



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Waste management licence

Environmental Protection Act 1990

Licence holder:

**Briton Ferry (Shipping
Services) Limited**

Licensed site address:

**Briton Ferry (Shipping
Services) Limited
Giants Wharf
Briton Ferry
Neath
S11 2LP**



Authorisation number

34183

Effective date

30 January 2001

Asiantaeth yr Amgylchedd

Glan Tawe, 154 Fford Sant Helen, Abertawe, SA1 4DF

Ffon 01792 645300, Ffacs 01792 470068

Environment Agency

Glan Tawe, 154 St Helens Road, Swansea, SA1 4DF

Tel 01792 645300, Fax 01792 470068

Contents

	Page Number
Introduction	iii
Status log	iv
Working plan	v
Authorisation	1
Conditions	2
1 General considerations.....	2
2 Site engineering for pollution prevention	10
3 Site infrastructure	12
4 Site operations.....	13
5 Pollution control, monitoring and reporting	20
6 Amenity management and reporting	23
7 Site records	25
8 Interpretation	28
Rights of appeal	32

Working plan

- ◆ The working plan is the operators document and is submitted by the applicant with the application for a Waste Management Licence, it provides:
 - Information to the Environment Agency to enable it to set licence conditions
 - Information to the operator and staff on how the facility should be managed

- ◆ The submitted and accepted working plan consists of the following documents, plans and drawings:
 - **Working Plan** for the Receipt, Storage and Transfer of Controlled waste at Giants Wharf, Briton Ferry

 - **Appendix A, Existing Site plans**
djp/bfss/wp/200, Licence Application area
djp/bfss/wp/201, General Layout of the Facility and Operational Storage of Special Waste

 - **Appendix B, Working Plan Drawings**
djp/bfss/wp/002, Bulk Stores 1 & 2, Ground Plan + Longitudinal section
djp/bfss/wp/003, Bulk Stores 1, 2 & 3, Cross sections
djp/bfss/wp/004, Bulk Store 3, Ground Plan + Longitudinal section
djp/bfss/wp/005, Bulk Store 4, Ground Plan + Longitudinal section

 - **Appendix C, Schedule of waste to be accepted at the facility**

 - **Appendix D, Operational Flow Charts and Method Statements**
Insert 1, Waste Movements Plan, djp/bfss/wp/009
Insert 2, Photographic illustration of loading shovel used within storage shed
Insert 3, Photographic illustration of dedicated skips used for loading vessels
Insert 4, Photographic illustration of crane used to handle loading of skips at wharf
Flowchart 1, Waste Reception and Storage
Flowchart 2, Waste Dispatch

- **Appendix E, Engineers study of the Facility**

Part 1, Engineering Assessment

Part 2, Recommendations

Hyder Plan DJP/BFSS/wp/203

- **Site Surface Water Drainage Plan, dated 12.09.00**

- **Appendix F, Waste acceptance and dispatch records**

Incoming Waste Acceptance Record Format

Outgoing Waste Dispatch Record Format

- **Appendix G, Financial Provisions**

Part 1, Bases of Financial Provisions Assessment

Part 2, Schedule of costs

Part 3, Financial Provisions agreement

- **Appendix H, Supporting Documents**

Dust monitoring

Part 1, Baseline Study

Part 2, Dust Monitoring Strategy

Part 3, Dust Monitoring Plan, DJP/BFSS/WP/204

- **Fire Action Plan**

Part 1, Principles of Fire Action Plan

Part 2, Fire Risk Assessment

Part 3, Plan of Fire Provisions at Briton Ferry Wharf

- **Risk Assessment**

- Aluvest AS, Aluminium Skimmings data sheets

- Pollution Incident Response Plan

- Noise Monitoring Survey of 22 November 1995

- Policy Statement, 11\9\2000

- **Technical Details of Gas Monitoring Equipment**

- Sections 1, 2 & 3

- ◆ The working plan and each appendix, plan and drawing forming and referenced in the working plan shall be:

- Titled

- Referenced to the latest version number

- Dated

- Signed by the operator

- Specify how many pages (e.g. page x of x or y) there are in each separate document or appendix.

Introduction

This note does not form part of the authorisation.

This licence is granted under Section 35 of the Environmental Protection Act 1990. It consists of the authorisation certificate, the site plan and subsequent conditions.

The licence is written to prevent the authorised activities causing pollution of the environment or harm to human health.

You are reminded that it is an offence under Section 33 of the Environmental Protection Act 1990 not to comply with the terms of this licence.

This licence does not free you from the need to comply with any other regulatory regimes controlled by other bodies (such as planning or environmental health etc).

The Agency is required to maintain an up to date copy of this licence on the public register, which is freely available to anyone wishing to view it.

If you wish to transfer or surrender the licence, or modify any of its conditions, you cannot do so without the consent of the Agency. Further advice can be obtained on these issues or any other aspect of the licence from your local Environment Agency office.



Authorisation

Environmental Protection Act 1990
Part II, Section 35

Waste management licence

Authorisation Number:
34183

Facility type:
Storage and Transfer

The Environment Agency, in pursuance of Part II of the Environmental Protection Act 1990, hereby grants a waste management licence authorising the
Keeping

of controlled waste on the land specified below, to
Briton Ferry (Shipping Services) Limited

Whose Registered Office is:
Briton Ferry (Shipping Services) Ltd
Giants Wharf
Briton Ferry
Neath
SA11 2LP

Whose company registration number is:
2821514

The licence relates to the land at;

Giants Wharf, Briton Ferry, Neath, (hereinafter called 'the site') shown edged in red ink on the Drawing, reference number djp/bfss/wp/200, dated September 2000, and attached to this licence.

This Authorisation shall have effect from
30 January 2001

Signed

Audrey Evans
For the Area Environmental Planning Manager South West Wales

Date of signing



Conditions

1 General considerations

1.1 **Specified waste management operations**

Specified waste management operations

- 1.1.1 No waste management operations shall be authorised by this licence unless specified in and undertaken in accordance with the limitations in Table 1.1.1 overleaf:

Table 1.1.1 Specified waste management operations		
Specified waste management operation	Restrictions on otherwise permitted waste types which shall be subject to the specified operation	Limits on specified waste management operations
<p>R13: Storage of waste consisting of materials intended for submission to any operation in this column numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced):</p> <p>(R1: Reclamation or regeneration of solvents. R2: Recycling or reclamation of organic substances which are not used as solvents. R3: Recycling or reclamation of metals and metal compounds. R4: Recycling or reclamation of other inorganic materials. R5: Regeneration of acids or bases. R6: Recovery of components used for pollution abatement. R7: Recovery of components from catalysts. R8: Re-refining, or other reuses, of oil which is waste. R9: Use of waste principally as a fuel or for other means of generating energy. R10: Spreading of waste on land resulting in benefit to agriculture or ecological improvement. R11: Use of wastes obtained from any of the operations in this column numbered R1 to R10. R12: Exchange of wastes for submission to any of the operations in this column numbered R1 to R11).</p>	<p>(a) Wastes which exhibit hazardous properties; H3A-v:- "Highly Flammable", substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities, and /or, H12;- Substances and preparations which release toxic or very toxic gases in contact with water, air or an acid.</p> <p>(b) Wastes which are, dust, friable or contain dust at 3 percent or more by weight of dry material.</p>	<p>Receipt, storage and transfer:</p> <p>a) of wastes specified in column 2; (a) of this table, shall be kept dry at all times, and shall not be exposed to the following hydrometeorological conditions;</p> <p>i) a relative humidity of more than 84.2%, ii) the dew point, iii) precipitation.</p> <p>b) of wastes specified in column 2; (b) of this table, shall not be exposed to wind speeds in excess of scale 3 (10 knots) on the Beaufort scale.</p> <p>Storage of wastes during transfer loading operations onto or from ships: shall be carried out in accordance with the measures also specified in sections; 1.6 and 1.7 of appendix D.</p> <p>Maximum total storage capacity: on the site at any one time, shall not exceed the operational storage capacities specified in either section 1.1, iii), of the working plan or Part 2 of Appendix G of the working plan.</p> <p>Maximum storage time: for keeping wastes on the site prior to the specified recovery activity R13, specified in column 1 of this table, shall not exceed 180 days.</p> <p>Storage areas: for keeping wastes on the site prior to transfer loading onto the Wharf site shall be within the specified areas outlined in red and hatched in orange in drawing djp/bfss/wp/201 of appendix A to the working plan.</p>

Exempt waste management activities

1.1.2 Where wastes are being brought onto the site for waste management activities which are exempt from licensing under the Waste Management Licensing Regulations 1994 or any statutory provisions amending or replacing them, then those wastes shall be kept clearly segregated and identified from wastes which are being kept on the site for the specified waste management operations under these licence conditions.

