Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Distington Landfill

Cumbria Waste Management Limited
Pittwood Road
Lillyhall
Workington
Cumbria
CA14 4JP

Variation notice number
EPR/BV8725IT/V004

Permit number

EPR/BV8725IT

Distington Landfill
Permit Number EPR/BV8725IT

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 S.I. 2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions and Schedule 3 lists any conditions that have been added.

There may be some activities on the regulated facility to which BAT applies because they are not Landfill activities. Therefore, in some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the regulated facility, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what is BAT. In determining BAT, the Operator should pay particular attention to the appropriate Horizontal guidance and other relevant guidance.

Brief description of the changes to the regulated facility covered by this Variation Notice EPR/BV8725IT/V004 (PPC Ref: EP3335GH)

The purpose of this variation is to permit the use of a netted area at the site as a Temporary Waste Transfer Station (TWTS). This is being added to the existing regulated facility as a waste operation. The TWTS is not directly associated with the landfill and will provide short term storage and bulking up of incoming wastes prior to their transport to off site disposal. Drainage from the facility will be from an impermeable surface to a sealed tank all of which will be maintained and managed such that no liquid enters the landfill site from the facility.

Brief description of the changes to the regulated facility covered by Variation Notice EPR/BV8725IT/V003 (PPC Ref: KP3134XL)

The purpose of this variation was to allow additional waste to be taken at the site and the final level of the site to be raised. Several administrative corrections were also made. The variation deleted all of the conditions of the previous variation (EPR/BV8725IT/V002) and replaced them with new conditions.

Brief description of the changes to the regulated facility covered by Variation Notice EPR/BV8725IT/V002 (PPC Ref: XP3932LV)

This variation was undertaken to ensure that the permit condition were taken from a new permit template. This variation ensured that conditions were in place to cover the operation of the Liquid Waste treatment Facility on site.

Description of the regulated facility covered by this permit

The description of the regulated facility has changed since the Permit EPR/BV8725IT/V003 was issued, for completeness the main features of the regulated facility are now as follows:

Distington landfill has been in operation since 1989 and is located approximately 1km to the north east of Distington village and approximately 4km south-southeast of Workington in Cumbria (Ordnance Survey Grid Reference NY 025 243). The site area is approximately 11Ha. The site is located on variable thicknesses of drift materials (including Boulder Clay and river alluvium) over Coal Measures solid strata. To the north of the site, Distington Slag Bank and Lillyhall Landfill are located. A crematorium and agricultural land are located to the south. Agricultural land lies to the east and a smelting works to the west. Land uses within 500 metres of the site are as follows:- Lillyhall Industrial Estate lies adjacent to the northern boundary; Agricultural land and Wythemoor

Head lie to the east; Agricultural land and Kelmore Hill Farm lie to the south; and Agricultural land, Distington Hall Crematorium, Holme Leigh, Sports ground and Lakeside House lie to the west.

The main activity at the regulated facility is the operation of an engineered non-hazardous landfill. The biological and physico–chemical treatment of leachate (and other non-hazardous liquid waste) in a Liquid Waste Treatment Facility with a capacity of >50 tonnes per day are separate Listed activities included in the Permit. The Liquid Waste Treatment Facility constitutes the leachate and other non-hazardous liquid waste treatment plant and the carbon absorption plant.

Directly associated activities include the management and flaring of Landfill Gas; the discharge of treated leachate to sewer and the discharge of site drainage from the landfill into controlled waters.

The engineering of the landfill consists of barriers constructed across the base, sides and top of the site to prevent the movement of leachate and landfill gas from the Installation. In addition to the barriers, landfill gas generated in the landfill is managed by the installation of wells in the waste from which the gas is extracted. The extracted landfill gas is and will be used for flaring and utilisation in the associated gas compound. The Site shown edged in green on the site plan (SP1) contains the GUP, this site has a separate Permit (GP3632PY) and is operated by Infinis (Re-Gen) Limited (Company Number 151665), who are the other Operators of this Multi-Operator regulated facility. However within the site shown edged in green is the Landfill Gas Flare which is operated and controlled under the conditions of this Permit.

Leachate generation is minimised by preventing excess water entering the waste. The site is operated in a series of areas known as cells, which are capped when full to minimise rainwater entry. Eight cells in total are proposed. Excess leachate within the waste is removed via the previously installed wells in order to ensure that the level of leachate within the cells is always maintained at compliance. Two of the cells are operated with leachate compliance levels below that of external groundwater levels. This is known as operating using hydraulic containment. Leachate is pumped to a leachate holding tank prior to treatment at the site's leachate treatment plant (LTP). The treated effluent from the LTP is discharged into the Lillyhall Trunk Sewer under a trade effluent discharge consent. It is proposed that recirculation of excess leachate is also completed in areas of dry waste where the leachate may be absorbed.

There are also two trade effluent discharges from the site referenced 747TCWSW-PL and 747TCWMD-PL, however these do not form part of the permit as they are regulated by United Utilities.

A separate waste operation at the site is in the form of a Temporary Waste Transfer Facility where solid non-hazardous and inert wastes are bulked up and stored pending off site disposal. This facility consists of a netted area with an impermeable base and sealed drainage system.

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

Status Log of the permit		
Detail	**Date**	**Response Date**
Application BV8725IT (EPR/BV8725IT/A001)	7 May 2005	
Permit BV8725IT determined (EPR/BV8725IT)	17 October 2005	
Variation XP3932LV into new permit template determined (EPR/BV8725IT/V002)	4 February 2008	
Variation Application KP3134XL (EPR/BV8725IT/V003)	25 February 2008	
Variation KP3134XL determined (EPR/BV8725IT/V003)	31 March 2009	
Variation Application EP3335GH (EPR/BV8725IT/V004)	6 October 2008	
Variation EPR/BV8725IT/V004 determined (EP3335GH)	29 April 2010	

Other Part A installation permits relating to this regulated facility		
Operator	**Permit Number**	**Date of Issue**
Infinis (Re-Gen) Limited (Company number 151665)	GP3632PY	30/11/04
Cumbria Waste Management Limited (Company number 2665973)	QP3437SV	29/08/06

Superseded Licences/Authorisations/Consents relating to this Regulated facility		
Holder	**Reference Number**	**Date of Issue**
Cumbria Waste Management Limited	Waste Management Licence 285 EAWML/57285	25/11/94
Cumbria Waste Management Limited	Waste Management Licence 211 EAWML57211 The Hazardous Waste Transfer Station; tyre transfer station; chemical transfer station; clinical waste store will continue to operate in accordance with the Waste Management Licence. The elements of that licence relating to the Hazardous Waste Transfer Station; hazardous waste for recovery and non-hazardous waste for recovery or disposal; clinical waste store and asbestos skip stored on the landfill will remain in force, including scope for the provision for a Civic Amenity Site.	01/07/93
Environment Agency	Consent number AZ7017-01 which permitted the discharge of 'special category' effluent to foul sewer.	10/12/97

Other non schedule 1 activities may take place on the site of this regulated facility which are not regulated under this Permit. These are listed in the Table below. These activities include:

Other existing Licences/Authorisations/Registrations relating to this site		
Holder	**Reference Number**	**Date of issue**
Cumbria Waste Management Ltd	Waste Management Licence 211 EAWML57211 The Hazardous Waste Transfer Station; tyre transfer station; chemical transfer station; clinical waste store will continue to operate in accordance with the Waste Management Licence. The elements of that licence relating to the Hazardous Waste Transfer Station; hazardous waste for recovery and non-hazardous waste for recovery or disposal; clinical waste store and asbestos skip stored on the landfill site will remain in force, including scope for the provision for a Civic Amenity Site.	01/07/93

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2010

Permit number
EA/EPR/BV8725IT

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (S.I. 2010 No. 675) varies the permit as set out below.

