



**ENVIRONMENT
AGENCY**

Permit with introductory note

**Pollution Prevention and Control (England and Wales) Regulations 2000
Landfill (England and Wales) Regulations 2002**

**Ffridd Rasmus Landfill Site Areas 1 and 3
Gwynedd Council
Morfa Road
Harlech
Gwynedd
LL46 2UW**

Permit number

GP3330BY

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 6 of the Landfill (England and Wales) Regulations 2002 (S.I.2002 No.1559) ("the Landfill Regulations") and Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended, ("the PPC Regulations") to operate an installation carrying out activities covered by the description in Section 5.2 A(1)(a) and Section 5.3 A(1)(c)(ii) in Part 1 to Schedule 1 of the PPC Regulations, to the extent authorised by the Permit:

- (a) The disposal of waste in a landfill receiving more than 10 tonnes of waste in any day or with a total capacity of more than 25,000 tonnes, excluding disposals in landfills taking only inert waste.
- (b) The disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment.

There may be some activities on the installation 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 installation, 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.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows:

Ffridd Rasmus Landfill is a non-hazardous landfill which has been in operation since 1981. The site consists of three areas:

Area 1 comprises the weighbridge, site control office, waste pulveriser building, fuel tank, garage and fridge storage area. The proposed civic amenity site will also be within Area 1. This Permit applies to activities in Area 1 with the exception of the fridge storage area and the proposed civic amenity site. The PPC regime does not cover such activities.

Area 2 is the area of historic deposit of non-hazardous waste which has been carried out under a waste management licence. Area 2 formed part of a separate PPC Permit Application (Ref. AP3230BZ) and does not form part of the installation covered by this Permit. This Permit therefore does not apply to Area 2.

Area 3 is for future deposit of non-hazardous waste and will be physically separated from the existing wastes in Area 2 by an engineered separation bund. The base, sides and cap of Area 3 will be engineered in compliance with the Landfill Regulations 2002. Activities in Area 3 are controlled by the conditions in this Permit.

Area 3 is divided into 7 cells and is permitted to accept up to 25,000 tonnes per year of non-hazardous wastes.

Landfill leachate will be extracted from the waste mass and stored in a leachate holding tank before being removed from the site by tanker to a suitably licensed facility.

Landfill gas will be actively extracted from the waste mass and combusted in a landfill gas flare. Emission limits to air are included in the conditions of this Permit.

Any surface water from operational cells within Area 3 the site will be treated in the same way as landfill leachate. As filling progresses and the cells are completed and capped the uncontaminated run off from the engineered cap will be directed to a proposed surface water lagoon to the north of the site. It is the Operators intention to apply to vary the Permit to include this activity when it is required. Surface water from the hardstanding area in Area 1 will be discharged to the watercourse along the northern boundary of the site via an oil and petrol interceptor. It is a requirement of this Permit that the quality of this discharge is monitored.

Note that the Permit requires the submission of certain information to the Agency (see Sections 4 and 5). In addition, the Agency has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Not Applicable		

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
Waste Management Licence	NOW-07-L The parts of the licence relating to activities in Areas 1 & 3 only have been superseded.	18/04/97

Other non-PPC activities may take place on the site of this installation which are not regulated under this Permit or any other PPC 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
Waste Management Licence (Area 2 - outside Installation boundary)	NOW-07-L The parts of the licence relating to activities in Area 2 only will continue under the Waste Management Licence.	18/04/97

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the Agency serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Agency that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. As the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be "a fit and proper person" as required by the PPC Regulations.

Talking to us

Please quote the Permit Number if you contact the Agency about this Permit.

To give a Notification under condition 5.1.1, the Operator should use the Incident Hotline telephone number (0800 80 70 60) or any other number notified in writing to the Operator by the Agency for that purpose.

Status Log

Detail	Dates
Application GP3330BY	Received 8 th November 2004
Request to extend determination	Request dated 24 th May 2005 Response dated 6 th June 2005
Response to Schedule 4 Notice	Request dated 4 th July 2005 Response dated 10 th August 2005
Response to request for information	Request dated 4 th July 2005 Response dated 21 st July 2005
Revised Surface water management plan	Letter dated 10 th August 2005 Plan dated 9 th August 2005
Request to extend determination	Request dated 30 th September 2005 Response dated 4 th October 2005
Permit determined	31 st October 2005

End of Introductory Note.

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000
Landfill (England and Wales) Regulations 2002



**ENVIRONMENT
AGENCY**

Permit

Permit number
GP3330BY

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973), and Regulation 6 of the Landfill (England and Wales) Regulations 2002 (SI 2002 No.1559) hereby authorises **Gwynedd Council** ("the Operator"),

Of/ whose Registered Office (or principal place of business) is
Council Offices
Caernarfon
Gwynedd
LL55 1SH

Company registration number **N/A**

to operate an installation at
Ffridd Rasmus Landfill Site Areas 1&3
Morfa Road
Harlech
Gwynedd
LL46 2UW

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

The landfill authorised by this Permit is for the disposal of non-hazardous waste

Signed

Date

	31 st OCTOBER 2005
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Martin Jenkins

Authorised to sign on behalf of the Agency

Conditions

1. General

1.1 Permitted Activities

1.1.1 The Operator is authorised to carry out the activities and the directly associated activities specified in Table 1.1.1.

Table 1.1.1

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 5.2 Part A(1)(a). The disposal of waste in a landfill.	Landfill for non-hazardous waste (landfill classification under the Landfill Regulations 2002).	Receipt, handling, storage and disposal of non-hazardous wastes, consisting of the types and quantities specified in condition 2.1.3, as an integral part of landfilling.
Section 5.3, Part A(1)(c)(ii). The disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment.	Treatment of waste in a facility with a capacity of >50 tonnes/day pre-disposal in the landfill.	Treatment of waste in the Pulveriser (Area 1) on-site prior to disposal in the landfill (Area 3).
Associated Activity		
Leachate management	Storage of leachate.	Leachate arising from the Permitted landfill.
Landfill gas management	Flaring of landfill gas.	Landfill gas arising from the Permitted landfill.
Water discharges to controlled waters.	Discharge of site drainage from Area 1.	Drainage from hardstanding in Area 1 to point of entry to controlled waters
Fuel Storage	Storage of fuel.	Fuel for operation of plant and equipment required to operate the landfill.

1.1.2. Where waste on site is subjected to activities that are not subject to the Permit but are controlled under the Waste Management Licensing Regulations 1994 then the area of the Installation on which these activities take place shall be clearly identified and such waste shall be kept separate from the waste activities authorised by this permit. A record shall be kept of where such activities are conducted.

1.2 Site

1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in blue on the Site Plan at Schedule 5 to this Permit.

1.3 Overarching Management Condition

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a written management system and organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4 Improvement Programme

- 1.4.1. The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table and shall send written notification of the date of completion of each requirement to the Agency on submission or within 14 days of the completion of each such requirement.