1.2 **Permitted wastes**

Permitted waste categories and quantities:

1.2.1 No wastes other than those that are both categorised in table 1.2.1 below and specified in detail in appendix C and part 1 of appendix D of the working plan shall be accepted at the site.

Table 1.2.1 Permitted waste categories and quantities

Permitted Waste Categories	Maximum Permitted Quantities (tonnes/year)
Green and Amber list wastes, (which may also be categorised as Inert wastes, Scrap Metal, or Special Wastes) as specified in section 5.4 and 5.5 (appendix C to the working plan) of the Waste Management Licence application form, signed and dated 12.09.2000	74,999

Exclusion of waste types with specified characteristics

1.2.2 Wastes shall not be accepted which have any of the following specified characteristics:

- a Wastes which display any of the hazardous properties defined by the following Hazard Codes (as defined in Part II of Schedule 2 of The Special Waste Regulations 1996) specified in table 1.2.2A below:

Table 1.2.2A Hazard codes and their hazardous properties

Hazard Code	Hazardous Properties
H1	Explosive
H2	Oxidising
H3-A, indents i, ii, iii and iv only, not including indent v.	Highly Flammable
H3-B	Flammable
H9	Infectious

- b** Wastes which are of the following form and category specified in table 1.2.2B below:

Table 1.2.2B Waste forms and categories	
Waste Form	Category
Sludges, Slurries and Thixotropic substances	Not-Special Special
Liquid wastes	Not-Special Special
Pressurised gases in containers	Special

- c** Wastes which are of the following type and property specified in table 1.2.2C below:

Table 1.2.2C Waste types and properties	
Waste Type	Property
Clinical Wastes	All properties
Household Wastes	Readily degradable
Commercial Wastes	Readily degradable
Industrial Wastes	Readily degradable
Household, Commercial or Industrial Wastes	At a temperature of 80° Celsius or above

1.3 Hours of operation

- 1.3.1 The specified waste management operations authorised by this licence shall only be carried out within the times specified in section 1.3 of the working plan.

1.4 Staffing and understanding of requirements of licence conditions and working plan

Minimum staffing and supervision

- 1.4.1 Whenever the site is open to receive waste it shall be supervised by at least one member of staff who is fully conversant with the requirements of the licence and the working plan regarding:
- a** waste acceptance and control procedures;
 - b** operational controls and environmental monitoring;
 - c** maintenance;
 - d** record-keeping;
 - e** emergency action plans;
 - f** notifications to the Agency.

Availability of licence and working plan

- 1.4.2 A copy of this licence and the working plan shall be kept available on site for reference when required by all site staff carrying out work under the requirements of the licence.

Understanding of licence and working plan

- 1.4.3 All site staff shall be, or shall work under the direct supervision of a member of staff who is, fully conversant with those aspects of the licence conditions and working plan which are relevant to their specific duties.

1.5 Changes in technically competent persons

- 1.5.1 Any changes in the technically competent management of the site 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.

1.6 Relevant convictions

Notification of relevant convictions

- 1.6.1 In the event of the Licence Holder and/or any relevant person being convicted of any relevant offence (as defined in Regulation 3 of the Waste Management Licensing Regulations 1994 or any amendment to the aforementioned Regulation), 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.

Notifications of appeals against convictions

- 1.6.2 In the event that the Licence Holder lodges an appeal against any such conviction, the Licence Holder shall notify the Agency of this within 14 days of the lodging. The Licence Holder shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided.

1.7 Maintenance of financial provision

- 1.7.1 The financial provision for meeting the obligations under this Licence set out in the Agreement made between the Licence Holder and the agency dated 30 January 2001 shall be maintained by the Licence Holder throughout the subsistence of this Licence and the Licence Holder shall produce evidence of such provision whenever required by the Agency.

1.8 Amendments to working plan and supporting information

Amendments to working plan requiring prior consent from the Agency

1.8.1 The Licence Holder shall give the Agency prior notice in writing of any proposed change to those sections of the working plan which are specified in Table 1.8.1 overleaf, and to any appendices, drawings and figures which are referenced in those sections.

Table 1.8.1 Sections of working plan requiring prior consent for amendments	
Number and Heading of Working Plan Sections, appendices and plans	Sections and Appendices requiring Prior Consent for Amendments
Working plan; General considerations	1.1iii & 1.3
Working plan; Site infrastructure	3.1
Working plan; Site operations	4.4, 4.5, 4.6, 4.7, 4.8 and 4.9
Working plan; Pollution control, monitoring and reporting	5.1, 5.2 and 5.5
Working plan; Amenity management and monitoring	6.4
Working plan; Site records	7.1 and 7.2
Appendix B, Working plan drawings	djp/bfss/200, djp/bfss/201
Appendix C, Schedule of wastes to be accepted at the facility	Green (annex II) and Amber (annex III) List Wastes
Appendix D, Operational flowcharts and method statements	Part 1 (inclusive)
Appendix E, Engineers study of the facility	Part 1 and Part 2 (inclusive).
Surface Water Drainage Plan Dated 12.09.00	All drainage details included on the plan.
Appendix F, Waste Acceptance and Dispatch Records	Inclusive
Appendix G, Financial Provisions	Part 1, Part 2 and Part 3 (inclusive)
Appendix H, Supporting documents	Fire action plan, Part 1, Part 2 and Part 3 (inclusive). Dust monitoring plan, Part 1, Part 2 and Part 3 (inclusive). Gas Monitoring Equipment, sections 1, 2 & 3

1.8.2 The notice shall be accompanied by a copy of the proposed changes, and by a written assessment of the effect that implementing the proposed change to the working plan would have on the risk posed by the site to human health and the environment.

1.8.3 The Licence Holder shall provide up to 6 additional copies of the proposed change and supporting risk assessment to the Agency, when required by the Agency in writing.

1.8.4 The proposed change to the working plan shall not be implemented unless the Agency has given its written consent to it. Following consent, the Licence Holder shall give the Agency prior written notification of the implementation date of the change, and from that date the changed section shall be deemed to be incorporated in the working plan in replacement of the previous version of that section.

Amendments to the working plan requiring prior notification to the Agency

1.8.5 Except where it is specified under condition 1.8.1 above that the amendment of specified sections of the working plan requires the prior consent of the Agency, the Licence Holder shall give the Agency not less than 7 days prior written notice of any change to the working plan and to any appendices, drawings and figures which are referenced from those sections.

1.8.6 The notice shall be accompanied by a copy of the specified changes.

1.8.7 The Licence Holder shall provide up to 6 additional copies of the proposed change to the Agency, when required by the Agency in writing.

Such changes to the working plan shall be deemed to be incorporated in the working plan and implemented on the date specified to the Agency in the amendment notification.

1.9 Notification of change of operators/holders details

1.9.1 The following information shall be notified in writing within 5 working days to the Agency:

- a where the Licence Holder is an individual or named individuals in a partnership:
 - i the death of the Licence Holder;
 - ii any steps taken with a view to the Licence Holder going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of a partnership, dissolving the partnership;
 - iii any change in the operator's trading name, registered name or registered office address (if different from the Licence Holder);
- b where the Licence Holder is a registered company:
 - i any change in the Licence Holder's trading name, registered name or registered office address;
 - ii any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
 - iii any change in the operator's trading name, registered name or registered office address (if different from the Licence Holder).

1.10 Notification of preparatory works

1.10.1 No preparatory works shall be undertaken unless at least 7 days notice in writing have been given to the Agency of the intention to do so. The notification shall include details of what work is being done and when.

1.11 Notification of commencement, cessation and recommencement of waste handling operations

Commencement of waste management operations

- 1.11.1 No specified waste management operation shall be carried out until at least 3 days notice in writing has been given to the Agency of the intention to commence carrying out the specified waste management operation.

Cessation of waste management operations

- 1.11.2 In the event that the site ceases all waste management operations either permanently or for longer than 170 days then no later than 5 working days following the cessation of waste management activities the Licence Holder shall inform the Agency in writing of the date of cessation and the planned date of recommencement. In the event that the site recommences waste management operations sooner than the notified date then the Licence Holder shall give the Agency at least 3 working days notice in writing.

1.12 Notifications to the agency

- 1.12.1 Except where otherwise specified, all notifications and submissions to the Agency under the requirements of these licence conditions:
- a shall be made in writing to the address specified by the Agency in writing at the time of issue of this licence, or as subsequently specified by written notification to the Licence Holder;
 - b shall quote the licence reference number and the name of the Licence Holder.