Cumbria Waste Management Limited ("the operator"),

whose registered office is

Unit 5A
Wavell Drive
Rosehill Industrial Estate
Carlisle
Cumbria
CA1 2ST.

company registration number 2665973

holds a permit to operate a regulated facility at
Distington Landfill
Pittwood Road
Lillyhall
Workington
Cumbria
CA14 4JP

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from 3 May 2010.

Name	Date
Steve Hardy	29 April 2010

Authorised on behalf of the Agency

Schedule 1 – conditions to be deleted

1. All of the conditions and schedules in the permit EPR/BV8725IT as varied by KP3134XL (EPR/BV8725IT/VAR003) dated 31 March 2009 are deleted.

Schedule 2 – conditions to be amended

2. None.

Schedule 3 – conditions to be added

3. The following conditions and schedules are added to the permit.

1 Management

1.1 General management

1.1.1 The activities shall be managed and operated:

(a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and closure and those drawn to the attention of the operator as a result of complaints; and

(b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

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 or shall hold an appropriate certificate of technical competence or other approval issued by the Agency.

1.2 Accident management plan

1.2.1 The operator shall:

(a) maintain and implement an accident management plan;

(b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;

(c) make any appropriate changes to the plan identified by a review.

1.3 Finance

1.3.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Agency dated 17 October 2005 shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Agency.

1.3.2 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 1.3.1; and

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

1.4 Energy efficiency

1.4.1 For the following activities referenced in schedule 1, table S1.1 as A2, A3, A4, A5 and A6 (the Liquid Waste Treatment Facility) the operator shall:

(a) take appropriate measures to ensure that energy is used efficiently.

(b) review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.5 Efficient use of raw materials

1.5.1 For the following activities referenced in schedule 1, table S1.1 as A2, A3, A4, A5 and A6 (the Liquid Waste Treatment Facility) 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 4 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 appropriate further measures identified by a review.

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

1.6.1. For the following activities referenced in schedule 1, table S1.1 as A2, A3, A4, A5 and A6 (the Liquid Waste Treatment Facility) 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 4 years whether changes to those measures should be made; and

(c) take any further appropriate measures identified by a review.

1.7 Multiple operator installations

1.7.1 Where the operator notifies the Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

2 Operations

2.1 Permitted activities

2.1.1 The operator is 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 red on the site plan at schedule 2 to this permit, excluding the Gas Utilisation Plant (installation boundary shown edged in green) and the Hazardous Waste Transfer Station (edged in blue) – both of which are operated under separate permits.

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 Agency.

2.3.2 No raw materials or fuels listed in schedule 3 table S3.1 shall be used unless they comply with the specifications set out in that table.

2.3.3 Waste shall only be accepted at the following activities referenced in schedule 1, table S1.1 as A2, A3, A4, A5 and A6 (The Liquid Waste Treatment Facility) if:

(a) it is of a type and quantity listed in schedule 3 tables S3.2 or S3.3; and

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

2.3.4 Waste shall only be accepted at the activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility) if:

(a) it is of a type and quantity listed in schedule 3 table S3.4; and

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

2.3.5 Records shall be kept of all waste accepted onto the site

2.3.6 Waste acceptance at the activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility) shall cease by 31 July 2011 unless otherwise agreed in writing by the Environment Agency.

2.3.7 Site security measures shall prevent unauthorised access to the site, as far as practicable.

2.3.8 For the activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility), scavenging animals, scavenging birds and other pests shall not cause nuisance, unless the operator has used appropriate measures to prevent or where that is not practicable, to minimise, such nuisance.

2.4 Conditions in relation to certain land

No condition applies.

2.5 Improvement programme

2.5.1 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 Agency.

2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

2.6.1 The activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility), shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

2.7 Landfill Engineering

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

2.7.2 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 Agency.

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

2.7.4 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 Agency has confirmed that it is satisfied with the construction proposals.

2.7.5 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 Agency.

2.7.6 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill Infrastructure.

2.7.7 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.7.4 and 2.7.5 do not apply and the relevant landfill Infrastructure may be constructed, provided that the construction proposals are submitted to the Agency as soon as practicable.

2.7.8 For the purposes of conditions 2.7.1, 2.7.3 and 2.7.4, the Agency shall be deemed to be satisfied where it has not, within the period of 4 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.

2.8 Waste acceptance

2.8.1 For the following activity referenced in schedule 1, table S1.1 as A1 (the Landfill), wastes shall only be accepted for disposal if:

(a) they are listed in schedule 3, table S3.5 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 1400 mm), and

(d) they are not shredded used tyres, and

(e) they are not liquid waste (including waste waters but excluding sludge and excluding liquid waste accepted at a permitted leachate treatment activity), 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, or liquid waste accepted for treatment at a permitted leachate treatment activity, and

(k) where 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.

2.8.2 For the following activities referenced in schedule 1, table S1.1 as A1 (the Landfill), the operator shall visually inspect:

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

(b) waste at the point of deposit;

and shall satisfy itself that it conforms to the basic characterisation documentation submitted by the holder.

2.8.3 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.

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

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

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

2.8.7 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.

2.9 Leachate levels

2.9.1 The limits for the level of leachate listed in schedule 4 table S4.1 shall not be exceeded.

2.10 Closure aftercare and decommissioning

2.10.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.

2.10.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site of operation to a satisfactory state.

2.10.3 The operator shall carry out and record a review of the site closure plan at least every 4 years

2.10.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

2.11 Site protection and monitoring programme

2.11.1 The operator shall implement and maintain the Site Protection and Monitoring Programme in relation to all areas which will not comprise permanent deposits of waste and shall carry out and record a review of it at least every 4 years commencing from the date the Site Protection and Monitoring Programme was received.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.2, S4.3 and S4.4.

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

3.1.3 There shall be no emission from the activities into groundwater of any hazardous substances contrary to the EP Regulations.

3.1.4 There shall be no emission from the activities into groundwater of any non-hazardous pollutants so as to cause pollution.

3.1.5 The trigger levels for emissions into groundwater for the parameters and monitoring points set out in schedule 4 Table S4.5 shall not be exceeded.

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

(a) between 9 and 6 months prior to the tenth anniversary of the granting of the permit, and

(b) between 9 and 6 months prior to every subsequent six years after the tenth anniversary of the granting of the permit.