Table 1.4.1: Improvement programme requirements		
Reference	Requirement	Date
1.4.1.1	<p>The Operator shall submit to the Agency proposals for the location, design, installation and monitoring of additional groundwater monitoring boreholes to ensure that they at a minimum spacing of every 100m around the entire perimeter of the Installation. The proposals shall be in accordance with Agency guidance document LFTGN02 'Guidance on monitoring of landfill leachate, groundwater and surface water'.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st February 2006
1.4.1.2	<p>The operator shall submit to the Agency borehole specific groundwater control and trigger levels using the first 12 months data obtained from the boreholes installed in accordance with improvement condition 1.4.1.1. Trigger and control levels shall be derived in accordance with Agency guidance document LFTGN01 'Hydrogeological risk assessment for landfills'.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	Within 15 months of installation of additional groundwater monitoring boreholes required by condition 1.4.1.1.
1.4.1.3	<p>The Operator shall review the groundwater monitoring data for all existing boreholes individually and submit to the Agency revised borehole specific control and trigger levels derived in accordance with Agency guidance document LFTGN01 'Hydrogeological risk assessment for landfills'.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st February 2006
1.4.1.4	<p>The Operator shall review all the information gathered from existing and new groundwater monitoring boreholes in order to clarify the hydrogeological conditions in the vicinity of the site. The Operator shall carry out a re-appraisal of the actual and conceptual hydrogeological conditions at the site. The Operator shall submit to the Agency a report on the revised conceptual model by the date specified in this improvement condition.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	Within 15 months of installation of additional groundwater monitoring boreholes required by condition 1.4.1.1.

Table 1.4.1: Improvement programme requirements		
Reference	Requirement	Date
1.4.1.5	<p>The Operator shall submit to the Agency a detailed leachate management plan. The plan shall include all the requirements of questions B2.2.16 and B2.2.17 in the application form and be prepared in accordance with the Agency guidance document LFTGN02 'Guidance on monitoring of landfill leachate, groundwater and surface water'.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st May 2006
1.4.1.6	<p>The Operator shall submit a management plan for the storage and handling of leachate. The plan should detail all procedures from leachate extraction to the leachate leaving the site by tanker.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st May 2006
1.4.1.7	<p>The Operator shall submit to the Agency a landfill gas management, monitoring and action plan. The plan shall be prepared in accordance with the Agency guidance document LFTGN03 'Guidance on the management of landfill gas'.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st March 2006
1.4.1.8	<p>The Operator shall review monitoring data for methane and carbon dioxide for all existing perimeter landfill gas monitoring boreholes and submit to the Agency appropriate borehole specific background levels. Background levels should be derived from data gathered before the commencement of waste deposition in Area 3.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	Prior to the acceptance of waste in Area 3.
1.4.1.9	<p>The Operator shall carry out further modelling of short-term surface emissions of hydrogen sulphide (as outlined in section 2.6 of the Landfill Gas Risk Assessment submitted with the Application) and submit the results, along with a report, to the Agency.</p>	1 st March 2006
1.4.1.10	<p>The Operator shall submit to the Agency a review providing full justification for the spacing of perimeter landfill gas boreholes having regard to the Agency guidance document LFTGN03 'Guidance on the management of landfill gas'. The location, design and monitoring regime of additional perimeter landfill gas monitoring boreholes found to be necessary by the review shall be submitted to the Agency by the date of this improvement condition.</p> <p>The Operator shall undertake any measures notified in writing by the Agency by the date indicated in the notification.</p>	1 st May 2006

1.4.2. Where the Operator fails to comply with any requirement by the date specified in Table 1.4.1 it shall send written notification of such failure to the Agency within 14 days of such date.

1.5 Minor Operational Changes

- 1.5.1 The Operator shall seek the Agency's written agreement to any minor operational changes under condition 2.1.1 of this Permit by sending to the Agency: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.5.2 Any such change shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Agency written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any such method(s) or techniques shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique and relevant provisions in the Application and the Site Protection and Monitoring Programme, as the case may be shall be deemed to be amended.

1.6 Pre-Operational Conditions

- 1.6.1 No disposal of wastes shall take place in any part of the Permitted Installation identified for non-hazardous waste where waste deposit commences after the issue of this Permit unless:
- 1.6.1.1 at least 4 weeks prior to the commencement of construction of that part the operator has submitted to the Agency in writing the detailed design, material specifications and the construction quality assurance (CQA) programme for the pre-operational engineering of the:
- barriers,
 - liners
 - leachate collection layer
 - leachate abstraction system
 - landfill gas extraction and management systems
 - separation bund/ layer
 - pipework
 - surface water drainage system
- for that part and that it is confirmed in writing by the Agency that these are in conformance with the relevant specifications set out in section 2 of Part B of the Application, any other specification agreed in writing by the Agency and any subsequent agreed change to the specification(s); and
- 1.6.1.2 the operator has notified the Agency in writing of any changes in the detailed design, material specifications, and the CQA programme that are to be made during the construction and in advance of those changes being made the Agency has agreed in writing that these are acceptable in relation to the relevant specifications set out in Part B of the Application any other specification agreed in writing by the Agency and any subsequent agreed changes under 1.6.1.1; and

- 1.6.1.3 the pre-operational engineering and infrastructure as listed in 1.6.1.1, have been completed and validated in accordance with the documented CQA procedures, and
- 1.6.1.4 the operator has submitted the validation report in writing to the Agency; and
- 1.6.1.5 the Agency has inspected the relevant part to ensure that it complies with the relevant conditions of the landfill permit, and has confirmed in writing that it has no objection to that part becoming operational.
- 1.6.1.6 the Operator has submitted a noise management and monitoring plan and this has been agreed in writing with the Agency.
- 1.6.1.7 the Operator has submitted a bird management plan and this has been agreed in writing by the Agency.
- 1.6.1.8 the Operator has submitted a contingency action plan, including possible corrective measures, if groundwater control and trigger levels are exceeded and this has been agreed in writing with the Agency.
- 1.6.2 Prior to the construction of any monitoring boreholes required by improvement conditions 1.4.1.1 and 1.4.1.10, the Operator shall submit to the Agency in writing a detailed design and documented construction quality assurance programme for the proposed installation.
- 1.6.3 The Operator shall notify the Agency in writing of any changes in the detailed design and construction quality assurance programme required by condition 1.6.2 within 5 working days of any change.
- 1.6.4 Any new monitoring boreholes required by improvement conditions 1.4.1.1 and 1.4.1.10 shall be installed in accordance with the relevant detail design and documented construction quality assurance programme.
- 1.6.5 The Operator shall submit a written validation report detailing the installation of any new monitoring boreholes to the Agency within 1 month of the installation.
- 1.6.6 Prior to the acceptance of waste, a Construction Quality Assurance Plan covering the final cap for each cell or phase shall be submitted in writing to the Agency. Following submission of this plan the Operator shall undertake any measures notified in writing by the Agency to the timescales indicated in the notification.
- 1.6.7 At least one month prior to the commencement of capping, details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the construction shall be submitted in writing to the Agency. Following submission of these details the Operator shall undertake any measures notified in writing by the Agency to the timescales indicated in the notification.
- 1.6.8 The engineered final cap for that cell or phase shall be constructed and recorded in accordance with the Construction Quality Assurance Plan.
- 1.6.9 Changes to the Construction Quality Assurance Plan, the quality assurance procedures and detailed method statements relating to the final cap shall not be implemented unless they have been modified in writing to the Agency, and the Agency has given its written consent to those changes.
- 1.6.10 Within one month following completion of the final cap for each cell, the Validation Report on the construction of the final cap for that cell shall be submitted in writing to the Agency.

1.7 Off-site Conditions

- 1.7.1 There are no off-site conditions.