2 Site engineering for pollution prevention

2.1 Engineered site containment and drainage systems

Provision and maintenance of site structure, containment and drainage systems

No waste shall be deposited, stored, treated or otherwise handled in any area of the site until the engineered site structure, containment and drainage system for that area has been constructed and completed in accordance with part 1, and recommended in part 2 of appendix E (engineers study of the facility) of the working plan.

2.1.1 The engineered site structure, containment and drainage systems shall be designed, constructed, inspected, validated and maintained, and shall be fully documented and recorded, to be fit for purpose and to meet the standards specified in part 1, and recommended in part 2 of appendix E (engineers study of the facility) of the working plan.

2.1.2 All site roads and operational areas used for the movement of plant within the site for those activities specified in appendix D of the working plan shall be inspected and maintained to the standards specified in part 2 of appendix E of the working plan to prevent pitting and ponding of surface waters and to achieve the objectives specified in Table 2.1.4 below;

Table 2.1.4 Surface water drainage systems for site roads and operational areas

Site roads and operational areas	Specified standards
Design of surface water run-off	Surface water shall not be allowed to collect on the site roads or operational areas of the site. Surface water shall be collected via the surface water drains in accordance with specifications specified in section 1.2.5 of appendix E of the working plan and the site surface water drainage plan dated 12.09.00.
Operation of surface water management systems	Surface water drainage systems shall be operated in accordance with the measures specified in appendix E of the working plan.
Inspection and maintenance of surface water management systems	Surface water drainage systems shall be inspected and maintained in accordance with the measures specified in section 2.9.0 of appendix E of the working plan.
Records	Records shall be kept of the routine maintenance procedures specified in section 2.9.0 of appendix E of the working plan.

Construction quality assurance of new site containment and drainage systems

2.1.3 No wastes shall be deposited, stored, treated or otherwise handled in any area for which an engineered site containment and drainage system has been newly constructed to meet the requirements of this condition until:

- a details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the engineered site containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency;
- b the engineered site containment and drainage system has been constructed in accordance with part 2 of appendix E (engineers study of the facility) of the working plan;
- c the Validation Report on the construction of the engineered site containment and drainage system has been submitted in writing to the Agency and has been acknowledged in writing by the Agency.

Construction quality assurance of existing site containment and drainage systems

2.1.4 No wastes shall be deposited, stored, treated or otherwise handled in any area for which a previously constructed and existing engineered site containment and drainage system is being used to meet the requirements of this condition unless:

- a details of the identities, relevant experience and relevant qualifications of the suitably qualified Engineer who will be providing inspection and validation of the existing engineered site containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency;
- b the engineered site containment and drainage system for that area has been inspected by the designated Engineer and has been maintained or improved, in accordance with their recorded advice, to meet the standards specified in part 2 of appendix E (engineers study of the facility) of the working plan;
- c the Validation Report confirming that the engineered site containment and drainage system meets the specified standards and has been submitted in writing to the Agency and has been acknowledged in writing by the Agency.

3

Site Infrastructure

3.1 **Provision of site identification board**

3.1.1 No wastes shall be received at the site until an identification board has been provided at or near the site entrance.

3.1.2 The identification board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within 3 working days.

3.1.3 The board shall be easily readable from outside the site entrance in daylight hours, and shall display the following information:

- a Site name and address;
- b Licence Holder name;
- c Operator name (if different from licence holder);
- d Licence number;
- e Emergency contact name and telephone number (for security reasons, personal names and home phone numbers should not be used except where no alternative is practicable);
- f Statement that the site is licensed by the Environment Agency;
- g Agency national numbers: 0645 333111 and 0800 807060;
- h Days and hours site is open to receive waste.

The location of the noticeboard should be such that it is clear that it does not designate areas outside the licensed site and does not encourage illegal tipping.]

3.1.4 The storage areas within the site shall also be identified, the storage areas shall provide information on:

- a Types of wastes stored ;
- b Hazards;
- c Safety measures for handling;
- d Emergency precautions and procedures

3.2 **Site security**

3.2.1 Site security systems shall be provided at all times during the subsistence of this licence, the objective of which shall be to prevent access by humans and livestock which is not authorised either by the Licence Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with section 3.1 of the working plan.

4 Site operations

4.1 Control of mud and debris

Prevention of mud and debris on road

4.1.1 Whenever the site is receiving or despatching wastes, equipment shall be provided, operated and maintained as specified in the table below:

Equipment	Location
A stiff bristled brush and shovel.	Within the bulk storage sheds adjacent to the door of the vehicle exit route.

The specified equipment shall be maintained in good working order, and kept at the specified location with the objective of preventing the deposit or tracking of mud or debris arising from the storage sheds onto areas outside the storage sheds and public areas outside the site.

Public areas outside the site shall include public highways and areas of public access outside the site.

4.1.2 All vehicles leaving areas of the site which are operational or upon which engineering works are being carried out, shall, before leaving the site, be cleaned as necessary using the specified equipment and, shall be checked to ensure that they are clear of loose waste and that their loads are secure.

Remediation of mud and debris on road

4.1.3 In the event that mud or debris arising from the site is deposited onto areas outside the storage sheds or public areas outside the site, remedial measures shall be implemented immediately, in accordance with the following requirements:

- a Manual road cleaning;
- b Mechanical road cleaning.

4.2 Potentially polluting leaks and spillages of waste

Potentially polluting leaks and spillages from vehicles, plant and equipment

4.2.1 All vehicles used on the site by the operator, and all plant and all equipment used on the site in connection with specified waste management operations, shall be operated and maintained with the objective of preventing potentially polluting leaks and spillages of wastes.

Potentially polluting leaks and spillages from drums and other mobile containers

4.2.2 Each drum or other mobile container used to hold wastes which consist of or contain potentially polluting liquids, sludges or powders, shall be, while on the site:

- a** loaded and unloaded in accordance with the specified handling procedures;
- b** filled and emptied in accordance with the specified filling and emptying procedures;
- c** clearly and unambiguously labelled regarding its contents, unless the contents are clearly identifiable by visual inspection;
- d** inspected and maintained according to the specified maintenance schedules and procedures, which shall be fully documented and recorded;
- e** in the event of damage or deterioration to a container that is, or is likely to cause, a leak, that container shall be repaired or replaced immediately;

and these actions shall be carried out in accordance with section 4.3 of the working plan and 2.8.0 of appendix E of the working plan and the standards specified in Table 4.2.2 overleaf.

Table 4.2.2 Standards for prevention and control of leaks and spillages

Action	Specified standards
Loading and unloading drums and other mobile containers	Constant visual supervision by the site supervisor for all operations specified in sections 4.4, 4.7 and 4.8 of the working plan.
Filling and emptying drums and other mobile containers	Constant visual supervision by the site supervisor for all operations specified in sections 4.4, 4.7 and 4.8 of the working plan.
Measurement of level and/or voidspace in drums and other mobile containers	Constant visual supervision by the site supervisor for all operations specified in sections 4.4, 4.7 and 4.8 of the working plan.
Inspection, maintenance and repair of drums and other mobile containers	Constant visual supervision by the site supervisor for all operations specified in sections 4.4, 4.7 and 4.8 of the working plan. In the event of damage or deterioration being detected to any drum or other tank or container that is causing, or is likely to cause, a leak, that drum or other mobile tank or container shall be repaired or replaced immediately.
Control and remediation of leaks and spillages	In the event of a leak or spillage of waste within the confines of the site the following measures shall be implemented immediately: a) The waste shall be retrieved and the effected area shall be cleared of all waste debris. b) Drains and gullies shall be protected or sealed to prevent the waste from entering the drainage systems c) A record of the leak or spillage and the remedial measures taken shall be made in the site diary and/or site log
Leak and spillage action plan	Loading or off loading operations shall be carried out with the objective of preventing the spillage and deposit of waste into controlled waters. In the event of any waste spillages entering controlled waters all operations involving loading or off loading ships vessels on the Wharf shall cease, and the Environment Agency shall be contacted and notified in writing immediately. A leak and spillage action plan shall be prepared by the operator for submission and approval by the Environment Agency before any further operations involving loading or off loading ships vessels recommences.

Leak and spillage action plan

4.2.3

In the event of any leak or spillage which may compromise the effectiveness of the pollution control regime and which either is leading or may imminently lead to pollution of the environment, harm to human health or serious detriment of the amenities of the locality, a Leak and Spillage Action Plan shall be implemented immediately and recorded, in accordance the standards specified in Table 4.2.2 above.

4.3 Fires on the site*Prohibition of unauthorised fires on site*

4.3.1 No wastes shall be burned on the site.

Fire action plan

4.3.2 In the event of a fire on the site, the fire action plan shall be carried out in accordance with appendix H, Fire Action Plan for the Receipt, Storage and Transfer of Controlled waste at Giants Wharf, Briton Ferry, of the working plan, and shall be implemented immediately and recorded in the site diary.