3.2 Fugitive emissions of substances

3.2.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including those specified in any approved fugitive emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 For the following activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility), the operator shall:

(a) if notified by the Agency that the activities are giving rise to pollution, submit to the Agency for approval within the period specified, a fugitive emissions management plan;

(b) implement the approved fugitive emissions management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

3.2.3 Litter or mud arising from the activities shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been used to prevent or where that is not practicable to minimise, the litter or mud.

3.2.4 Litter or mud arising from the activities shall be cleared from affected areas outside the site as soon as practicable.

3.2.5 All liquids, 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.

3.2.6 The limits for landfill gas arising from the installation set out in schedule 4, table S4.6, shall not be exceeded.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.3.2 For the activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer facility), the operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to annoyance outside the site due to odour, submit to the Agency for approval within the period specified, an odour management plan;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the 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 annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including 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 For the activity referenced in schedule 1, table S1.1 as A11 (the Temporary Waste Transfer Facility), the operator shall:

(a) if notified by the Agency that the activities are giving rise to annoyance outside the site due to noise and vibration, submit to the Agency for approval within the period specified, a noise and vibration management plan;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring and any other actions specified in the following tables in schedule 4 to this permit:

(a) Leachate specified in tables S4.1 and S4.9;

(b) Point source emissions specified in tables S4.2, S4.3 and S4.4;

(c) Groundwater specified in tables S4.5 and S4.11;

(d) Landfill gas specified in tables S4.6, S4.7 and S4.8;

(e) Surface water specified in table S4.10; and

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 For the activity referenced in schedule 1, table S1.1 as A1 (the Landfill), a topographical survey of the site referenced to ordnance datum shall be carried out:

(a) annually, and

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

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

The topographical survey shall be used to produce a plan of a scale adequate to show the surveyed features of the site.

3.5.4 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the Site Protection and Monitoring Programme shall be collected and submitted to the Agency.

3.5.5 For the following activities referenced in schedule 1, table S1.1 as A2, A3 and A4, (the Liquid Waste Treatment Facility) monitoring equipment, techniques, personnel and organisations employed shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the 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 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) the Site Protection and Monitoring Programme;

(iii) sub-surface landfill gas monitoring;

(iv) leachate levels, quality and quantities;

(v) landfill gas generation and collection;

(vi) waste types and quantities;

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

4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records, plans and the management system required to be maintained by this permit shall be held on the site where practicable, or other location agreed in writing and controlled by the operator.

4.2 Reporting

4.2.1 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto;

(b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;

(c) for the following activities referenced in schedule 1, table S1.1 as A2, A3, A4, A5 and A6 (the Liquid Waste Treatment Facility) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule.

(d) the annual production/treatment set out in schedule 5 table S5.2;

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

(f) 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;

(g) an assessment of the settlement behavior 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;

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

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 Table S5.1;

(b) for the reporting periods specified in schedule 5 Table S5.1 and using the forms specified in schedule 5 Table S5.4; and

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

4.2.4 Within one month of the end of each quarter, the operator shall submit to the 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 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.6 The results of reviews and any changes made to the Site Protection and Monitoring Programme shall be reported to the Agency, within 1 month of the review or change.

4.3 Notifications

4.3.1 The Agency shall be notified without delay following the detection of:

(a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;

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

(c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.

4.3.3 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

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

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

In any other case:

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

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

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

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

(a) the 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 7 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 "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex IIA and IIB operations**	**Limits of specified activity and waste types**
A1	S5.2 A1 (a), The disposal of waste in a landfill	D1 – Disposal of waste in a landfill for non-hazardous waste.	Receipt, handling and disposal of wastes, consisting of the types and quantities specified in condition 2.8, as an integral part of landfilling. Waste types to be as specified in Schedule 3, Table S3.5.
A2	S5.3 A1 (c) (i) Biological treatment	D8 – Biological treatment of leachate and other liquid wastes within the Liquid Waste Treatment Facility with a capacity of >50 Tonnes/day for disposal.	Leachate arising from the Permitted landfill and other liquid waste in accordance with Improvement Condition 1.4.1(6). Permitted waste types and maximum quantities to be as specified in schedule 3 table S3.2.
A3	S5.3 A1 (a) Physico-chemical treatment	D9 – Treatment of leachate and other liquid wastes in the Carbon Absorption Plant within the Liquid Waste Treatment Facility with a capacity of >50 Tonnes/day for disposal.	Leachate arising from the Permitted landfill and other liquid wastes that have been treated in the biological treatment process. Permitted waste types and maximum quantities to be as specified in schedule 3 table S3.3.
	Directly Associated Activity		
A4	Discharge of treated effluent to foul sewer	Discharge of treated effluent from the Liquid Waste Treatment Facility	From the Liquid Waste Treatment Facility to point of entry to foul sewer
A5	Storage of leachate and other non-hazardous liquid waste for disposal in the Liquid Waste Treatment Facility	Pre and post biological and physico-chemical treatment	Leachate and other non-hazardous liquid wastes stored in holding tanks and the effluent treatment lagoons
A6	Oxygen, Sodium Hydroxide and Granular Activated Carbon storage	Storage of Oxygen, Sodium Hydroxide and Granular Activated Carbon (GAC) as part of the leachate and liquid waste treatment process	Oxygen and Sodium Hydroxide storage tanks
A7	Discharge of contaminated site drainage to foul sewer	Management and discharge of contaminated site drainage from the site	From the contaminated surface water lagoons

	Directly Associated Activity		
A8	Landfill gas flaring	Flaring of landfill gas for disposal in an appliance	Landfill gas arising from the landfill
A9	Surface water management prior to discharge to controlled waters	Management of site surface water system including drainage from the landfill	From surface water management system to point of entry to controlled waters
A10	Fuel storage	Storage of fuel for operation of plant and equipment	Fuel storage tank/bowser