2. Operating conditions

2.1 Landfilling Controls

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Landfill Application	The responses to questions 2.1, 2.2, 2.3, 2.4, 2.5, 2.7, 2.8, 2.9 and 2.11 of Part B of the Landfill Application Form excluding the answers to the following questions: • 2.1.5, 2.2.16, 2.2.17, 2.2.46, 2.2.47, 2.2.49, 2.2.50, 2.2.53 and 2.2.57.	8 th November 2004.
Pulveriser Application	The responses to all questions in Part B of the Pulveriser Application Form.	8 th November 2004.
Response to Schedule 4 Notice dated 4 th July 2005.	All parts of letter and enclosures.	Response dated 10 th August 2005.
Response to letter requesting further information dated 4 th July 2005.	All parts of letter and enclosures excluding revised drawings and revised surface water management plan.	Response dated 21 st July 2005.
Revised surface water management plan.	All parts of letter and enclosures.	Letter dated 10 th August 2005.

- 2.1.2 The non-landfill activities of the Permitted Installation shall, subject to the other conditions of this Permit, be operated using the techniques and in the manner described in the Site Protection and Monitoring Programme submitted under condition 4.1.7 of this Permit (as amended from time to time), or as otherwise agreed in writing by the Agency.
- 2.1.3 Wastes shall only be accepted for disposal on the site if they are listed in Schedule 6, all relevant waste acceptance procedures have been completed and the waste is in the 'category or type' permitted in table 2.1.2 below;

Table 2.1.2 : Wastes accepted for disposal	
Waste Category or Type	Permitted or not Permitted
Hazardous	Not Permitted
Non-hazardous	Permitted.
Stable non-reactive hazardous	Not Permitted.
Asbestos and construction materials containing asbestos	Not Permitted.
Gypsum (and other high sulphate bearing waste)	Not Permitted
Inert	Permitted
Liquid wastes (including waste waters but excluding sludge).	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Waste which in the conditions of landfill is explosive, corrosive, oxidising, highly flammable or flammable.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Hospital and other clinical infectious wastes from medical or veterinary establishments.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
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.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Whole used tyres (other than tyres used as engineering materials, bicycle tyres and tyres with an outside diameter of more than 1400mm).	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Shredded used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm).	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Any waste which does not fulfil the relevant waste acceptance criteria.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Waste which has been diluted or mixed solely to meet the relevant waste acceptance criteria.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Wastes which have not 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.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007

And

- 2.1.3.1 The operator of the landfill shall visually inspect the waste at the entrance to the landfill and at the point of the deposit and shall satisfy himself that it conforms to the description provided in the documentation submitted by the holder. Any waste which does not conform with the description provided, shall be refused and the Agency notified in accordance with condition 5.1.1
- 2.1.3.2 All waste approved under condition 2.1.3 shall be characterised in accordance with Regulations to meet Waste Acceptance Criteria and Procedures. The operator shall provide written confirmation to the Agency, in the quarterly report required by condition 4.1.8, that such characterisation has been undertaken. Any information provided under this condition shall be included within the annual report required by condition 4.1.3.
- 2.1.3.3 The operator shall ensure that where representative samples are taken for analysis they are taken in accordance with Regulations, to meet Waste Acceptance Criteria and Procedures. The samples taken shall be retained for at least one month and results of any analysis for at least one year.
- 2.1.4 The operator on accepting each delivery of waste shall provide a written receipt to the person delivering it.
- 2.1.5 The operator shall ensure that the landfill is secured to prevent free access to the site and the gates of the landfill must be locked outside operating hours.
- 2.1.6 The total quantity of waste that shall be deposited in the landfill shall not exceed 472,513 tonnes.
- 2.1.7 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits and acceptance ratios in Table 2.1.3 below.

Category	Limit Tonnes/ Year
Hazardous Waste	Not Permitted
Non-hazardous Waste	23,000
Stable, non-reactive hazardous waste	Not permitted
Inert Waste for restoration of closed areas	2,000

- 2.1.8 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, origin, date of delivery, the identity of the producer (or in the case of municipal waste (as defined by the Landfill Regulations), the collector) of any waste that is received for disposal or recovery at the Permitted Installation.

2.2 Emissions

2.2.1 Emissions to Air, (excluding Odour, Noise or Vibration) from Specified Points

- 2.2.1.1 Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the source specified in that Table.

Table 2.2.1 : Emission points to air

Emission point reference or description	Source	Location of emission point
Landfill Gas Flare	Landfill waste mass	Point marked as 'flare stack' on drawing ESID 8 (August 2005)

2.2.1.3 The limits for emissions to air for the parameters and emission points set out in Table 2.2.2 shall not be exceeded.

2.2.1.4 Emission monitoring for landfill gas flares shall be undertaken in accordance with Agency guidance document 'Guidance for monitoring enclosed landfill gas flares' (LFTGN05), unless otherwise agreed in writing with the Agency.

Table 2.2.2 : Emission limits to air and monitoring

Emission point reference	Parameter	Limit (mg/m3)	Monitoring frequency	Monitoring method
Landfill Gas Flare	Oxides of Nitrogen (NO _x)	150	Annual	Chemiluminescence
Landfill Gas Flare	Carbon Monoxide (CO)	50	Annual	Non-dispersive infra-red analysis.
Landfill Gas Flare	Total Volatile Organic Compounds (VOC's)	10	Annual	Extractive sampling and flame ionisation detector analysis.
Landfill Gas Flare	Non Methane Volatile Organic Compounds (NMVOC's)	5	Annual	Extractive sampling onto sorbent, desorption with carbon disulphide, analysis by gas chromatography.

2.2.2 Emissions to water (other than groundwater), from specified points

2.2.2.1 This Part 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.

Emissions to Water (other than to Sewer)

2.2.2.2. Conditions 2.2.2.3 - 6 shall not apply to emissions to sewer.

2.2.2.3 Emissions to water from the emission points specified in Table 2.2.4 shall only arise from the sources specified in that Table.

Table 2.2.4: Emission point to water

Emission Point Reference and/or location description	Source	Receiving Water	Monitoring point
Point marked 'Discharge point from oil/petrol interceptor' on drawing number HRA02 (August 2005)	Site drainage from Area 1 via interceptor.	Un-named watercourse along the northern boundary of the Installation.	Point marked SW1 on drawing number HRA02 (August 2005)
Point marked 'Sluice' on drawing number HRA02 (August 2005)	Site drainage from Area 1 via interceptor and un-named watercourse that runs along the northern and western boundaries of the Installation.	Un-named watercourse to the west of the Installation.	Point marked SW3 on drawing number HRA02 (August 2005)

2.2.2.4 The limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 2.2.5 shall not be exceeded.

Table 2.2.5 : Emission limits to water and monitoring

Emission point reference	Parameter	Limit (including Reference Period)	Monitoring frequency
Points marked SW1 & SW3 on drawing number HRA02 (August 2005)	Oil	No visible oil or grease.	Weekly

2.2.2.5 Where a substance is specified in Table 2.2.5 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.

2.2.2.6 No condition applies.

Emissions to sewer

2.2.2.7 There are no specific controls imposed on emissions to sewer in this Part of the Permit.

2.2.2.8 No condition applies.

2.2.2.9 No emission from the permitted installation shall be made to sewer.

2.2.3. Emissions to groundwater

- 2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.2 No emission from within the Permitted Installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)) so as to cause pollution (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.3. For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (SI 1998 No.2746)), the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application.
- 2.2.3.4 Groundwater monitoring shall be carried out for the parameters and monitoring points set out in Table 2.2.8 A. Monitoring shall be carried out using the methods described in Environment Agency guidance document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water' (LFTGN02). Any substance detected in the annual List 1 screening of leachate required by condition 2.10.16 shall be incorporated into the quarterly monitoring regime for groundwater, unless otherwise agreed in writing with the Agency.