4.4 Waste acceptance and control procedures*Waste acceptance procedures*

4.4.1 All wastes shall be received, inspected, accepted or rejected, and recorded in accordance with sections 4.4 and 4.5 of the working plan.

Waste documentation for acceptance and dispatch procedures

4.4.2 All wastes specified in table 4.4.2 below shall only be accepted and dispatched if the correct documentation specified in table 4.4.2 below, is provided with the waste, and the waste also conforms to the information specified in that documentation:

Table 4.4.2 Waste Documentation

Specified Wastes	Specified Documentation and details
Green list	All documentation and details as required by Article 11 of Council Regulation (EEC) No. 259/93 or any subsequent regulations amending or replacing them.
Amber list	All documentation and details as required by the Organisation for Economic Co-operation and Development, Environmental Monograph OCDE/GD(95)26, concerning Transfrontier Movements of Wastes destined for recovery operations, or any subsequent regulations amending or replacing them.
Special Waste	All documentation and details as required on the consignment note as required by Schedule I of the Special Waste Regulations 1996 or any subsequent regulations amending or replacing them.

Waste control procedures

4.4.3 All wastes accepted at the site shall be kept, handled, and recorded in accordance with appendix D and F of the working plan.

Waste despatch procedures

4.4.4 All outgoing wastes shall be inspected, dispatched, and recorded in accordance with appendix D and F of the working plan.

Incompatible wastes

- 4.4.5 Incompatible wastes which are likely, in combination with each other or with other material at the facility, to give rise to pollution of the environment or harm to human health outside the site, shall be clearly identified and kept physically separate in designated areas, in accordance with section 4.4 v) and 4.9 of the working plan.

Identification of wastes

- 4.4.6 Wastes in packages and containers shall be clearly identified, wastes which may display hazardous properties shall be labelled and packaged in accordance with the appropriate requirements of the Chemical Hazards Packaging Information for Supply Regulations 1994 (CHIP), The carriage of dangerous goods(classification, packaging and labelling) and use of transportable pressure receptacles regulations 1996 (Approved Carriage list) and the International Maritime Dangerous Goods classification (IMDG), or any subsequent regulations amending or replacing them.

Notices clearly describing the wastes types and any associated hazards shall be provided for all wastes (whether in containers, packages or in loose/bulk form) kept on the site.

4.5 Waste sampling and testing

- 4.5.1 All incoming wastes shall be sampled and tested to confirm their composition and characteristics, in accordance with section 4.4 i), ii) and iii) of the working plan.

Wastes which are capable of releasing hazardous gases in contact with water, damp air, air or an acid, shall in addition, also be sampled and tested to confirm their composition and characteristics, in accordance with the standards specified in Table 4.5.1 overleaf.

Table 4.5.1 Waste sampling and testing system standards

Waste Types which are required to be sampled and tested	Specified standards for sampling and testing
<p>Wastes which exhibit hazardous properties:</p> <p>H3A-v:- "Highly Flammable", substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities,</p> <p>and/or;</p> <p>H12:- Substances and preparations which release toxic or very toxic gases in contact with water, air or an acid.</p>	<p>A) Each load or individual container or package shall be tested for the presence and release of the following gases: Methane, Acetylene, Hydrogen, Hydrogen Sulphide and Phosphine. and/or; Hydrogen Sulphide, Phosphine and Ammonia.</p> <p>B) Method of testing may be carried out using a portable hand held electronic meter(s), providing that they are intrinsically safe and are regularly calibrated in accordance with the manufacturers specifications. Other suitable methods of testing not specified above shall be described and submitted to the Agency for approval.</p> <p>C) Records of testing and the measurements taken for the gases specified in this table 4.5.1, column 2, A) above shall be recorded as specified in appendix F to the working plan. The site diary shall record the types and levels of any gasses detected and identify which load or individual container or package the test relates to.</p>

4.6

Waste quantity measurement systems

Means of measurement

4.6.1

All wastes accepted at and despatched from the site shall be measured in accordance with section 4.6 of the working plan and the following requirements:

- a The weighbridge shall record quantities of wastes in tonnes to an accuracy of 0.01 tonnes.

4.7

Storage of wastes

4.7.1

All wastes accepted at the site shall be stored on the site in accordance with 4.7 and appendix B of the working plan.

4.8 Removal of residual wastes from site

- 4.8.1 In the event that the specified waste management operations on the site cease and the Agency has reasonable grounds to believe that they will not be resumed within 180 days, then, notwithstanding the operational limits on storage times of wastes specified in the other conditions of this licence, the licence holder shall ensure that all wastes remaining on the site shall be removed by the date specified by the Agency in writing. This shall include, where required by the Agency, decontamination of plant, equipment and engineered containment used in the specified waste management operations.

5 **Pollution control, monitoring and reporting**

Monitoring and reporting of Highly/Extremely Flammable and Toxic (including very toxic) gases

Provision of Highly/Extremely Flammable and/or Toxic (including very toxic) gases monitoring system

5.1.1 Monitoring of all Highly/Extremely Flammable (F+) and/or Toxic (including very toxic) gases (T & T+) shall be carried out within the confines of bulk storage sheds 1, 2, 3 & 4 at all times whilst wastes that are capable of producing those gases are being stored there.

5.1.2 Monitoring shall be in accordance with appendix H, Gas monitoring Equipment of the working plan for gases specified in Table 5.1.2 below.

Table 5.1.2 Locations of monitoring points for Highly/Extremely Flammable and Toxic (including very toxic) gases

Gases (and their hazard classification symbol(s) to be monitored	Location of monitoring point
Highly/Extremely Flammable gases, (F+)	As specified in appendix H of the working plan and detailed in the on-site commissioning report prepared by Drager.
Toxic (including very toxic) gases, (T & T+)	As specified in appendix H of the working plan and detailed in the on-site commissioning report prepared by Drager..

Highly/Extremely Flammable and Toxic (including very toxic) gases monitoring programme

5.1.3 Monitoring of Highly/Extremely Flammable and Toxic (including very toxic) gases produced within the confines of bulk storage sheds 1, 2, 3 & 4 shall be carried out and recorded in accordance with appendix H, Gas monitoring Equipment of the working plan and to the standards specified in Table 5.1.3 overleaf.

Table 5.1.3 Standards for monitoring programme for Highly/Extremely Flammable and/or Toxic (including very toxic) gases

Specified gases, and (hazard symbol(s))	Monitoring frequencies	Accuracy	Trigger levels and Units	
			Set at: 20% of the Lower Explosive Limit (LEL)	Set at: the long term (8 hour) Occupational Exposure Limit (OEL)
Hydrogen, (F+)	Continuous	+/- 5% of the given LEL	0.9% v/v in air	
Methane, (F+)	Continuous	+/- 5% of the given LEL	1% v/v in air	
Acetylene, (F+)	Continuous	+/- 5% of the given LEL	0.5% v/v in air	
Hydrogen Sulphide, (F+, T+)	Continuous	+/- 5% of the given LEL and OEL	0.8% v/v in air	10ppm or 14mg.M ³
Phosphine, (F+, T+)	Continuous	+/- 5% of the given LEL and OEL	0.2% v/v in air	0.1 ppm or 0.14mg.M ³
Ammonia, (T)	Continuous	+/- 5% of the given OEL		25ppm or 18mg.M ³

Mean trigger levels for two or more Highly/Extremely Flammable and/or Toxic (including very toxic) gases

- 5.1.4 The mean LEL trigger levels for 2 or more Highly/Extremely Flammable gases (F+), shall be calculated and shall not be exceeded, and the mean OEL trigger levels for 2 or more Toxic (including very toxic) gases, shall be calculated and shall not be exceeded.

Monitoring records

- 5.1.5 A record of the Highly/Extremely Flammable and/or Toxic (including very toxic) gases monitoring results shall be made in accordance with section 5.2 of the working plan.

Highly/Extremely Flammable and/or Toxic (including very toxic) gases monitoring action plan

- 5.1.6 In the event that any results exceed the trigger levels specified in table 5.1.3 above, or in section 5.2 of the working plan for gases not specified in table 5.1.3 above:
- a the results shall be notified to the Agency in writing immediately;
 - b the Highly/Extremely Flammable and/or Toxic (including very toxic) gases action plan specified in section 5.2 of the working plan shall be implemented immediately.