	Description of activities for waste operations	Limits of activities
A11	D14; Repackaging prior to submission to any of the operations numbered D1 to D13 D15; Storage of non-hazardous waste pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	All bulking or transfer of waste must be on an impermeable engineered containment area with sealed drainage. All waste must be kept on an impermeable engineered containment area with sealed drainage as shown on drawing DIS/020/001 Revision H. Permitted waste types and maximum quantities to be as specified in Schedule 3 Table S3.4.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to questions, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form; Volumes I, II and III of the application; Excluding the following parts of the application:- Response to question B2.1.1 in part B of the Application Form Response to question B2.1.2 in relation to cell 2 only in part B of the application form Appendix 1 Waste Acceptance and Deposition and Landfill Body Monitoring Procedures Appendix 8 CWM 'Special Waste Acceptance Procedure'. NHA 13/5/99; Section A – ESID Report parts: 2.7 (Waste Transfer Station); 2.8 (Fridge Store); 2.9 (Tyre Store); 2.10 (Chem Store); 2.11 (Clinical Waste Store); 2.12 (Household Waste Recycling Centre). Section A – ESID Report part 2.1.2.1(Proposed Waste Types and Quantities ESID 4 dated 6 May 2004	09/05/04
Further information submitted in response to the Schedule 4 Notice date 18/3/05;	All parts	20/04/05 (Section A-D) and 03/05/2005 (Section E)
Further information submitted in response to RFI dated 16/5/05	All parts	26/05/2005
Further information submitted in response to RFI dated 7/6/05;	All parts	24/06/2005
Further information submitted in response to RFI dated 23/6/05	All parts	01/07/2005
Variation Application KP3134XL	All parts except; Distington Landfill Liquid Waste Treatment Facility Waste Acceptance Procedure Version A.1	25/02/2008
Further information submitted in response to RFI	All parts and amended Application Form Part C, page 2.	07/03/2008
Variation Application EP3335GH dated 6 October 2008	The response to question 2b (confirmation that accident management in place only) in part B of the application form.	06/10/2008
Further information submitted in response to Notice Requiring Further Information dated 27 May 2009	The responses to questions 4, 5, 8, 9, 10, 13, 26, 28, 29 and 30. Appendix 3 'Environmental Risk Assessment Distington Temporary Waste Transfer Facility' Appendix 4 'Site Closure Plan Distington Temporary Waste Transfer Facility'	06/07/2009

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Further information submitted in response to Notice Requiring Further Information dated 27 May 2009	The responses to questions 3, 11, 15, 16 – except that references to 'drawing DIS/020/001 Revision F' shall be read as 'drawing DIS/020/001 Revision H' (which was submitted on 6 October 2009).	27/07/2009
Further information submitted in response to letter of 11 September 2009	Waste Acceptance, Deposition and Removal Procedures Distington, Flusco and Hespin Wood Landfill Sites and Distington Temporary Waste Transfer Facility	29/09/2009
Further information submitted in response to email of 28 September 2009	Drawing DIS/020/001 Revision H	06/10/2009
Revised Drawing ESID 4 to reflect change in operating techniques	Drawing ESID 4 Revision C	26/10/2009
Surface Water Management Plan Version A.2	All parts	07/01/2010
Landfill Gas Management Plan Version A.2	All parts	14/04/2010
Distington Landfill Site Liquid Waste Treatment Facility Waste Acceptance Procedure Version A.5	All parts	19/04/2010

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
7	The Operator shall undertake an assessment of the impact on the water environment from emissions of effluent to sewer following the commencement of the treatment of liquid wastes other than leachate from Distington Landfill. The operator shall use the methodology prescribed in the Agency's guidance 'Environmental Assessment and Appraisal of BAT' (Ref. IPPC H1) in making this assessment. The Operator shall identify substances present in the effluent that are considered significant, and submit proposed emission limit values for these substances in the form of a report. Flow rate must also be considered as part of this assessment. The report shall also include an effluent monitoring plan for any key substances identified and an action plan to reduce releases of those substances that are considered significant as part of the H1 Assessment. The operator shall implement any improvements or measures as agreed in writing with the Environment Agency. The proposals shall be implemented by the Operator from the date of approval in writing by the Agency. The Operator shall assess and justify the actual maximum flow rate and maximum daily volume required for the treated leachate discharge to sewer. Following this any new maximum flow rate and the sample data shall be used to re-assess the impacts of the discharge using the H1 model.	Monitoring to be completed by 26 February 2010 Report to be submitted by 26 May 2010
12	The operator shall review the site management systems to ensure that they apply to the construction and operation of the Temporary Waste Transfer Station. The operator shall provide the Environment Agency with a report summarising the findings of the review.	Within 6 months of the commencement of the activity referenced in schedule 1, table S1.1 as A11.
13	The operator shall produce as built drawings for the Temporary Waste Transfer Station showing the location of all pipes, drains and structures. The drawing shall be incorporated into the Site Protection and Monitoring Programme required by condition 2.11.1	Within one month of the TWTS works being completed
14	The operator will produce a Hydrogeological Risk Assessment) for the Leachate Treatment Lagoons (as previously required under IC 8b) to the satisfaction of the Environment Agency. The report will contain recommendations and timescales for improvements to the lagoons or associated monitoring infrastructure if required. The timescale for completing these recommendations and improvements will be agreed with the Environment Agency.	Report to be submitted by 31/07/10
15	The operator will undertake a review of the carbon dioxide trigger level for gas borehole GA2. The results of this review will be reported to the Environment Agency. This review will include intensive monitoring at GA2 for those parameters specified in table S4.6 and also flow (l/hr) and balance gas concentrations (% v/v). Should any improvements be identified for site infrastructure following this review then these will be undertaken to a timescale agreed with the Environment Agency.	Report to be submitted by 01/05/2011

Table S1.4 Pre-operational measures for the Temporary Waste Transfer Facility		
Reference	Operation	Pre-operational measures
1	Prior to the construction of the Temporary Waste Transfer Facility	The operator shall submit for approval a method statement and CQA plan for the construction of the engineered impermeable area and the sealed drainage system . No construction works will commence until these plans have been approved by the Environment Agency
2	Prior to the operation of the Temporary Waste Transfer Facility	The operator shall submit plans for the location and design of push walls to be used in the facility. These plans will be agreed in writing with the Environment Agency and the infrastructure will be installed prior to operation of the site.
3	Prior to the operation of the Temporary Waste Transfer Facility	The operator shall demonstrate to the satisfaction of the Environment Agency that an adequate system is in place for the emptying of the sealed tank. This system must be sufficiently robust to cover all reasonably foreseeable incidents associated with the emptying of the tank,.

Table S1.5 Annual waste input limits	
Category	**Limit Tonnes/ Year**
Non-hazardous waste for the landfill	120,000
Inert waste for the landfill	25,000