Table 2.2.8 A: Groundwater monitoring

Monitoring points	Parameters	Monitoring frequency
All groundwater monitoring boreholes shown on drawing HRA02 (August 2005) and all subsequent monitoring boreholes installed in accordance with improvement condition 1.4.1.1.	Temperature (°C)	Monthly
	pH	Monthly
	Chloride	Monthly
	Conductivity	Monthly
	Ammoniacal N	Monthly
	Dissolved Oxygen	Monthly
	Ca	Quarterly
	Mg	Quarterly
	K	Quarterly
	Na	Quarterly
	Alkalinity	Quarterly
	TOC	Quarterly
	TON	Quarterly
	SO4	Quarterly
	Phenol	Quarterly
	Cd	Quarterly
	Cr	Annually
	Cu	Annually
	Fe	Annually
	Pb	Annually
Mn	Annually	
Ni	Annually	
Zn	Annually	
List 1 screen	4-yearly	

2.2.3.5 The trigger levels for emissions into groundwater for the parameters and monitoring points set out in Table 2.2.8B shall not be exceeded. The trigger levels in Table 2.2.8 B represent interim levels which will cease to have effect when improvement condition 1.4.1.3 has been complied with and this has been confirmed in writing with the Environment Agency.

Table 2.2.8 B: The trigger levels for emissions into groundwater

Emission point reference	Substance	Limit	Monitoring frequency
All groundwater monitoring boreholes shown on drawing HRA02 (August 2005).	Cadmium	5.5 ug/l	Quarterly
	Ammoniacal N	120 mg/l	Monthly
	Chloride	600 mg/l	Monthly

2.2.3.6 Subject to the terms of this condition, the activities of disposal, or tipping for the purpose of disposal, of waste, that are authorised by this landfill permit shall cease 3½ years from date of issue of this Permit, unless by that date the operator has submitted to the Agency a written review of the Hydrogeological Risk Assessment submitted as part of the original Application for the permit.

The Risk Assessment review shall include a review of the responses in Section 1.4.1 of Part B of that original application. The written review shall show whether at the specified date, the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

Within six months of receipt of the written review the Agency shall reply in writing to the operator either confirming that the above requirements have been met and authorising continuation of disposal activities or that activities of disposal or tipping for the purpose of disposal of waste authorised by this permit shall cease until the operator can show that, the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

In the event that the continuation of activities is authorised in accordance with this condition beyond 4 years following the date of granting of this Permit, they shall cease on every fourth anniversary thereafter, unless, by each of those dates, the operator has submitted to the Agency a further written review of the Hydrogeological Risk Assessment which shows that, at the specified dates, the level of risk to groundwater meets the terms of the Groundwater Regulations.

The reviews submitted to the Agency shall include the results of any investigations and reviews carried out, and, in particular, reviews of the following aspects of the Hydrogeological Risk Assessment:

Recommendations of the essential technical precautions which must be taken, paying particular attention to the nature and concentration of the substances present in the matter being disposed of or tipped, the characteristics of the receiving environment and the proximity of the water catchment areas, in particular those for drinking, thermal and mineral water;

Recommendations of the technical precautions necessary:

- i In the case where groundwater is considered to be permanently unsuitable for other uses, to ensure that no substance in list I can reach other aquatic ecosystems or harm other ecosystems, to ensure that the presence of any list I substance once discharged into the groundwater will not impede exploitation of ground resources and to prevent pollution of groundwater by list II substances; and
- ii in the case where groundwater is not considered to be permanently unsuitable for other uses, to prevent any discharges into groundwater of substances in list I and to prevent any pollution of groundwater by substances in list II.

2.2.4 Fugitive emissions of substances to air

2.2.4.1 The Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation in particular from:

- open surfaces, unfilled, operational and filled landfill surfaces
- storage areas
- buildings
- pipes, valves and other transfer systems

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

- 2.2.4.2 The Operator shall use all appropriate measures so as to prevent or where that is not practicable to reduce emissions of landfill gas, litter and particulate matter from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5 Fugitive emissions of substances to water and sewer

- 2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

- 2.2.5.2 There shall be no release to water that would cause a breach of an EQS established by the UK Government to implement the Dangerous Substances Directive 76/464/EEC.

2.2.6 Odour

- 2.2.6.1 All emissions to air from the installation shall be free from offensive odour as perceived by an Authorised Officer of the Agency outside the installation boundary except that the Operator shall not be taken to have breached this condition if the Operator has ensured that all appropriate measures are taken or where that is not practicable, to reduce, such odorous emissions.

2.2.7 Emissions to Land

- 2.2.7.1 This Part 2.2.7 of this Permit shall not apply to emissions to groundwater.
- 2.2.7.2 No emission from the Permitted installation shall be made to land.
- 2.2.7.3 The Operator shall notify the Agency, as soon as reasonably practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.

2.3 Management and Fit and Proper Person

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

- 2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.

- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.
- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

- 2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.
- 2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment:
- 2.3.6.1 a written or electronic maintenance programme; and
- 2.3.6.2 records of its maintenance.

Incidents and Complaints

- 2.3.7 The Operator shall maintain and implement written procedures for:
- 2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits and if such event occur;
- 2.3.7.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and
- 2.3.7.3 ensuring that detailed records are made of all such actions and investigations.
- 2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

Fit and Proper Person

- 2.3.9 Where Regulation 4 of the Regulations applies to a relevant activity/ associated activity carried on at the Permitted Installation, as authorised under condition 1.1.1:
- 2.3.9.1 Any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Agency in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as prescribed under Section 74 of the Environmental Protection Act 1990.
- 2.3.9.2 In the event of the Operator and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days of conviction, whether or not the conviction is subsequently appealed. Such details shall include , in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, any sentence, and any fine or other penalty imposed; and
- 2.3.9.3 In the event that the Operator and/or any relevant person lodges an appeal against any such conviction, the Operator shall notify the Agency of this within 14 days of the lodging. The Operator shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided; and

- 2.3.9.4 The financial provision for meeting the obligations under this Permit set out in the Agreement made between the Operator and the Agency dated 31st 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.
- 2.3.10 The operator shall ensure that the charges it makes for the disposal of waste in the landfill covers all of the following
- (a) the costs of setting up and operating the landfill;
 - (b) the costs of the financial provision required by condition 2.3.9.4; and
 - (c) the estimated costs for the closure and after-care of the landfill site for a period of at least 60 years from its closure.

2.4 Efficient use of raw materials

- 2.4.1 The Operator shall:
- 2.4.1.1 maintain the raw materials table or description submitted in response to Section 2.4 of the Application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact;
 - 2.4.1.2 carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the Agency within 2 months of completion of each such audit and a review of the audit and a description of progress made against the action plan shall be submitted to the Agency at least every 4 years thereafter; and
 - 2.4.1.3 ensure that incoming water use is directly measured and recorded.

2.5 Waste Storage and Handling

- 2.5.1 No condition applies except as covered by the requirements in 2.1.1 for the landfill part of the permitted installation
- 2.5.2 The Operator shall design, maintain and operate all facilities for the storage and handling of waste within the non-landfill parts of the permitted installation such that there are no releases to water or land during normal operation and that emissions to air and the risk of accidental release to water or land are minimised.