5.2 **Monitoring and reporting of meteorological and hydro-meteorological conditions**

Provision of meteorological and hydro-meteorological conditions monitoring system

5.2.1 Meteorological and hydro meteorological monitoring shall be carried out on the Wharf during loading or unloading ships vessels in accordance with Table 5.2.1 below:

Meteorological and hydro-meteorological conditions to be monitored	Location of monitoring point
Windspeed and direction	On the Wharf.
Humidity	On the Wharf.
Dew Point	On the Wharf.
Precipitation	On the Wharf.

for wastes which are:

- a dust, friable or contain dust at 3 percent or more by weight of dry material;
- b Highly Flammable substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities;
- c Substances and preparations which release toxic or very toxic gases in contact with water, air or an acid

Meteorological and hydro-meteorological monitoring records

5.2.2 A record of the meteorological conditions monitoring results shall be made at all times during transfer loading operations on the Wharf, these records shall be kept in the site diary and or site log.

Meteorological and hydro-meteorological monitoring action plan

5.2.3 In the event that any results exceed the trigger levels specified in condition 1.1.1, Table 1.1.1, column 3, a) and/or b) of this licence, for wastes which are:

- a dust, friable or contain dust at 3 percent or more by weight of dry material;
- b Highly Flammable substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities;
- c Substances and preparations which release toxic or very toxic gases in contact with water, air or an acid;

transfer loading operations on the Wharf shall not commence, or shall cease immediately.

5.2.4 In the event that any results exceed the trigger levels specified for other wastes not specified in condition 5.2.3 above, a meteorological and hydro-meteorological conditions action plan shall be implemented immediately in accordance with section 5.2 of the working plan.

6 Amenity management and reporting

6.1 **Control, monitoring and reporting of dusts, fibres and particulates**

6.1.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of dusts, fibres and particulates from the site, in accordance with this condition and Appendix H Dust Monitoring and section 2.8.0 of Appendix E of the working plan.

The objective of these measures shall be to minimise the release of airborne dusts, fibres and particulates arising from the specified waste management operations and to prevent releases in such quantities or concentrations that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality.

6.1.2 All emissions to air from the specified waste management operations on the site shall be free from visible concentrations of dusts, fibres or particulates as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Agency.

6.1.3 In the event that any dusts, fibres or particulates arising from the site are released or are likely to be released outside the site boundary in such quantities or concentrations that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, the actions specified in Appendix H Dust Monitoring and section 2.8.0 of Appendix E of the working plan, shall be implemented immediately.

Provision of monitoring system

6.1.4 Monitoring of dusts, fibres and particulates arising from mechanical handling of wastes, shall be carried out in the vicinity of the site and at locations specified in Appendix H, Dust monitoring, of Appendix E of the working plan.

Monitoring and sampling records

6.1.5 A record of the monitoring and sampling results shall be made in accordance with Appendix H, Dust Monitoring, of the working plan.

6.1.6 A copy of the quality assured records of each monitoring and sampling result, with an interpretation of the results against background and trigger levels, shall be submitted to the Agency on a 3 monthly basis and within 1 month of it being carried out, in the format specified in Appendix H, Dust Monitoring, of the working plan.

- 6.1.7 In the event that any results exceed the trigger levels specified in Appendix H Dust Monitoring of the working plan:
- a the results shall be notified to the Agency immediately and confirmed in writing immediately;
 - b the dust monitoring action plan specified in Appendix H Dust Monitoring of the working plan shall be implemented immediately.

6.2 Control of odours

6.2.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of odours from the site, in accordance with this condition and sections 6.1, 5.2 of the working plan and 2.6.0 of appendix E of the working plan.

6.2.2 All emissions to air from the specified waste management operations on the site shall be free from odours at levels as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Agency.

6.3 Control of noise

Noise monitoring standards

6.3.1 Noise levels arising from operations on the site shall not exceed the levels specified in Table 6.3.1 below:

Table 6.3.1 Standards for noise control measures

Noise control measures	Specified standards
Noise prevention	Silencing equipment on all powered plant and equipment specified in section 1.8.0 of appendix E of the working plan, shall be maintained in accordance with manufacturer's instructions.
Maximum noise levels	Maximum noise levels shall not exceed 65 decibels at 250 meters from the site boundary

6.4 Control of litter

Measures shall be implemented and maintained throughout the operational life of the site to control and monitor the escape of litter from the confines of the site, in accordance with section 6.4 of the working plan.

6.4.1 In the event that litter does escape from the site, it shall be retrieved as soon as practicable.

7 Site records

7.1 Security and availability of records

Security of records

- 7.1.1 All records which are required to be made under the other conditions of this licence and the working plan shall be maintained and kept secure from loss, damage or deterioration, and shall be kept in accordance with section 7.1 of the working plan.

Availability of records

- 7.1.2 All records which are required to be made under the other conditions of this licence and the working plan shall be made available for inspection at the place where they are kept immediately when required by an authorised officer of the Agency.

7.2 Recording special waste deposits

- 7.2.1 A record shall be maintained of the location of each special waste deposit in accordance with section 7.2 of the working plan.

7.3 Records of waste movements

Recording of wastes accepted and removed/dispatched

- 7.3.1 A record shall be kept of each load and/or shipments of waste accepted, and each load and/or shipment of waste removed/dispatched from the site in a format as specified in Appendix F of the working plan. This record shall include the following details:
- a For waste received:
 - (i) Origin and producer of the waste
 - (ii) Date received
 - (iii) Description of the waste type
 - (iv) Quantity of the waste (in tonnes)
 - (v) Type of containment or packaging of the waste (e.g. drums, loose in bulk tipper, bags etc.)
 - (vi) Physical nature of the waste (e.g. solid, powder (dust) etc.)

(vii) All the prefix and reference numbers of the Special Waste consignment notes, waste transfer notes and Transfrontier Shipment of Wastes (TFS) documents (including the certificates of recovery), which shall also include the TFS shipment number of the tracking form for multiple shipments on one notification.

b For waste removed/dispatched:

(i) Destination and recoverer of the waste

(ii) Date of removal/dispatch

(iii) Description of the waste type

(iv) Quantity of the waste (in tonnes)

(v) Type of containment or packaging used for the waste (e.g. drums, loose in bulk tipper, bags etc.)

(vi) Physical nature of the waste (e.g. solid, powder (dust))

(vii) All the prefix and reference numbers of the Special Waste consignment notes, waste transfer notes and Transfrontier Shipment of Wastes (TFS) documents (including the certificates of recovery), which shall also include the TFS shipment number of the tracking form for multiple shipments on one notification.

Summary records of wastes accepted and removed

7.3.2

A summary of the information, including nil returns, shall be submitted to the Agency, in the format specified by the Agency in Appendix1, which forms part of this condition. Summaries shall be for each quarter of the financial year and shall be submitted to the Agency within one month of the end of each quarter.

7.4

Site diary and/or site log

7.4.1

A site diary and/or site log shall be kept secure and shall be available for inspection at the site when required by an authorised officer of the Agency. This shall include a record of the following events as specified in the table overleaf:

Table 7.4.1 Site diary and/or site log	
Event	Reference to licence condition where applicable
Works to site engineering, containment and drainage	2 (inclusive)
Records of checks and routine maintenance	2.1.4
Site security and unauthorised access	3.2
Potentially polluting leaks and spillages of waste	4.2.2
Fires on the site	4.3.2
Incompatible and unscheduled wastes	4.4.5
Incoming waste sampling and testing	4.5.1, Table 4.5.1, column 2, C)
Monitoring of F+, T & T+ gases	5.1.5
Meteorological and Hydrometeorological monitoring	5.2.2
Monitoring and sampling of dusts	6.1.5
Records of waste movements	7.3.1
Records of significant events not otherwise specified, e.g. storm damage etc.	

7.4.2 Each record shall be completed within 24 hours of the relevant event.

7.5 **Periodic reporting of environmental performance**

7.5.1 The Licence Holder shall provide the Agency on an annual basis following the end of the financial year, a report on the environmental performance of the site, which shall include the following information:

- a** an analysis and review of the environmental monitoring results recorded for the site under these conditions, with an interpretation of the trend of the results against background and trigger levels;
- b** a review of the risk assessment for the site, taking account of the findings under (a);
- c** where changes to the risk assessment are identified under (b), a review of the risk management systems provided for the site.

8

Interpretation

8.1.1

In these conditions and their interpretation, unless the context otherwise requires, the following terms have the specified meanings:

The 1990 Act

The Environmental Protection Act 1990.

The 1995 Act

The Environment Act 1995.

The Agency

The Environment Agency.

The Site

The land, structures, plant and equipment to which this licence relates.

The Licence Holder

The Licence Holder specified in this licence or other person to whom the licence has been transferred in accordance with section 40 of the 1990 Act and section 120 of the 1995 Act.

The operator

A person who is in occupation of the site and has responsibility for carrying out day to day activities at the site.

Relevant offences

Offences within the meaning of regulation 3 of the Waste Management Licensing Regulations 1994 or any statutory provisions or regulations amending or replacing them.