Schedule 2 - Site plan

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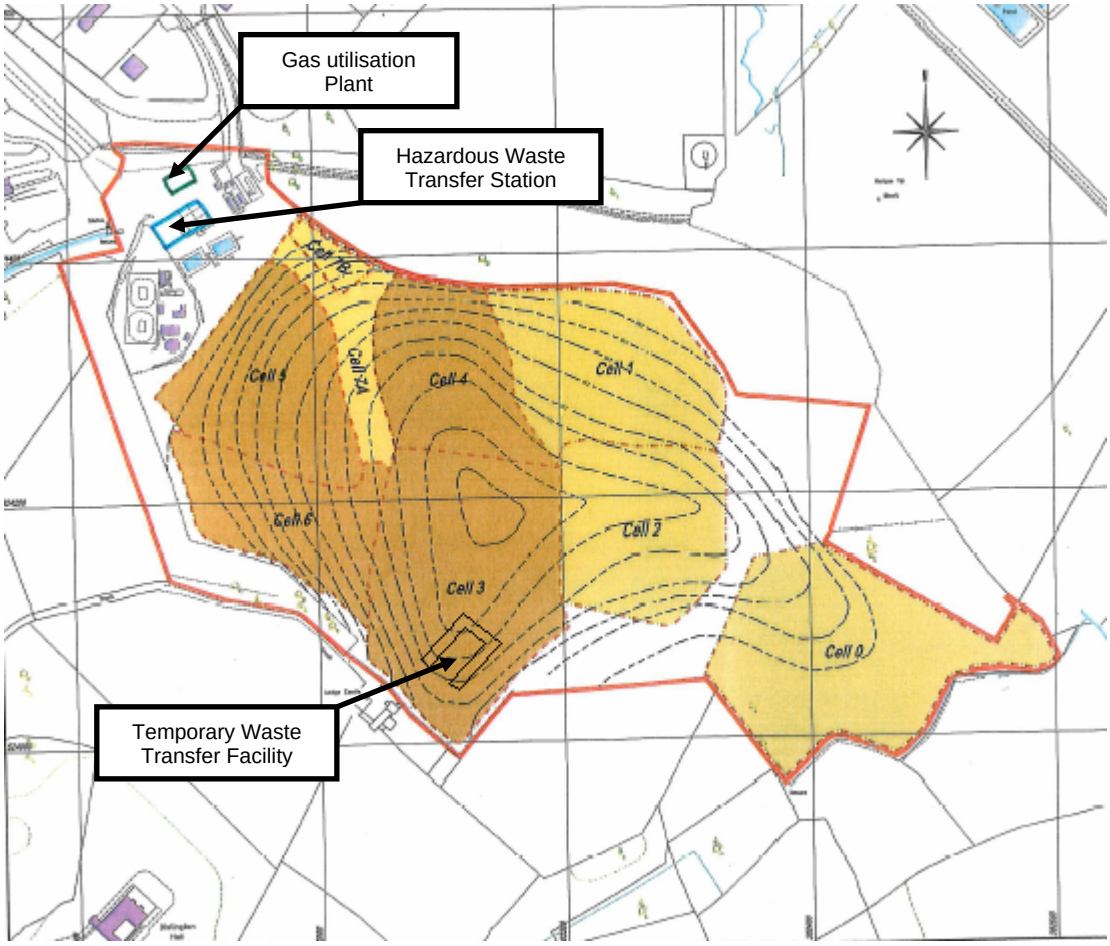

Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Oxygen	As detailed in Appendix 7 of Volume 3 of the Application or as otherwise agreed with the Agency
Sodium hydroxide	
Activated carbon	

Table S3.2 Permitted waste types and quantities for biological treatment in the Liquid Waste Treatment Facility	
Maximum quantity	750m^3/24 hours (273,750 m^3/year)
Waste code	**Description**
02	**WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishin**g
02 01 09	agrochemical waste other than those mentioned in 02 01 08 (aqueous only)
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 03	Materials unsuitable for consumption or processing (aqueous only)
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 04	Materials unsuitable for consumption or processing (aqueous only)
02 05	**wastes from the dairy products industry**
02 05 01	Materials unsuitable for consumption or processing (aqueous only)
02 06	**wastes from the baking and confectionery industry**
02 06 01	Materials unsuitable for consumption or processing (aqueous only)
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 (aqueous only)
02 07 02	wastes from spirits distillation (aqueous only)
02 07 03	wastes from chemical treatment (aqueous only)
02 07 04	Materials unsuitable for consumption or processing (aqueous only)
04	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
04 01	**wastes from the leather and fur industry**
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium (aqueous only)
04 02	**wastes from the textile industry**
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 (aqueous only)
05	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**
05 01	**wastes from petroleum refining**
05 01 14	wastes from cooling columns
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 (aqueous only)
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 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17 (aqueous only)
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

Table S3.2 Permitted waste types and quantities for biological treatment in the Liquid Waste Treatment Facility	
Maximum quantity	750m^3/24 hours (273,750 m^3/year)
Waste code	**Description**
08 02	**wastes from MFSU of other coatings (including ceramic materials)**
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
08 03	**wastes from MFSU of printing inks**
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products)**
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 26	wastes from cooling-water treatment
10 02	**wastes from the iron and steel industry**
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 03	**wastes from aluminium thermal metallurgy**
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
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 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06	**wastes from copper thermal metallurgy**
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 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
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, phosphatising, alkaline degreasing, anodising)**
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	degreasing wastes other than those mentioned in 11 01 13
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 04	**vitrified waste and wastes from vitrification**
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 06	**wastes from anaerobic treatment of waste**
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 07	**landfill leachate**
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 06	solutions and sludges from regeneration of ion exchangers (aqueous only)
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**Separately collected fractions (except 15 01)**

Table S3.2 Permitted waste types and quantities for biological treatment in the Liquid Waste Treatment Facility	
Maximum quantity	750m^3/24 hours (273,750 m^3/year)
Waste code	**Description**
20 01 08	biodegradable kitchen and canteen waste (aqueous only)
20 01 30	detergents other than those mentioned in 20 01 29 (aqueous only)
20 03	**other municipal wastes**
20 03 03	street-cleaning residues (aqueous only)
20 03 06	waste from sewage cleaning (aqueous only)

Table S3.3 Permitted waste types and quantities for physico-chemical treatment in the carbon absorption plant in the Liquid Waste Treatment Facility	
Maximum quantity	750m^3/24 hours (273,750 m^3/year**)**
Waste code	**Description**
	liquid wastes arising from biological treatment in the Liquid Waste Treatment Facility

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
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 09	red mud from alumina production other than the wastes mentioned in 01 03 07
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 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 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

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 03	materials unsuitable for consumption or processing
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 fermentatio**n
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
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 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
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 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
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
04	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
04 01	**wastes from the leather and fur industry**
04 01 02	liming waste
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 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 14	wastes from cooling columns
05 01 17	bitumen
05 06	**wastes from the pyrolytic treatment of coal**
05 06 04	waste from cooling columns
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 S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
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
07	**WASTES FROM ORGANIC CHEMICAL PROCESSES**
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 17	wastes containing silicones other than those mentioned in 07 02 16
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 14	solid wastes other than those mentioned in 07 05 13
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 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 03	**wastes from MFSU of printing inks**
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products)**
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
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 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
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
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 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

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
10 05	**wastes from zinc thermal metallurgy**
10 05 01	slags from primary and secondary production
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
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 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 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**
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 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 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 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 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
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing
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 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
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, phosphatising, 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
12	**WASTE 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 03	Non-ferrous metals filings and turnings
12 01 05	Plastics shavings and turnings
12 01 13	Welding wastes
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 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 06	End-of-life vehicles, containing neither liquids nor other hazardous components
16 01 12	Brake pads other than those mentioned in 16 01 11
16 01 16	Tanks for liquefied gas
16 01 17	Ferrous metal
16 01 18	Non-ferrous metal
16 01 19	Plastic
16 01 20	Glass

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
16 01 22	Components not otherwise specified
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 05
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 05	**gases in pressure containers and discarded chemicals**
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 06	**Batteries and Accumulators**
16 06 04	Alkaline batteries (except 16 06 03)
16 06 05	Other batteries and accumulators
16 08	**spent catalysts**
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)
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 08	