2.6 Waste recovery or disposal

- 2.6.1 Waste produced at the Permitted Installation shall be recycled or recovered unless technically and/or economically impossible.
- 2.6.2 No condition applies
- 2.6.3 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal date of any waste that is produced at the Permitted Installation.

2.7 Energy Efficiency

2.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by 31 January each year, providing the information listed in Table S4.2 at Schedule 4.

2.7.2 The Operator shall maintain and update annually an energy management system which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.

2.7.3 The Operator shall design, maintain and operate the Permitted Installation so as to secure energy efficiency, taking into account relevant guidance including the Agency's Energy Efficiency Horizontal Guidance Notes as from time to time amended. Energy efficiency shall be secured in particular by:

- ensuring that the appropriate operating and maintenance systems are in place;
- ensuring that all plant is adequately insulated to minimise energy loss or gain;
- ensuring that all appropriate containment methods, (e.g. seals and self-closing doors) are employed and maintained to minimise energy loss;
- ensuring employing appropriate basic controls, such as simple sensors and timers, to avoid unnecessary discharge of heated water or air;
- where building services constitute more than 5% of the total energy consumption of the installation, identifying and employing the appropriate energy efficiency techniques for building services, having regard in particular to the Building services part of the Agency's Energy Efficiency Horizontal Guidance Notes; and
- maintaining and implementing an energy efficiency plan which identifies energy saving techniques that are applicable to the activities and their associated environmental benefit and prioritises them, having regard to the appraisal method in the Agency's Energy Efficiency Horizontal Guidance Notes.

2.8 Accident prevention and control

2.8.1 The Operator shall maintain and implement when necessary the accident management plan submitted or described in response to Section 2.3.4 of the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Agency notified of the results of the review within 2 months of its completion.

2.9 Noise and Vibration

2.9.1 The Permitted Installation shall be designed, operated and maintained using BAT for the non-landfill parts of the installation, so as to avoid reasonable cause for annoyance from noise or vibration, in particular by:

- equipment maintenance e.g. fans, pumps, motors, conveyors and mobile plant;
- use and maintenance of appropriate attenuation e.g. silencers, barriers, enclosures;
- timing and location of noisy activities and vehicle movements;
- periodic checking of noise emissions, either qualitatively or quantitatively; and
- maintenance of building fabric.

Provided always that the techniques used by the operator shall be no less effective than those described in the application, where relevant

2.10 On Site Monitoring

2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Tables 2.2.1 & 2.2.2 (air), tables 2.2.4 & 2.2.5 (water), tables 2.2.8 A & 2.2.8B (groundwater), unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of conditions.

2.10.2 No condition applies.

2.10.3 No condition applies.

Noise

2.10.4 No condition applies.

Monitoring - General

2.10.5 The Operator shall notify the Agency at least 14 days in advance of undertaking monitoring and/ or spot sampling, where such notification has been requested in writing by the Agency.

2.10.6 The Operator shall maintain records of all monitoring taken or carried out (this includes 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.

2.10.7 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme in condition 2.10.1 of this Permit shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing.

2.10.8 There shall be provided:

2.10.8.1 safe means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2 to this Permit, when required by the Agency unless otherwise specified in that Schedule; and

2.10.8.2 safe means of access to other sampling/monitoring points when required by the Agency.

2.10.9 The Operator shall carry out the on-going monitoring identified in the Site Protection and Monitoring Programme submitted under condition 4.1.7, unless otherwise agreed in writing by the Agency.

2.10.10 The Operator shall, within 6 months of the issue of this Permit, in accordance with and using the format given in the Land Protection Guidance:

2.10.10.1 collect the site reference data identified in the Site Protection and Monitoring Programme submitted under condition 4.1.7, and

2.10.10.2 report that site reference data to the Agency unless otherwise agreed in writing by the Agency.

Landfill Gas

2.10.11 The Operator shall carry out monitoring of the parameters listed in Table 2.10.11 at the specified monitoring points and at least at the frequencies specified in that table.

Table 2.10.11 Landfill gas trigger levels

Monitoring point reference/description	Parameter	Trigger	Frequency
All peripheral monitoring boreholes shown on drawing ESID 8 (August 2005) and those installed in accordance with improvement condition 1.4.1.10.	Methane	1% v/v above background conditions agreed in accordance with improvement condition 1.4.1.8.	Monthly, unless otherwise agreed in writing with the Agency.
All peripheral monitoring boreholes shown on drawing ESID8 (August 2005) and those installed in accordance with improvement condition 1.4.1.10.	Carbon Dioxide	1.5% v/v above background conditions agreed in accordance with improvement condition 1.4.1.8.	Monthly, unless otherwise agreed in writing with the Agency.

2.10.12 The Operator shall carry out monitoring of trace components in the landfill gas in accordance with Agency guidance document 'Guidance for monitoring trace components in landfill gas' (LFTGN04). The trace components detailed in Appendix 3 of the Agency's document 'Guidance for monitoring trace components in landfill gas' should be monitored unless otherwise agreed in writing with the Agency.

2.10.13 Monitoring of surface emissions of landfill gas shall be carried out in accordance with the Agency's guidance document 'Guidance on monitoring landfill gas surface emissions' (LFTGN07), for all capped areas of the site, unless otherwise agreed in writing with the Agency.

Leachate

2.10.14 The leachate levels within the installation shall be monitored from the date of the monitoring point installation at weekly intervals at the locations identified in Table 2.10.12. The head of leachate shall not be permitted to exceed 1.5 metres above the base of the cells.

2.10.15 The Operator shall carry out monitoring of leachate quality at the monitoring points and for the parameters listed in Table 2.10.12 to the frequencies described in that Table.

Table 2.10.12 Leachate monitoring

Monitoring point reference/description	Parameter	Frequency
All leachate monitoring points shown on drawing ESID7.	Level (mAOD)	Weekly
	Temperature (°C)	Monthly
	PH	Monthly
	Chloride	Monthly
	Conductivity	Monthly
	Ammoniacal N	Monthly
	Ca	Quarterly
	Mg	Quarterly
	K	Quarterly
	Na	Quarterly
	Alkalinity	Quarterly
	TOC	Quarterly
	TON	Quarterly
	SO4	Quarterly
	Phenol	Quarterly
	COD	Quarterly
	BOD	Quarterly
	Cd	Quarterly
	Cr	Annually
	Cu	Annually
	Fe	Annually
	Pb	Annually
	Mn	Annually
Ni	Annually	
Zn	Annually	
List 1 screen	Annually in accordance with condition 2.10.16.	

2.10.16 The Operator shall carry out leachate screening annually from leachate sampled from each hydraulically separate cell in accordance with Appendix 6 of the Environment Agency's guidance document 'Hydrogeological Risk Assessment for Landfills' (LFTGN01).

2.10.17 Any substance detected in the annual List 1 screening of leachate required by condition 2.10.16 above shall be incorporated into the quarterly monitoring regime for leachate, unless otherwise agreed in writing with the Agency.

Surface water

2.10.18 The Operator shall carry out surface water monitoring for the parameters listed in Table HRA3.3 (Hydrogeological Risk Assessment dated 5 November 2004) at the specified monitoring points and at the frequency specified in that table, unless otherwise agreed in writing with the Agency.