Received

For waste being delivered to the site, shall mean delivered to the site and undergoing the waste acceptance procedures specified in the working plan, including storage of those wastes during those procedures prior to acceptance of the waste.

Accepted

For waste being delivered to the site, shall mean accepted as waste input to the site for storage and/or processing and/or disposal under the specified waste management operations.

Preparatory works

Works required prior to the carrying out of the activities authorised by this licence

Authorised officer of the Agency

A person authorised in writing by the Agency pursuant to section 108(1) of the 1995 Act to exercise any of the powers specified in subsection (4) of that section.

Engineered

For works specified in these conditions, means carried out and completed using the relevant engineering process specified in these conditions.

Engineering

For engineering works specified in these conditions, means the relevant process of design, construction or installation, quality assurance or validation or commissioning specified in these conditions.

Engineer

For engineering works specified in these conditions, means a person who works in the relevant branch of engineering, as a qualified professional.

Engineering survey

A survey carried out in accordance with recognised or approved standards by a suitably qualified competent person.

Maintenance

For engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in these conditions.

Working Plan

The working plan which has been approved by the Agency at the time of issue of this licence, and any subsequent amendments to it made in accordance with this licence.

Immediately

For carrying out of actions under the conditions, shall mean without delay and within a reasonable time, taking into account any more immediate direct action necessary to prevent or minimise risk to human health and the environment. For carrying out notifications to the Agency, shall also mean by the fastest effective means available (for example, telephone) and confirmed in writing within 1 working day (or such other time as may be agreed by the Agency within the conditions).

Waste

Waste shall be defined in accordance with section 75(4) of the 1990 Act, the Controlled Waste Regulations 1992 or EEC Waste Directive 75/442 (as amended) or any statutory provisions, regulations or Directives amending or replacing them.

Clinical waste

As defined in regulation 1(2) of the Controlled Waste Regulations 1992 or any statutory provisions amending or replacing them.

Special waste

As defined by regulation 2 of the Special Waste Regulations 1996 or any statutory provisions or regulations amending or replacing them.

Risk assessment

The systematic identification, analysis, estimation and evaluation within a defined **scope** of the defined **risks** of a particular activity, operation, process or design, carried out and reported by suitably qualified or competent persons, using recognised quantified or semi-quantified methods and techniques.

Unless otherwise agreed by the Agency within these conditions, a risk assessment shall include and record the following:

- definition of the **hazards** associated with an activity, operation, process or design;
- assessment of the **probability** of those **hazards** occurring;
- determination of the potential **consequences** of those hazards for defined **environmental targets or receptors**, taking into account defined **release pathways** and defined protective measures
- evaluation of the potential **magnitude** of those consequences and the **probability** of their occurrence.

Scope of risk assessment

The boundaries of the **risk assessment** and the **risks** to be assessed within those boundaries, as defined in the conditions or otherwise agreed by the Agency within the conditions.

Risk

A combination of the **probability** and **consequences** of occurrence of a defined **hazard**.

Hazard

A property or situation that in particular circumstances could lead to harm.

Probability

The quantified expression of chance, denoted either as:

- the ratio or percentage of the occurrence of a particular event as one among a number of possible events; or as
- the frequency of occurrence of a particular event in a given period of time.

Consequences

For **risk assessments** carried out within these conditions, the adverse effects of harm as a result of realising a **hazard** which cause the quality of human health (other than health and safety of site staff or visitors to the site covered under the Health and Safety at Work Act 1974) or the environment to be impaired in the short or longer term.

Release pathways

For **risk assessments** carried out within these conditions, the routes by which defined **hazards** may potentially realise their **consequences**, defined in terms of releases or emissions from the site that go beyond the site containment or boundary via one or more of the following routes, either directly or indirectly: **Land; Groundwater; Surface water; Atmosphere.**

Environmental targets or receptors

For **risk assessments** carried out within these conditions, shall mean identified human and environmental populations or components, as specified in these conditions or otherwise agreed by the Agency within these conditions.

Groundwater

Any water contained in underground strata.

Surface water

Any lake, pond, river or watercourse whether natural or artificial.

Relative Humidity

The ratio between the amount of water vapour that the air could hold, and what it actually does hold at the same temperature.

Dew point

The temperature at which, saturation of air would occur, if it were cooled to that temperature.

Dust

Solid particles that are smaller than 75 µm in Stokes diameter, and will not be retained on a sieve of aperture size 75 µm complying with BS 410.

Powder

Powder shall have the same interpretation as dust.

Friable

Solid materials that are easily crumbled by any physical action to produce a dust or powder.

Green and Amber list wastes

Wastes which are listed in annexes II and III to Council Regulation (EEC) no 259/93 (as amended), or any subsequent Regulations amending or replacing them.

The Site

All references to the site shall mean the land within the red outlined area as defined on plan djp/bfss/wp/200, dated September 2000

Rights of appeal

Section 43(1) of the Environmental Protection Act 1990 provides that, where except in pursuance of a direction given by the National Assembly for Wales a licence is granted subject to conditions

the applicant may appeal from the decision to the National Assembly for Wales

Therefore if you feel aggrieved by the decision or any of the conditions to the licence as granted you may obtain the appropriate form on which to give written notice of an appeal from:

The National Assembly for Wales,
Cathays Park
Cardiff,
CF10 3NQ.
Tel. 02920 825111

This notice of appeal should be accompanied by the following information:

- a statement of the grounds of appeal
- a copy of the licence
- a copy of any correspondence relevant to the appeal
- a copy of any other document relevant to the appeal including, in particular, any relevant consent, determination, notice, planning permission, established use certificate or certificate of lawful use or development
- a statement indicating whether you wish the appeal to be in the form of a hearing or on the basis of written representations.

You are also required to serve a copy of your notice of appeal together with copies of any of the above documents that have accompanied your notice of appeal, on the Environment Agency. You should appeal within 6 months of the date that this notice takes effect but the National Assembly for Wales allow notice of appeal to be given after the expiry of this time period.

Appendices to conditions

Appendix 1: Format for summary records of wastes accepted and removed

Introduction

Your waste management licence condition no. 7.3.2 requires you to provide to the Agency a summary of the records which you must keep of all wastes received and of all waste materials removed from the site. This set of instructions specifies the format of the summary which is required by the Agency. A standard form is provided (Ref. 00/IA) which you must use when completing summary returns to comply with the licence condition. Please retain it as a master and photocopy it each time you make a return. An electronic version is available on request.

Waste type and quantity

You are required to identify waste types according to the categories specified in the accompanying list (Ref.00/IB). This shows how particular waste streams fit in to the classification system. Most licensed sites will find that they are only dealing with a small number of categories of material and it is worth looking through the list carefully to identify the waste groups that you handle at your site.

Waste quantity needs to be provided in metric tonnes. A density conversion list is provided to allow bulk loads to be converted to tonnes on sites without weighing equipment.

District of Origin/Destination

You are required to identify the source and destination of the waste by local authority District. This information can be found from transfer notes, from the driver of the vehicle or maybe within your own record systems if you are operating vehicles yourself. A list of three letter codes for all the Unitary Authorities in Wales and adjacent English authorities is attached. The local authority Districts in your immediate area are entered on your site return form, as it is likely that these are the main sources of material entering the site. Use the code list to add in any extra areas required, or write in the District name in full.

Your Legal Responsibility

Your licence condition requires you to keep a record of each load of waste/material entering your site and each load of waste or reclaimed material leaving the site. A summary of this information has to be provided to the Agency on a quarterly basis (or on an annual basis for metal recycling facilities).

Daily site records

For waste/material entering the site you need to record

- a** the date and time of the movement;
- b** the district of origin;
- c** the type and quantity; and
- d** whether it is solid/liquid or sludge i.e. the physical state of the waste.

For all wastes/materials leaving the site (for either recovery or disposal) you must record

- e** the date and time of the movement;
- f** the destination district;
- g** the type and quantity; and
- h** whether it is solid/liquid or sludge.

You may be using a record sheet at present, or a ticketing system, and provided this allows you to record all of the information required by the licence condition, this will be an appropriate form. For those who do not have a suitable system, we have enclosed an example daily record sheet for you to use.

Quarterly Returns

The standard quarterly return form allows small and large sites to describe the wastes and other materials entering and leaving their site.

Most sites handle a limited range of wastes and only need to complete a relatively small part of the return form. Inert landfill sites have been supplied with a reduced form that reflects the very limited types of waste they handle.

Although the Agency has asked for quarterly returns, it is advisable for this analysis to be done more frequently: perhaps weekly or monthly.

Metal Recycling Sites (MRS's) will only have to make returns on an annual basis at present. A separate form is supplied for this purpose.

