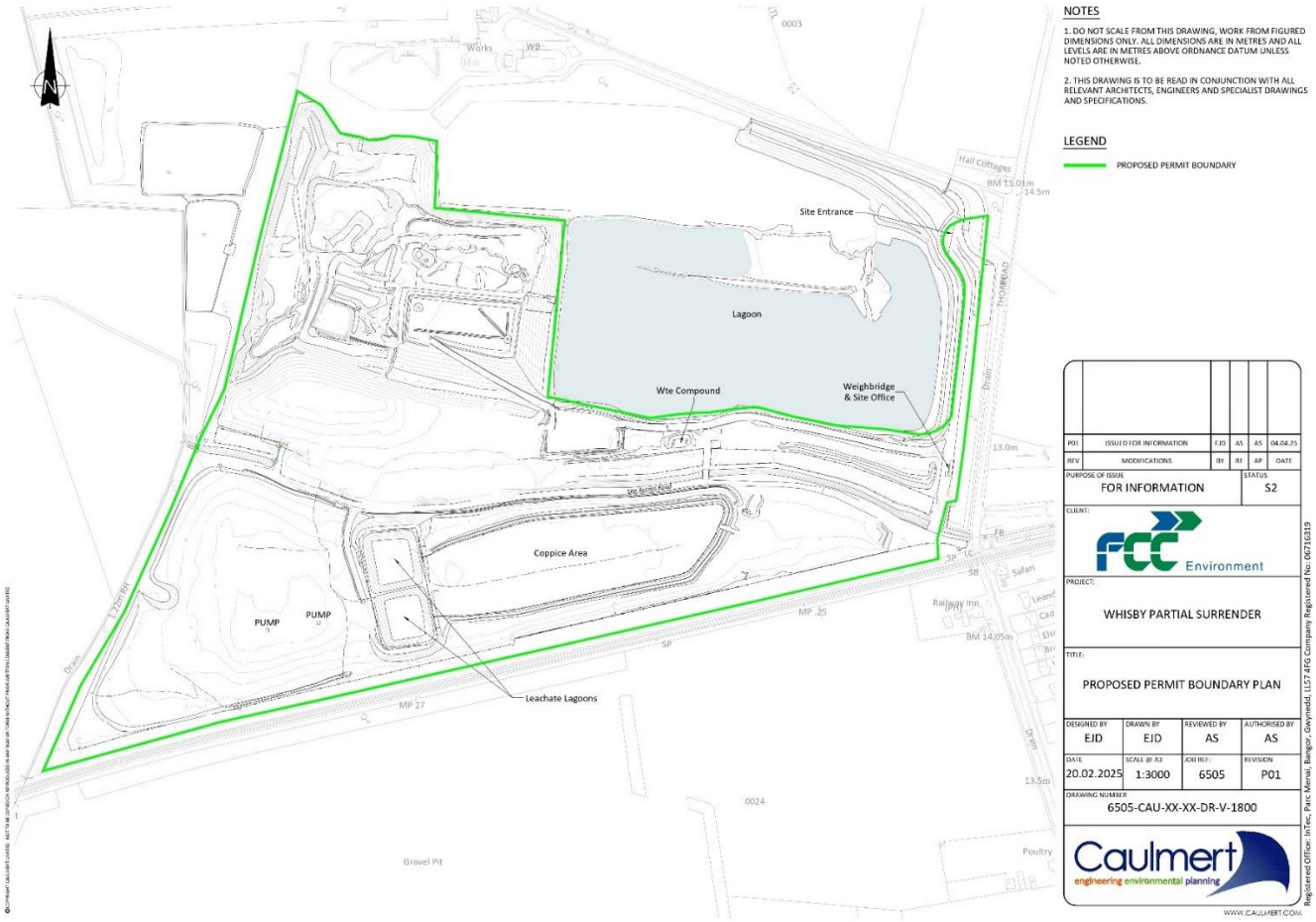
‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

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

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

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

Schedule 7 – Site plan



END OF PERMIT