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
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
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)
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 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 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 03	**Stabilised/Solidified wastes**
19 03 05	Stabilised waste 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
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 05	saturated or spent ion exchange resins
19 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 06	other fractions other than those mentioned in 19 10 05
19 12	**Wastes from the mechanical treatment of waste (for examples sorting, crushing, compacting, palletising) 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)

Table S3.4 Permitted waste types and quantities for the Temporary Waste Transfer Station	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Exclusions	Waste having any of the following characteristics shall not be accepted: ▪ Consisting solely or mainly of dusts, powders or loose fibres ▪ Wastes that are in a form that is either a sludge or a liquid ▪ Malodourous wastes
Waste code	**Description**
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
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 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 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 07	bulky waste

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert 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 07
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 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
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 fermentatio**n
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

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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
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 S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert 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	wastes 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
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 waterproofing 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**

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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
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 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
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**
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

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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
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, phosphatising, 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

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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
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 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 05	**gases in pressure containers and discarded chemicals**
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 08	**spent catalysts**
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)
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

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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
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 01 07	chemicals other than those mentioned in 18 01 06
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 waste other than those mentioned in 19 03 04
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 07	**Landfill Leachate**
19 07 03	Landfill leachate other than those mentioned in 19 07 02
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 01	screenings
19 08 02	waste from desanding
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

Table S3.5 Permitted waste types and quantities for landfill	
Maximum quantity	120,000 tonnes/Year non-hazardous waste 25,000 tonnes/Year inert waste
Waste code	**Description**
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 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**
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 32	medicines other than those mentioned in 20 01 31
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 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

Schedule 4 – Emissions and monitoring

Table S4.1 Leachate level limits and monitoring requirements

Monitoring point reference/ Description	Limit	Monitoring frequency	Monitoring method
Cells 1 and 2 – leachate is presently monitored and abstracted in the LPC Cell 3 LMC 3A Cell 4 LMC4A Cell 5 LMC 5A Cell 6 LMC6A Cell 7 LMC7A As indicated on Drawing ESID7A	1m above cell base	Monthly	

Table S4.2 Point source emissions to air – emission limits and monitoring requirements

Emission point Ref. & Location	Parameter	Source	Limit (including unit) [b]	Reference Period	Monitoring Frequency	Monitoring Standard or Method [a]
A3 Landfill Gas Flare operated by CWM adjacent to the GUP (GUP operated under separate permit GP3632PY) as shown on Figure 2.	Oxides of Nitrogen as NO_2 [c]	Landfill Gas Flares	150 mg/m3	Hourly mean	Annually	ISO 10849
	CO		100 mg/m3			ISO 12039
	Total VOCs		10 mg/m3			BS EN 12619[d] or BS EN 13526[e]
	NMVOCs		5 mg/m3			BS EN 13649
	Operational Temperature		>1000°C		Weekly while flare is operational	

Footnote: Annual monitoring is only required when flares operate in excess of 10% of the time, taken on an annual assessment period.'

[a] *Technical Guidance Note M2 (Environment Agency, 2002b)*

[b] *These limits are based on normal operating conditions and load. Temperature 0 C(273K); pressure:101.3kPa; and oxygen:3% dry gas). For more information, see Section 9.3 of the Agency's, "Guidance for monitoring enclosed landfill gas flares" (LFTGN05)*

[c] *NOX expressed as NO_2*

[d] *At sites with low VOC concentrations*

[e] *At sites with low to moderate VOC concentrations*

Table S4.3 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**
Weir/ sampling point on Drawing No:17/30/196P/3	Suspended Solids	Site drainage arising from an area of no more than 80,000 square metres on the southern side of the site via a lagoon treatment system.	75mg/l or 150mg/l after exceptional rainfall defined as "40mm of rainfall falling within any 24 hour period during the 48 hours preceding a sample being taken".	Spot sample	Monthly	
	Oil and grease		None visible	Spot sample	Monthly	Visual inspection
	pH		The Ph value shall not be greater than 9 or less than 6.	Spot sample	Monthly	Not specified
	Flow rate		<= 12 litres per second.	Continuous	Monthly	A recording system shall be provided, operated and maintained to record the instantaneous flow rate of the site drainage discharge.

Table S4.4 Point source emissions to sewer, effluent treatment plant or by tankering or other transfer off-site– emission limits and monitoring requirements

Emission point Ref. & Location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
Discharge point to sewer TP3 as detailed on Drawing ESID7B	Phenol	Leachate Treatment Plant including Leachate Storage Area and Contaminated Surface Water.	5mg/l [1]	Spot sample	Quarterly	In accordance with the Agency's M18 Guidance, "Monitoring of Discharges of water and sewer", July 2004
	Cyanide and cyanogens compounds		1mg/l [1]	Spot sample	Quarterly	
	Toxic metals (either individually or in total i.e. Antimony, Beryllium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Vanadium, Zinc)		10mg/l [1]	Spot sample	Quarterly	
	Cadmium		20µg/l [1]	Spot sample	Quarterly	
	Volume		750m3 in 24 hours [1]	Daily total	Quarterly	
	Maximum flow rate		<12 l/s [1]	Daily maximum	Quarterly	

Note 1 – Limits are interim until review of H1 assessment in accordance with Improvement Condition 7.

Table S4.5 Trigger levels for emissions into groundwater and monitoring requirements

Monitoring point reference	Parameter	Limit (including unit) mg/l	Reference Period	Monitoring frequency	Monitoring standard or method
GW4S, GW5S, GW6S, GW6D, GW7S, GW7I, GW7D, GW8S, GW8D, GW9S, GW9D, GW10D, GW11S, GW11D, GW11SB. as detailed on Drawing ESID11	Chloride	250	Spot sample	Monthly	In accordance with the Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02)
	Ammoniacal Nitrogen	1.5		Monthly	
	Nickel	0.07		Quarterly	
	Phenol	0.0005		Annually	
	Mercury	0.0003		Annually	
	Toluene	0.004		Annually	
	Phenanthrene	0.0001		Annually	

Note 1: Should there be an exceedance of a groundwater trigger level then the monitoring frequency shall be increased from annually to quarterly; quarterly to monthly & monthly to weekly

Table S4.6 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard or method**
GA1	Methane	1 %v/v	Monthly	In accordance with the Agency's Guidance on the Management of Landfill Gas (LFTGN03)
	Carbon Dioxide	1.5 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA2	Methane	1 %v/v	Monthly	
	Carbon Dioxide	4.7 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA3	Methane	1 %v/v	Monthly	
	Carbon Dioxide	2 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA4	Methane	1 %v/v	Monthly	
	Carbon Dioxide	1.5 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA5	Methane	1 %v/v	Monthly	
	Carbon Dioxide	3 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA6	Methane	1 %v/v	Monthly	
	Carbon Dioxide	3 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
GA7	Methane	1 %v/v	Monthly	
	Carbon Dioxide	4 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		

Table S4.7 Landfill gas from capped surfaces - monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Monitoring frequency**	**Other specifications**	**Monitoring Standard or method**
Permanently capped zone	Average Methane flux	Annually	Where a rate of 0.001 mg/m^2/second is exceeded appropriate measures must be taken to reduce the rate.	As per LFTGN 07 or as otherwise agreed in writing by the Agency*.
Temporarily capped zone	Average Methane flux	Annually	Where a rate of 0.1 mg/m^2/second is exceeded appropriate measures must be taken to reduce the rate.	As per LFTGN 07 or as otherwise agreed in writing by the Agency*.