2.10.19 Any substance detected in the annual List 1 screening of leachate required by condition 2.10.16 above shall be incorporated into the monitoring regime for surface water, unless otherwise agreed in writing with the Agency.

2.11 Closure, Aftercare and Decommissioning

- 2.11.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

Table 2.11.1: Closure, Aftercare and Decommissioning techniques

Description	Parts	Date Received
Landfill Application	The response to questions 2.11 In Part B of the application forms	8 th November 2004

- 2.11.2 Where the above Table refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the later document(s) shall prevail to the extent of such conflict.
- 2.11.3 In respect of activities on the installation which are not Listed in Section 5.2 Part 1 A(1)(a) or (b) of Schedule 1 of the PPC Regulations, the Operator shall maintain and operate these activities so as to prevent or minimise any pollution risk, including the generation of waste, on closure and decommissioning in particular by:
- attention to the design of new plant or equipment;
 - the maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out.; and
 - the maintenance of a site closure plan to demonstrate that the installation can be decommissioned avoiding any pollution risk and returning the site of operation to a satisfactory state.
- 2.11.4 Notwithstanding condition 2.11.1 of this Permit, the Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.5 The Operator shall implement the site closure plan on receipt of a notice from the Agency approving definitive closure of the landfill or part thereof.
- 2.11.6 The Operator shall give at least 30 days written notice to the Agency before implementing the site closure plan in respect of any non-landfill activities.

2.12 Multiple Operator installations

- 2.12.1 This is not a multi-Operator installation

2.13 Transfer to effluent treatment plant

- 2.13.1 No transfers to effluent treatment plant are controlled under this part of this Permit. Emissions to water are controlled under 2.2.2, 2.2.3 and 2.2.5

3 Records

3.1.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:

- be made available for inspection by the Agency at any reasonable time
- be supplied to the Agency on demand and without charge
- be legible
- be made as soon as reasonably practicable
- indicate any amendments which have been made and shall include the original record wherever possible; and
- be retained at the Permitted Installation, or other location agreed by the Agency in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing.

4 Reporting

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the Agency using the contact details notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out, as follows:
- in respect of the parameters and emission and monitoring points specified in Schedule 2.
 - for the reporting periods specified in Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall submit to the Agency a report on the performance of the Permitted Installation over the previous year, by 31 January each year, providing the information listed in Tables S4.1-2 of Schedule 4, assessed at any frequency specified therein.
- 4.1.4 The Operator shall review fugitive emissions, having regard to the application of the most appropriate measures to prevent pollution, on an annual basis, or such other period as shall be agreed in writing by the Agency, and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.5 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.6 The Operator shall, within 6 months of receipt of written notice from the Agency, submit to the Agency a report assessing whether all appropriate preventive measures continue to be taken against pollution at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement
- 4.1.7 The Operator shall, within two months of the date of this permit, submit a detailed Site Protection and Monitoring Programme, in accordance with and using the appropriate template format given in the Land Protection Guidance. The Operator shall implement and maintain the Site Protection and Monitoring Programme (SPMP) submitted under this condition, and shall carry out regular reviews of it at a minimum frequency of every 2 years. The results of such reviews and any changes made to the SPMP shall be reported to the Agency within 1 month of the review or change.
- 4.1.8 The Operator shall review the monitoring results for waste characterisation, landfill gas, leachate, surface and groundwater against the relevant emission limits, assessment limits, control and trigger levels specified in the permit on a three monthly basis and shall submit a summary report of this review, to the Agency within one month of the end of each three month period.
- 4.1.9. The Operator shall review all monitoring data required by this permit on an annual basis and shall submit a summary report to the Agency within three months of the end of each year.

4.1.10 The Operator shall submit to the Agency a report setting out the types and quantities of waste disposed of at the landfill on a three monthly basis i.e. for the periods 1 April - 30 June; 1 July - 30 September; 1 October - 31 December and 1 January - 31 March, such report to be received within 1 month from the end of each period.

5 Notifications

- 5.1.1 The Operator shall notify the Agency without delay of:
- 5.1.1.1 the detection of an emission of any pollutant which exceeds any limit or criterion in this Permit specified in relation to the pollutant;
 - 5.1.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant pollution; unless the quantity emitted is so trivial that it would be incapable of causing significant adverse environmental effect;
 - 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution;
 - 5.1.1.4 any accident which has caused, is causing or has the potential to cause significant pollution;
 - 5.1.1.5 the refusal to accept or rejection of incoming waste at the landfill, and
 - 5.1.1.6 the detection of any significant adverse environmental effects
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1, by sending:
- 5.1.2.1 information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
 - 5.1.2.2 the more detailed information listed in Part B or Part C of that Schedule as soon as practicable thereafter; and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give prior written notification to the Agency of the following events and in the specified timescales:
- 5.1.3.1 as soon as practicable prior to the permanent cessation of the landfill disposal operations,
 - 5.1.3.2 as soon as practicable prior to the cessation of the operation of the landfill disposal operations, for a period likely to exceed 1 month
 - 5.1.3.3 at least 14 days prior to the resumption of the landfill disposal operations after a cessation
- 5.1.4 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.
- 5.1.5 The Operator shall notify the following matters to the Agency in writing within 14 days of their occurrence:
- 5.1.5.1 where the Operator is a registered company:
 - any change in the Operator's trading name, registered name or registered office address;
 - any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary)
 - any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
 - 5.1.5.2 where the Operator is a corporate body other than a registered company:
 - any change in the Operator's name or address;
 - any steps taken with a view to the dissolution of the Operator.
 - 5.1.5.3 In any other case:
 - the death of any of the named Operators (where the Operator consists of more than one named individual);
 - any change in the Operator's name(s) or address(es);
 - 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 them being in a partnership, dissolving the partnership;

6 Interpretation

6.1.1 In this Permit, the following expressions shall have the following meanings:

"Application" means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit.

"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:

- water supplied to the site; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site, or
- groundwater quality up-gradient of the installation
- surface water quality up-gradient of the site

"BAT" means best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: "available techniques" means "those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator"; "best" means "in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned." . In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

"Characterisation" as set out in Schedule 1 para 5(5) of the of the Landfill (E&W) Regulations 2002 (SI:2002, No 1559) (as amended) and means gathering all necessary information for the safe disposal of the waste in the long term. The information required is at least that given in Schedule 1 para 5(1) and 5(2) of the 2002 Regulations. Samples of waste to be characterised must be obtained using a sampling plan in accordance with PrEN 14899 and Agency Guidance on the Sampling and Testing of Wastes to meet Waste Acceptance Procedures

"Fugitive emission" means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1.3, 2.2.2.4, 2.2.2.5, 2.2.2.8 or 2.2.2.9 of this Permit"

"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.

"Interim Hazardous" means a landfill classified as hazardous until 16th July 2004

"The Landfill Regulations" means the Landfill (England and Wales) Regulations SI 2002 No. 1559, as amended by SI 2004 No 1375 and words and expressions defined in the Landfill Regulations shall have the same meanings when used in this Permit, save to the extent that they are specifically defined in this Permit. It shall include future amendments or superseding legislation

"Monitoring" includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

"Permitted Installation" means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit. It shall include any future amendments or superseding legislation

"Range of conditions" refers to environmental conditions, such that monitoring for example, for landfill gas is undertaken at a variety of atmospheric pressures (including when it is falling), water monitoring is undertaken in low and high flow conditions and at different times of the year, etc...

"Sewer" means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

"Staff" includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"Year" means calendar year ending 31 December.