General Information

The first part of the form is asking for general information to identify the site. It is also necessary to indicate whether materials are weighed in and out of the site, or whether weights are estimated.

It is advisable to complete most of this section, other than the quarter and year, prior to photocopying and use this as your master form.

Section 1: Waste/materials entering the site

Summarise the information on your daily record system to provide the total amount of waste in each category received from every different District of origin. Please note that the waste categories are exclusive (i.e. construction wastes should not be included in the category for general mixed industrial wastes).

An example of a completed section 1 is shown in the following pages.

Section 2 – Waste materials taken off site for disposal elsewhere

You may have a major transfer station producing a large range of sorted waste materials for disposal elsewhere; or an inert landfill site with an occasional load of contrary material that needs to leave the site for disposal elsewhere; or another type of facility where wastes leave your site for final disposal elsewhere.

Your licence requires you to keep a record of all loads of leaving the site for disposal elsewhere, stating waste type, quantity, state and District of destination. Use the code sheets to decide which category of waste each load falls into and the District of destination code.

An example Section 2 return is shown in the following pages. If you have no wastes leaving the site for disposal elsewhere this quarter, write NIL across the sheet. If you need more space to write in a larger number of waste groups, photocopy the Section 2 page to make a continuation sheet.

Section 3 – Materials taken off site for recycling

This section is completed in exactly the same way as Section 2, but is for wastes leaving the site for recycling.

Example 3 in the following pages shows the output of waste materials for recycling from a metal recycling site.

If you have no wastes leaving for recycling, write NIL across the sheet. If you need more space to write in a larger number of waste groups, photocopy the Section 3 page to make a continuation sheet.

IF YOU ARE A METAL RECYCLING SITE, PLEASE SKIP THE NEXT TWO PARAGRAPHS & GO TO THE HEADING 'FOR METAL RECYCLING SITES ONLY'

Section 4 – This section is optional and applies to landfill sites only. The information will be essential for the development of the future Waste Strategy for Wales and is required by planning authorities for future development planning for waste management facilities.

Section 5 – You MUST complete the declaration, and then send the return to your area office within one month following the end of the quarter. Metal Recycling Sites must return the form within one month of the end of the financial year. The address of the area office is provided at the end of this section of the quantity return sheet

FOR METAL RECYCLING SITES ONLY

Section 4 – You MUST complete the declaration, and then send the return to your area office within one month following the end of the quarter. Metal Recycling Sites must return the form within one month of the end of the financial year. The address of the area office is provided at the end of this section of the quantity return sheet

Help

If you require any further information on any of these issues please call the Environment Agency general enquiry line on 0645 333111.

Accompanying documents

The following accompanying documents should be used in association with this set of instructions:

- i** Environment Agency South West Wales Section 35 EPA Quarterly return - Ref. 00/IA. (you must complete this form when making your summary return to the Agency)
- ii** Waste Categories for Wales - Ref. 00/IB (you must use these categories when completing the summary return form)
- iii** Factors to Convert Waste Volume to Weight (you can use these conversion factors when converting volume to weight)
- iv** District Codes (you must use these codes when completing the summary return form)
- v** Example Sheet for Recording Daily Loads In/Out (this is not a mandatory form but you could use it to satisfy the Agency's requirements for daily input/output records)

SECTION 1 continued MATERIALS TAKEN INTO SITE

Waste Type	State	District of Origin (Within Wales - see district code list)										(Outside Wales - see codes)				Total Tonnes			
		BRI	CAM	CER	NEA	PEM	POW	RHO	SWA	VAL									
22E Sewage	Solid																		
	Sludge																		
23A Metal Special	Solid																		
23B Metal Other	Solid																		
24A Contaminated General (Special)	Solid																		
	Liquid																		
	Sludge																		
24B Contaminated General (Other)	Solid																		
	Liquid																		
	Sludge																		
25 Healthcare Risk Waste	Solid																		
	Liquid																		
	Sludge																		
26 Asbestos	Solid																		
	Sludge																		
27A Mineral Special	Solid																		
27B Mineral Other	Solid																		
28A Inorganic Chemicals Special	Solid																		
	Liquid																		
	Sludge																		
28B Inorganic Chemicals Other	Solid																		
	Liquid																		
	Sludge																		

Aluminium Dressings * 27A

SECTION 4 VOLUNTARY SUPPLEMENTARY INFORMATION FOR LANDFILL SITES

Please show how capacity has been calculated by ticking box	
Survey (Give Date)	Estimate

Remaining Capacity with Planning Consent	Containment (lined site)	m ³	Non-Containment (unlined site)	m ³
Potential Capacity subject to further Planning Consent being given	Containment (lined site)	m ³	Non-Containment (unlined site)	m ³

SECTION 5 DECLARATION

In accordance with site licence conditions, I certify that the information supplied on this form is correct for the quarter indicated.

Name: (Please Print)

Signed:

Contact Address:

Position:

Tel:

Date:

Notes:

1. The Agency has provided advice on both the different waste types and the codes for each relevant district. If you need further copies please contact the office below.
2. Please fill in all the relevant boxes and ensure that the declaration is completed and signed by an appropriate person.
3. Completion of Section 4 is voluntary, but this information would be useful to help develop the future Waste Strategy for Wales and is required by planning authorities for future development planning for waste management facilities.

Please Return to:
 Team Leader Programme Coordination
 Environment Protection
 Environment Agency Wales South West Area
 Llys Afon
 Hawthorn Rise
 Haverfordwest
 Dyfed
 SA61 2BH
 Fax. No. 01437 760881

WASTE CATEGORIES FOR WALES (Version 1999-01)**Summary of categories (details on following pages)**

CODE	WASTE CATEGORY
21A	INERT CONSTRUCTION & DEMOLITION WASTE
21B	INERT - OTHER WASTE
22A	DEGRADABLE CONSTRUCTION AND DEMOLITION WASTE
22B	DEGRADABLE INDUSTRIAL WASTE
22C	DEGRADABLE HOUSEHOLD WASTE
22D	DEGRADABLE COMMERCIAL WASTE
22E	SEWAGE
23A	METALS AND DISCARDED (SCRAP) COMPOSITE EQUIPMENT - SPECIAL WASTE
23B	METALS AND DISCARDED (SCRAP) COMPOSITE EQUIPMENT - OTHER WASTE
24A	CONTAMINATED GENERAL WASTES - SPECIAL WASTE
24B	CONTAMINATED GENERAL WASTES - OTHER WASTE
25	HEALTHCARE RISK WASTES
26	ASBESTOS WASTE
27A	MINERAL WASTES AND RESIDUES FROM THERMAL PROCESSES - SPECIAL WASTE
27B	MINERAL WASTES AND RESIDUES FROM THERMAL PROCESSES - OTHER WASTE
28A	INORGANIC CHEMICAL WASTES - SPECIAL WASTE
28B	INORGANIC CHEMICAL WASTES - OTHER WASTE
29A	ORGANIC CHEMICAL WASTES - SPECIAL WASTE
29B	ORGANIC CHEMICAL WASTES - OTHER WASTE
30A	MIXED CHEMICAL "SMALLS" - SPECIAL WASTE
30B	MIXED CHEMICAL "SMALLS" - OTHER WASTE
31	RADIOACTIVE WASTE
32	EXPLOSIVES
33	AGRICULTURAL WASTE
34	MINES AND QUARRIES WASTE

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

DETAILS OF WASTE COMPOSITION CATEGORIES

CODE	WASTE CATEGORY
21A	<p>INERT CONSTRUCTION & DEMOLITION WASTE</p> <p>Uncontaminated naturally occurring rocks and sub-soils and uncontaminated solid, granular or broken manufactured material of negligible polluting potential arising from construction and / or demolition activities, including waste arising from preparatory work thereto. It excludes any wastes containing asbestos (use 26) and mines and quarries wastes (use code 34). It includes only those substances in the sort list below:</p> <p>Rock and stone</p> <p>Sub-soils</p> <p>Ceramic and/or cemented materials (including glass)</p> <p>Processed/prepared mineral materials which have not been contaminated</p>
21B	<p>INERT - OTHER WASTE</p> <p>Uncontaminated naturally occurring rocks and sub-soils and uncontaminated solid, granular or broken manufactured material of negligible polluting potential excluding such wastes arising from construction and / or demolition activities. It excludes mines and quarries wastes (use code 34). It includes only those substances in the sort list below:</p> <p>Rock and stone</p> <p>Sub-soils</p> <p>Ceramic and/or cemented materials (including glass)</p> <p>Processed/prepared mineral materials which have not been contaminated</p>