Footnote * If a cap has previously been shown compliant and there have been no significant physical changes in the gas management during the year, a detailed walkover survey can be used to demonstrate that the surface emissions are under control. If this survey shows no change in the pattern of methane emission, it may be used as the annual survey. The values for flux and total methane emissions measured in the previous year may be reported and a fresh flux box survey is not necessary. If the zone remains stable, the results of a full walkover survey may be accepted as the site report for a period of four years before a further quantitative flux box survey is required.

Table S4.8 Landfill gas – other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
All in waste monitoring boreholes (Collection Wells / Monitoring wells within the landfill)	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Differential pressure Meteorological Data Hydrogen Sulphide	Monthly	In accordance with the Agency's Guidance on the Management of Landfill Gas (LFTGN03)	
Gas collection system at well control valve and manifolds on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Differential pressure Gas flow rate or suction Hydrogen Sulphide % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	At frequencies specified in table 5.4 of LFTGN 03		Where the Oxygen level exceeds 5% or where the addition of the Carbon Dioxide and Methane percentages is less than 80%, 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.
Input to LFG Flare /Utilisation Compound	Trace gas analysis in accordance with LFTGN04.	Annually		The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Input to Flare / LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Annually		Where the Oxygen level exceeds 5% or where the addition of the Carbon Dioxide and Methane percentages is less than 80%, an assessment of air ingress into the system shall be undertaken.

Table S4.9 Leachate– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Cells 1 and 2 – leachate is presently monitored and abstracted in the LPC Cells 3 LMC 3A Cell 4 LMC-4A Cell 5 LMC 5A Cell 6 LMC6A Cell 7 LMC7A as indicated on Drawing ESID7A	pH	Quarterly	In accordance with the Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02)	Limits of detection to be agreed with the Agency
	Temperature	Quarterly		
	EC	Quarterly		
	Ammoniacal Nitrogen	Quarterly		
	Chloride	Quarterly		
	COD	Quarterly		
	TOC	Quarterly		
	BOD	Quarterly		
	Sulphate	Quarterly		
	Alkalinity	Quarterly		
	Nitrate (for TON)	Quarterly		
	Nitrite (for TON)	Quarterly		
	Sodium	Quarterly		
	Potassium	Quarterly		
	Calcium	Quarterly		
	Magnesium	Quarterly		
	Iron	Quarterly		
	Manganese	Quarterly		
	Copper	Quarterly		
	Chromium	Quarterly		
	Lead	Quarterly		
	Nickel	Quarterly		
	Zinc	Quarterly		
	Ionic balance	Quarterly		
	Cadmium	Annually	For all List 1 substances, analysis shall be carried out in accordance with Appendix 6 of the Agency's 'Hydrogeological Risk Assessments for Landfills' (LFTGN01)	
	Mercury	Annually		
	Arsenic	Annually		
	Atrazine	Annually		
	Combined acid herbicide	Annually		
	Dichloroprop	Annually		
	Mecoprop	Annually		
	Mineral oils	Annually		
	Napthalene	Annually		
	Phenol	Annually		
	Speciated Poly Aromatic Hydrocarbons (PAH's)	Annually		
	Total Petroleum Hydrocarbons (TPH's)	Annually		
	Volatile fatty acids	Annually		
	Benzene	Annually		
	Toluene	Annually		
	Ethylbenzene	Annually		
	Xylenes	Annually		

Table S4.9 Leachate– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Pentachlorophenol (PCP)	Annually		
	Phenanthrene	Annually		
	List 1 screen for substances not already detailed in this Table.	Annually		

Table S4.10 Surface water– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Rain gauge as detailed in Appendix 9, Meteorological Monitoring Plan, Volume III of the Application	Rainfall (Monitoring method: tipping bucket)	Daily	In accordance with the Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02)	Limits of detection – to be agreed with the Agency
SW1 – entrance of Distington Beck to culvert at northeast of site, Drawing ESID11. SW3 – manhole access to disused tributary of Distington Beck, Drawing ESID11. SW5 – Point of exit of Distington Beck for culvert at northwest part of site, Drawing ESID11.	pH	Monthly		
	Temperature	Monthly		
	EC	Monthly		
	Dissolved Oxygen	Monthly		
	Ammoniacal Nitrogen	Monthly		
	Chloride	Monthly		
	COD	Monthly		
	Suspended Solids	Quarterly		
	TOC	Quarterly		
	BOD	Quarterly		
	Sulphate	Quarterly		
	Alkalinity	Quarterly		
	Nitrate (for TON)	Quarterly		
	Nitrite (for TON)	Quarterly		
	Sodium	Quarterly		
	Potassium	Quarterly		
	Calcium	Quarterly		
	Magnesium	Quarterly		
	Iron	Quarterly		
	Manganese	Quarterly		
	Copper	Quarterly		
	Chromium	Quarterly		
	Lead	Quarterly		
	Nickel	Quarterly		
	Zinc	Quarterly		
	Ionic balance	Quarterly		
	Cadmium	Annually		

Table S4.10 Surface water– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Mercury	Annually		
	Arsenic	Annually		
	Atrazine	Annually		
	Combined acid herbicides	Annually		
	Dichloroprop	Annually		
	Mecoprop	Annually		
	Mineral oils	Annually		
	Napthalene	Annually		
	Phenols	Annually		
	Speciated Poly Aromatic Hydrocarbons (PAH's)	Annually		
	Total Petroleum Hydrocarbons (TPH's)	Annually		
	Volatile fatty acids	Annually		
	Benzene	Annually		
	Toluene	Annually		
	Ethylbenzene	Annually		
	Xylenes	Annually		
	Pentachlorophenol (PCP)	Annually		
	Phenanthrene	Annually		
	Any List 1 substance found above the MRV screening limits in any of the most recent 3 annual screening occasions required by Table S4.9.	Annually		