6.1.2 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.

6.1.3 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 or Guidance for Monitoring Landfill Gas Engine Emissions

6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1 - Notification of abnormal emissions and significant adverse environmental effects

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

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.

Part C refers specifically to the requirement to notify the Agency of any significant environmental effect as required by the Landfill Regulations and should be used instead of Part B to report such to the Agency.

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 PPC Regulations.

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission/ significant adverse environmental effect	
Time and date of the emission/ significant adverse environmental effect	

Substance[s] emitted	Media	Best estimate of the quantity or the rate of emission	time during which the emission took place
	e.g. air		
	e.g. groundwater		

Measures taken, or intended to be taken, to stop the emission	
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Part B

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 or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Gwynedd Council

PART C

Nature of significant adverse environmental effect (e.g. Groundwater Pollution, LFG escape)	
Immediate measures taken to prevent further effects from this source	
Further measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the significant adverse environmental effect	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Gwynedd Council

Schedule 2 - Reporting of monitoring data

Parameters, for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Site Drainage			
Parameters specified by condition 2.2.2.4	Monitoring points specified by conditions 2.2.2.3 and 2.2.2.4	Weekly	Date of issue of Permit
Groundwater			
Parameters specified by conditions 2.2.3.4 and 2.2.3.5	Monitoring points specified by conditions 2.2.2.3 and 2.2.2.4	Quarterly for all parameters monitored at a monthly or quarterly frequency.	Date of issue of Permit
		Annually for all parameters monitored at an annual frequency.	
		Every 4 years for parameters monitored at a 4-yearly frequency.	
Landfill Gas (perimeter boreholes)			
Parameters specified by condition 2.10.11	Monitoring points specified by condition 2.10.11	Monthly, unless otherwise agreed in writing with the Agency.	Date of issue of Permit
Landfill Gas (trace components)			
Parameters specified by condition 2.10.12	Monitoring points specified by condition 2.10.12	Annually	Date of issue of Permit
Landfill Gas (surface emissions)			
Parameters specified by condition 2.10.13	Monitoring points specified by condition 2.10.13	Annually	Date of issue of Permit
Leachate			
Parameters specified by conditions 2.10.14, 2.10.15, 2.10.16 and 2.10.17	Monitoring points specified by conditions 2.10.14, 2.10.15 and 2.10.16	Quarterly for all parameters monitored at a weekly, monthly or quarterly frequency.	Date of issue of Permit
		Annually for all parameters monitored at an annual frequency.	
Surface Water			
Parameters specified by conditions 2.10.18 and 2.10.19	Monitoring points specified by condition 2.10.18	Monthly	Date of issue of Permit
Landfill Body			
Quantity of waste deposited.	Whole site.	Annually	Date of issue of Permit

Annually

Calculation of remaining capacity in cubic metres accounting for settlement
 Record of the structure and composition of the landfill body
 Surveying of the settling behaviour of the landfill during the operating and after care phases
 Volume and composition of waste deposited in the previous 12 months

Quarterly

Quantity of waste deposited

Monthly

Basal elevation as mAOD

Waste volume

1. Stable, permanent survey control stations shall be established and maintained for the control of all survey work around the site. The stations shall be referenced to Ordnance Survey National Grid co-ordinates, the grid alignment to be within +/-1 metre and levels referenced to Ordnance Datum. The accuracy of horizontal control shall not be less than 1:20 000. The level values of adjacent stations shall agree to less than or equal to 0.005 metres. No waste shall be accepted at the site until a schedule of descriptions, co-ordinates and level values of all control stations, together with details of Bench Marks used, has been submitted in writing to the Agency.
2. A topographic survey shall be carried out immediately before the start of filling of each phase or cell, at annual intervals (unless otherwise agreed in writing by the Agency), and at the completion of restoration. The scale shall adequately show surveyed features and be at least 1:1250. The surveys shall be sufficient to produce plans that include all roads, structures, boundaries, monitoring points and all other relevant site features. The results of the survey shall be presented as a plan, including the immediate neighbouring landform or an indication of that landform. Plan positions of ground features to be shown to within 1 metre. Spot levels to 0.01m shall be shown at significant landform changes to a density to adequately indicate the true landform, no greater than 50 metre interval in open areas of even gradient, closer when indicating embankments, stockpiles, etc.

Schedule 3 - Forms to be used

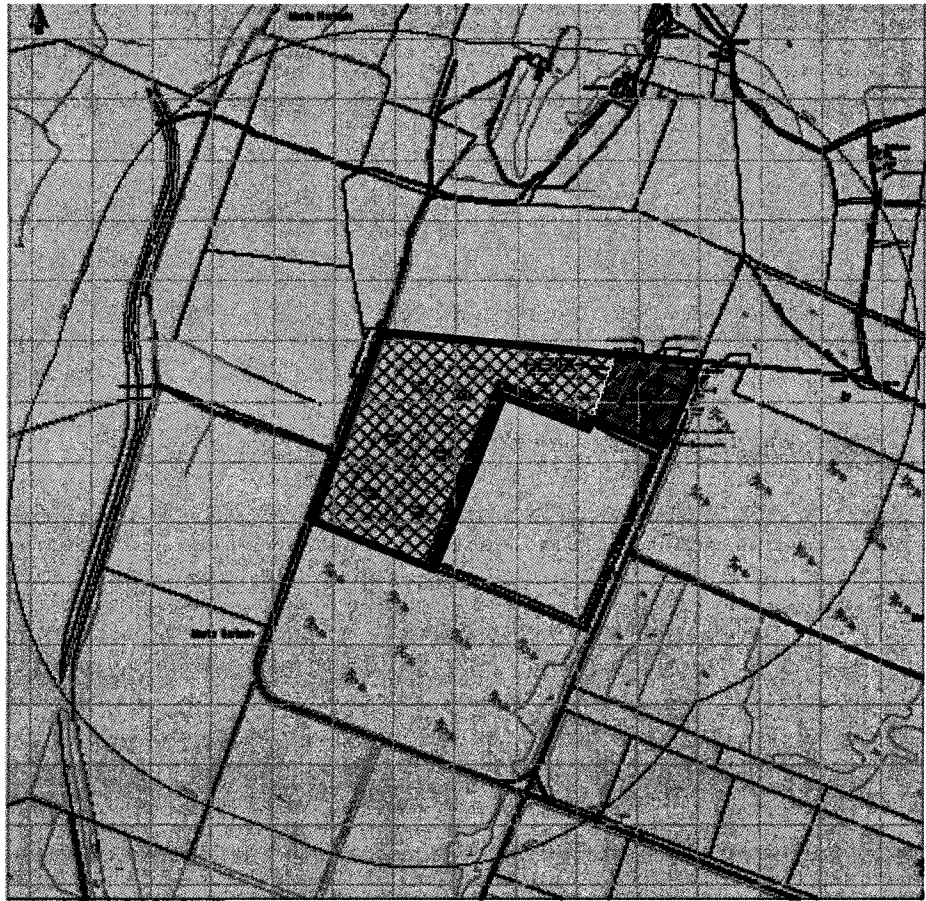
Table S3: Reporting Forms		
Media/parameter	Form Number	Date of Form
Controlled Water	None Provided. Reporting format to be agreed in writing with the Agency	
Surface Water	None Provided. Reporting format to be agreed in writing with the Agency	
Groundwater	None Provided. Reporting format to be agreed in writing with the Agency.	
Landfill Gas	None Provided. Reporting format to be agreed in writing with the Agency.	
Waste/Raw Material Return	None Provided. Reporting format to be agreed in writing with the Agency	
Waste Summary	None provided. Reporting format to be agreed in writing with the Agency.	
Landfill Body	None provided. Reporting format to be agreed in writing with the Agency.	

Schedule 4 - Reporting of performance data

Table S4.1: Annual Production/Treatment	
Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant.	Tonnes/year
Surface water and/ or groundwater: Disposed of off site; Disposed of to any onsite effluent treatment plant.	
Landfill gas: Disposed of by flare; Burnt in gas engine;	

Table S4.2: Performance parameters			
	Frequency of assessment	Annual average	
Potable water use	Annually		Cu m/tonne of waste disposed
Energy used	Annually		MW of electricity/tonne of biodegradable waste disposed
Non potable water use	Annually		Cu m/tonne of waste disposed
Energy generated	Annually		MW of electricity/tonne of biodegradable waste disposed

Schedule 5 - Site Plan



NOT TO SCALE

Schedule 6 - List of Permitted Wastes

- 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 01 10 waste metal
 - 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 fermentation**
 - 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
 - 02 03 02 wastes from preserving agents
 - 02 03 03 wastes from solvent extraction
 - 02 03 04 materials unsuitable for consumption or processing
 - 02 03 05 sludges from on-site effluent treatment
 - 02 04 wastes from sugar processing**
 - 02 04 01 soil from cleaning and washing beet
 - 02 04 02 off-specification calcium carbonate
 - 02 04 03 sludges from on-site effluent treatment
 - 02 05 wastes from the dairy products industry**
 - 02 05 01 materials unsuitable for consumption or processing
 - 02 05 02 sludges from on-site effluent treatment
 - 02 06 wastes from the baking and confectionery industry**
 - 02 06 01 materials unsuitable for consumption or processing
 - 02 06 02 wastes from preserving agents
 - 02 06 03 sludges from on-site effluent treatment

- 02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
 - 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
 - 02 07 02 wastes from spirits distillation
 - 02 07 03 wastes from chemical treatment
 - 02 07 04 materials unsuitable for consumption or processing
 - 02 07 05 sludges from on-site effluent treatment

- 03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
 - 03 01 wastes from wood processing and the production of panels and furniture**
 - 03 01 01 waste bark and cork
 - 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04

 - 03 02 wastes from wood preservation**

 - 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 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
 - 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 01 wastes from the manufacture, formulation, supply and use (MFSU) of acids**

 - 06 02 wastes from the MFSU of bases**

 - 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 04 metal-containing wastes other than those mentioned in 06 03**
- 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
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 07 wastes from the MFSU of halogens and halogen chemical processes**
- 06 08 wastes from the MFSU of silicon and silicon derivatives**
- 06 09 wastes from the MFSU 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 10 wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture**
- 06 11 wastes from the manufacture of inorganic pigments and opacifiers**
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 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 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- 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 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 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
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15

- 09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY**
- 09 01 wastes from the photographic industry**
- 09 01 07 photographic film and paper containing silver or silver compounds
- 09 01 08 photographic film and paper free of silver or silver compounds
- 09 01 10 single-use cameras without batteries
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11

- 10 WASTES FROM THERMAL PROCESSES**
- 10 01 wastes from power stations and other combustion plants (except 19)**
- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 05 calcium-based reaction wastes from flue-gas desulphurisation in solid form
- 10 01 07 calcium-based reaction wastes from flue-gas desulphurisation in sludge form
- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
- 10 01 24 sands from fluidised beds
- 10 01 25 wastes from fuel storage and preparation of coal-fired power plants
- 10 01 26 wastes from cooling-water treatment

- 10 02 wastes from the iron and steel industry**
- 10 02 01 wastes from the processing of slag
- 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
- 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 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

- 11 02 wastes from non-ferrous hydrometallurgical processes**
- 11 02 03 wastes from the production of anodes for aqueous electrolytical processes
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05

- 11 05 wastes from hot galvanising processes**
- 11 05 01 hard zinc
- 11 05 02 zinc ash

- 12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
- 12 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics**
- 12 01 01 ferrous metal filings and turnings
- 12 01 02 ferrous metal dust and particles
- 12 01 03 non-ferrous metal filings and turnings
- 12 01 04 non-ferrous metal dust and particles
- 12 01 05 plastics shavings and turnings
- 12 01 13 welding wastes
- 12 01 15 machining sludges other than those mentioned in 12 01 14
- 12 01 17 waste blasting material other than those mentioned in 12 01 16
- 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20

- 15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
- 15 01 packaging (including separately collected municipal packaging waste)**
- 15 01 01 paper and cardboard packaging
- 15 01 02 plastic packaging
- 15 01 03 wooden packaging
- 15 01 04 metallic packaging
- 15 01 05 composite packaging
- 15 01 06 mixed packaging
- 15 01 07 glass packaging
- 15 01 09 textile packaging
- 15 02 absorbents, filter materials, wiping cloths and protective clothing**
- 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

- 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
- 16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
- 16 01 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 15 antifreeze fluids other than those mentioned in 16 01 14
- 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
- 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 15
- 16 03 off-specification batches and unused products**

- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 06 organic wastes other than those mentioned in 16 03 05
- 16 05 gases in pressure containers and discarded chemicals**
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
- 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 07 wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**

- 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 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
- 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 gypsum-based construction material**
- 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 01 sharps (except 18 01 03)
- 18 01 02 Body parts and organs including blood bags and blood preserves (except 18 01 03)
- 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 01 sharps (except 18 02 02)
- 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 ¹**
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 07 solidified wastes other than those mentioned in 19 03 06
- 19 04 vitrified waste and wastes from vitrification**
- 19 04 01 vitrified waste
- 19 04 04 aqueous liquid wastes from vitrified waste tempering
- 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 03 liquor from anaerobic treatment of municipal waste
- 19 06 04 digestate from anaerobic treatment of municipal waste
- 19 06 05 liquor from anaerobic treatment of animal and vegetable 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 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
- 19 09 wastes from the preparation of water intended for human consumption or water for industrial use**
- 19 09 01 solid waste from primary filtration and screenings
- 19 09 02 sludges from water clarification
- 19 09 03 sludges from decarbonation
- 19 09 04 spent activated carbon
- 19 09 05 saturated or spent ion exchange resins
- 19 09 06 solutions and sludges from regeneration of ion exchangers
- 19 10 wastes from shredding of metal-containing wastes**
- 19 10 01 iron and steel waste
- 19 10 02 non-ferrous waste
- 19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 10 06 other fractions other than those mentioned in 19 10 05
- 19 11 wastes from oil regeneration**
- 19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05
- 19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
- 19 12 01 paper and cardboard
- 19 12 02 ferrous metal

- 19 12 03 non-ferrous metal
- 19 12 04 plastic and rubber
- 19 12 05 glass
- 19 12 07 wood other than that mentioned in 19 12 06
- 19 12 08 textiles
- 19 12 09 minerals (for example sand, stones)
- 19 12 10 combustible waste (refuse derived fuel)
- 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
- 19 13 wastes from soil and groundwater remediation**
- 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
- 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03
- 19 13 06 sludges from groundwater remediation other than those mentioned in 19 13 05
- 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
- 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 34 batteries and accumulators other than those mentioned in 20 01 33
- 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

END OF PERMIT