Table S4.11 Groundwater– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
GW4S, GW5S, GW6S, GW6D, GW7S, GW7I, GW7D, GW8S, GW8D, GW9S, GW9D, GW10D, GW11S, GW11D, GW11SB As detailed on ESID11	pH	Monthly	In accordance with the Agency's "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water" (LFTGN02)	Limits of detection to be agreed with the Agency
	Temperature	Monthly		
	EC	Monthly		
	Dissolved Oxygen	Monthly		
	Ammoniacal Nitrogen	Monthly		
	Chloride	Monthly		
	COD	Quarterly		
	TOC	Quarterly		
	BOD	Quarterly		
	Sulphate	Quarterly		
	Alkalinity	Quarterly		
	Nitrate (for TON)	Quarterly		
	Nitrite (for TON)	Quarterly		
	Sodium	Quarterly		
	Potassium	Quarterly		
	Calcium	Quarterly		
	Magnesium	Quarterly		
	Iron	Quarterly		
	Manganese	Quarterly		
	Copper	Quarterly		
	Chromium	Quarterly		
	Lead	Quarterly		
	Nickel	Quarterly		
	Zinc	Quarterly		
	Ionic balance	Quarterly		
	Cadmium	Annually		
	Mercury	Annually		
	Arsenic	Annually		
	Atrazine	Annually		
	Combined acid herbicide	Annually		
	Dichloroprop	Annually		
	Mecoprop	Annually		
	Mineral oils	Annually		
	Napthalene	Annually		
	Phenols	Annually		
	Speciated Poly Aromatic Hydrocarbons (PAH's)	Annually		
	Total Petroleum Hydrocarbons (TPH's)	Annually		
	Volatile fatty acids	Annually		
	Benzene	Annually		
	Toluene	Annually		
	Ethylbenzene	Annually		
	Xylenes	Annually		
	Pentachlorophenol (PCP)	Annually		

Table S4.11 Groundwater– other monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
	Phenanthrene	Annually		
	Organotin compounds	Annually		
	Any List 1 substance found above the MRV screening limits in any of the most recent 3 annual screening occasions required by Table S4.9.	Annually		
GW10D, GW12, GW13, GW14, GW15, GW16 As detailed on drawing SPMP3 in the SPMP dated November 2008	Ammoniacal Nitrogen Chloride Nitrate Nickel Mecoprop	Quarterly		

Schedule 5 - Reporting

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

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Leachate levels As required by condition 3.7.1 and Table S4.1	Leachate level monitoring points: LPC (Cells 1 and 2), LMC3A (Cell3), LMC4A, (Cell4), LMC5A (Cell5), LMC6A (Cell6), LMC7A (Cell7)	Every 3 months	17/10/05
Emissions to air Parameters as required by condition 3.7.1 and Table S4.2	A3	Every 12 months	17/10/05
Emissions to water Parameters as required by condition 3.7.1 and Table S4.3	Weir/sampling point on Drawing No: 17/30/196P/3	Every 3 months	17/10/05
Emissions to Sewer Parameters as required by condition 3.7.1 and Table S4.4	Discharge point to sewer TP3 as detailed on Drawing ESID7B	Every 3 months	17/10/05
Groundwater Parameters as required by condition 3.7.1 and Table S4.5	All groundwater monitoring boreholes Phenol, Mercury, Toluene, Phenanthrene	Every 3 months Every 12 months	17/10/05
Landfill gas surface emissions Parameters as required by condition 3.7.1 and Table S4.7	Permanently capped zone, temporarily capped zone	Every 12 months	17/10/05
Landfill gas lateral migration Parameters as required by condition 3.7.1 and Table S4.6	GA1, GA2, GA3, GA4, GA5, GA6, GA7	Every 3 months	17/10/05
Other Landfill gas monitoring Parameters as required by condition 3.7.1 and Table S4.8	In-waste gas collection wells / monitoring wells) Gas collection system at well control valve and manifolds on gas system Input to Flare / LFG Utilisation Compound (Trace gas analysis) Input to Flare / LFG Utilisation Compound	Every 3 months Every 3 months Every 12 months Every 12 months	17/10/05
Other leachate monitoring Parameters as required by condition 3.7.1 and Table S4.9 List I substances	Leachate level monitoring points: LPC (Cells 1 and 2), LMC3A (Cell3), LMC4A (Cell4), LMC5A (Cell5), LMC6A (Cell6), LMC7A (Cell7)	Every 3 months Every 12 months	17/10/05

Table S5.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Other surface water monitoring Parameters as required by condition 3.7.1 and Table S4.10 List I substances	Rain gauge SW1, SW3, SW5 as detailed on drawing ESID11	Every 3 months Every 12 months	17/10/05
Other groundwater monitoring Parameters as required by condition 3.7.1 and Table S4.11 List I substances	All groundwater monitoring boreholes	Every 3 months Every 12 months	17/10/05

Table S5.2 Annual production/treatment	
Leachate: **Disposed of off site;** **Disposed of to any onsite effluent treatment plant;** **Recirculated into the waste mass.**	**Cubic metres/year**
Surface water and/ or groundwater: **Disposed of off site;** **Disposed of to any onsite effluent treatment plant.**	**Cubic metres/year**
Landfill gas: **combustion in flares;** **combustion in gas engines;** **Other methods of gas utilisation.**	**Normalised cubic metres/year**

Table S5.3 Performance Parameters			
Parameter	**Frequency of assessment**	**Annual total**	**Unit**
Energy used (including for leachate treatment)	Annually		MWh of electricity
Water usage	Annually		tonnes
Total raw materials used	Annually		tonnes

Table S5.4 Reporting Forms		
Media/parameter	**Reporting Format**	**Date of Form**
Leachate	From leachate 1 or other reporting format to be agreed in writing with the Agency	
Air	Form Air 1 or other reporting format to be agreed in writing with the Agency	
Water	Form Water 1 or other reporting format to be agreed in writing with the Agency	
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Agency	
Sewer	Form Sewer 1 or other reporting format to be agreed in writing with the Agency	
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Agency	
Waste Return	Waste Return Form RATS2E or other reporting format to be agreed in writing with the Agency	
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Agency	
Water usage	Form water usage1 or other form as agreed in writing by the Agency	
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	

Schedule 6 - Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

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

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

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

Part B - to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Cumbria Waste Management Limited.

Schedule 7 - Interpretation

"Accident" means an accident that may result in pollution.

"Accident management plan" means a documented procedure (or procedures) that set out the measures necessary to prevent accidents occurring within the permitted installation, during both normal and abnormal operations, and limit the consequences to human health or the environment of any such accidents that do occur.

"Annually" means once every year.

"Annex IIA" means Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"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 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.

"*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.

"*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.

"D" means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"Disposal" means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"Emissions to land", includes emissions to groundwater.

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations S.I. 2010 No. 675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"Fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission or background concentration limit.

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

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

"*Land Protection Guidance*" means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: Application site report and site protection monitoring programme".

"*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, September 2004.

"*LFTGN 08*" means Environment Agency Guidance for monitoring landfill gas engines, September 2004.

"*Liquids*" means any liquid other than leachate within the engineered landfill containment system.

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"*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.

"Quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"R" means a recovery operation provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"Recovery" means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"*Relevant person*" and "*relevant conviction*" shall have the meanings given to them in the Environmental Protection Act 1990.

"*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.

"*Site Protection and Monitoring Programme*" means a document which meets the requirements for Site Protection and Monitoring Programmes described in the Land Protection Guidance.

"*Technically competent management*" and "*technical competence*" shall have the meanings given to them in the Environmental Protection Act 1990.

"Temporary Waste Transfer Facility" means the activity referenced in schedule 1, table S1.1 as A11.

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

"WFD" means Waste Framework Directive (Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste).

"*Year*" means calendar year ending 31 December.

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

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

END OF PERMIT