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

22A	<p>DEGRADABLE CONSTRUCTION AND DEMOLITION WASTE</p> <p>Uncontaminated naturally occurring rocks and soils containing organic matter and uncontaminated solid, granular or broken manufactured material arising from construction and / or demolition activities (including waste arising from preparatory work thereto) which may decompose or combust and / or may contain soluble matter or soluble decomposition products which could cause pollution if allowed to enter ground or surface water systems. It excludes organic chemical wastes (use 29A or 29B) and any wastes containing asbestos (use 26). It includes only those substances in the sort list below:</p> <p>Naturally occurring rocks and soils containing organic matter</p> <p>Mixed construction and/or demolition waste</p> <p>Asphalt, bitumen and/or coated roadstone</p> <p>Streetworks waste</p> <p>Plaster and/or plasterboard</p> <p>Paper and/or card</p> <p>Plastics and polymers</p> <p>Wood/ timber / laminates and composites</p>
22B	<p>DEGRADABLE INDUSTRIAL WASTE</p> <p>Uncontaminated material arising from industrial premises (including premises used for maintaining vehicles, vessels or aircraft, for the provision of public transport services or for the public supply of gas, water, electricity or sewerage services) which may decompose or combust and / or may contain soluble matter or soluble decomposition products which could cause pollution if allowed to enter ground or surface water systems. It excludes organic chemical wastes (use 29A or 29B) and degradable wastes arising from construction and demolition work (use code 22A). It includes only those substances in the sort list below:</p> <p>Plaster and/or plasterboard</p> <p>Paper and/or card</p> <p>Plastics and polymers</p> <p>Rubber</p> <p>Wood</p> <p>Tyres</p> <p>Textiles</p> <p>Wood/ timber / laminates and composites</p> <p>Vegetable matter (including oil, fat, wax and grease)</p> <p>Animal matter (including oil, fat, wax and grease)</p> <p>Sanitary waste (eg. feminine sanitary waste, disposable nappies)</p> <p>Waste from biological processes other than sewage treatment</p>

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

22C	<p>DEGRADABLE HOUSEHOLD WASTE</p> <p>Waste arisings from households (including premises occupied by a charity or forming part of an educational establishment, caravans, residential homes, camp sites, prisons, public halls and royal palaces). It includes sanitary waste (eg. feminine sanitary waste, disposable nappies) and civic amenity and street cleansing waste. It excludes degradable wastes arising from construction and demolition work (use code 22A).</p>
22D	<p>DEGRADABLE COMMERCIAL WASTE</p> <p>Uncontaminated material arising from commercial premises (including offices and showrooms, hotels, courts, markets and fairs, premises used for sport, recreation or entertainment and premises occupied by clubs and societies, government departments and local authorities) which may decompose or combust and / or may contain soluble matter or soluble decomposition products which could cause pollution if allowed to enter ground or surface water systems. It excludes degradable wastes arising from construction and demolition work (use code 22A). It includes only those substances in the sort list below:</p> <p>Plaster and/or plasterboard Paper and/or card Plastics and polymers Rubber Wood Textiles Wood / timber / laminates and composites Vegetable matter (including oil, fat, wax and grease) Animal matter (including oil, fat, wax and grease) Sanitary waste (eg. feminine sanitary waste, disposable nappies)</p>
22E	<p>SEWAGE</p> <p>Sewage including septic tank and/or cesspool contents, untreated and treated sewage sludge and sewage screenings.</p>
23A	<p>METALS AND DISCARDED (SCRAP) COMPOSITE EQUIPMENT - SPECIAL WASTE</p> <p>Metals and discarded (scrap) composite equipment which are deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes metal compounds and highly reactive metals (use 28A or 28B - inorganic chemical wastes). It includes substances in the sort list below:</p> <p>Mercury Other toxic metals Dental amalgam Metal catalysts (only those which are deemed to be special waste) Batteries (only those which are deemed to be special waste)</p>

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

23B	<p>METALS AND DISCARDED (SCRAP) COMPOSITE EQUIPMENT – OTHER WASTE</p> <p>Metals and discarded (scrap) composite equipment which are <u>not</u> deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes metal compounds and highly reactive metals (use 28A or 28B – inorganic chemical wastes). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Ferrous and non-ferrous metal including mixtures and alloys Metal catalysts (only those which are <u>not</u> deemed to be special waste) Composite, mainly metallic equipment (eg. white goods, domestic appliances, cable and/or wire, vehicles and/or metal vehicle parts) Mainly non-metallic electronic equipment (eg. computers, microwaves, TVs, light bulbs, fluorescent tubes) Batteries (only those which are <u>not</u> deemed to be special waste)
24A	<p>CONTAMINATED GENERAL WASTES – SPECIAL WASTE</p> <p>Category 21A, 21B and 22A-E materials contaminated with other materials from categories 23A, 27A, 28A, 29A, and 30A to a level which deems them to be special waste under the Special Waste Regulations 1996 (and amendments). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Contaminated soil and subsoil (including contaminated dredgings/ silt and railway ballast) Used moulds, muds, filter materials, ion exchange resins, linings and / or refractories Residues from abrasive processes Contaminated construction and/or demolition waste Contaminated containers, and other packaging Fragmentation residues Contaminated sewage and/or biological treatment sludges Contaminated water Other contaminated category 21A, 21B and 22A-E wastes
24B	<p>CONTAMINATED GENERAL WASTES – OTHER WASTE</p> <p>Category 21A, 21B and 22A-E materials contaminated with other materials from categories 23B, 27B, 28B, 29B, and 30B which are <u>not</u> deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Contaminated soil and subsoil (including contaminated dredgings/ silt and railway ballast) Used moulds, muds, filter materials, ion exchange resins, linings and / or refractories Residues from abrasive processes Contaminated construction and/or demolition waste Contaminated containers, and other packaging Fragmentation residues Contaminated sewage and/or biological treatment sludges Contaminated water Other contaminated category 21A, 21B and 22A-E wastes

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

25	<p>HEALTHCARE RISK WASTES</p> <p>Any waste which consists wholly or partly of human or animal tissue, blood or other body fluids, excretions, swabs or dressings, or syringes, needles or other sharp instruments which may prove hazardous to any person coming into contact with it, and any other waste arising from medical, nursing, dental, veterinary, pharmaceutical or similar practice, investigation, treatment, care, teaching or research, or the collection of blood for transfusion, being waste which may cause infection to any person coming into contact with it. It includes sterilised healthcare risk wastes. It excludes nappies and feminine sanitary wastes arising from industrial, household and commercial premises not covered above (use 22B, 22C or 22D).</p>
26	<p>ASBESTOS WASTE.</p> <p>Any waste containing asbestos including bonded asbestos in mixed construction and demolition waste.</p>
27A	<p>MINERAL WASTES AND RESIDUES FROM THERMAL PROCESSES - SPECIAL WASTE</p> <p>Mineral wastes and residues from thermal processes which are deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Slag from primary metal production Drosses from secondary metal production Vitrified wastes Bottom ash and/or clinker Fly ash and/or other stack and/or stack gas cleaning residues Mineral extraction and/or processing wastes with the potential for solubilisation of heavy metals, inorganic halogen compounds, sulphur, phosphorus or nitrogen compounds
27B	<p>MINERAL WASTES AND RESIDUES FROM THERMAL PROCESSES - OTHER WASTE</p> <p>Mineral wastes and residues from thermal processes which are not deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Slag from primary metal production Drosses from secondary metal production Vitrified wastes Bottom ash and/or clinker Fly ash and/or other stack and/or stack gas cleaning residues Mineral extraction and/or processing wastes with the potential for solubilisation of heavy metals, inorganic halogen compounds, sulphur, phosphorus or nitrogen compounds Cement (excludes concrete, used cement and mortar - use category 21A or 21B)

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

28A	<p>INORGANIC CHEMICAL WASTES – SPECIAL WASTE</p> <p>Inorganic chemical wastes which are deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24A 'Contaminated general wastes – special waste'). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Inorganic acids Inorganic alkalis Highly reactive elements Inorganic compounds
28B	<p>INORGANIC CHEMICAL WASTES – OTHER WASTE</p> <p>Inorganic chemical wastes which are not deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24B 'Contaminated general wastes – other waste'). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Inorganic acids Inorganic alkalis Inorganic compounds
29A	<p>ORGANIC CHEMICAL WASTES – SPECIAL WASTE</p> <p>Organic chemical wastes which are deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24A 'Contaminated general wastes – special waste'). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Paint, varnish and/or lacquers Synthetic adhesives and/or sealants Inks, pigments and dyestuffs Cosmetics Surfactants and/or chelating agents Organic household products not elsewhere specified Mineral and synthetic oil waste Halogenated refrigerants, aerosol propellants and/or foaming gases Monomers and precursors Tarry wastes Pharmaceuticals Organic biocides Organometallics Other organic chemical wastes (eg. solvents)

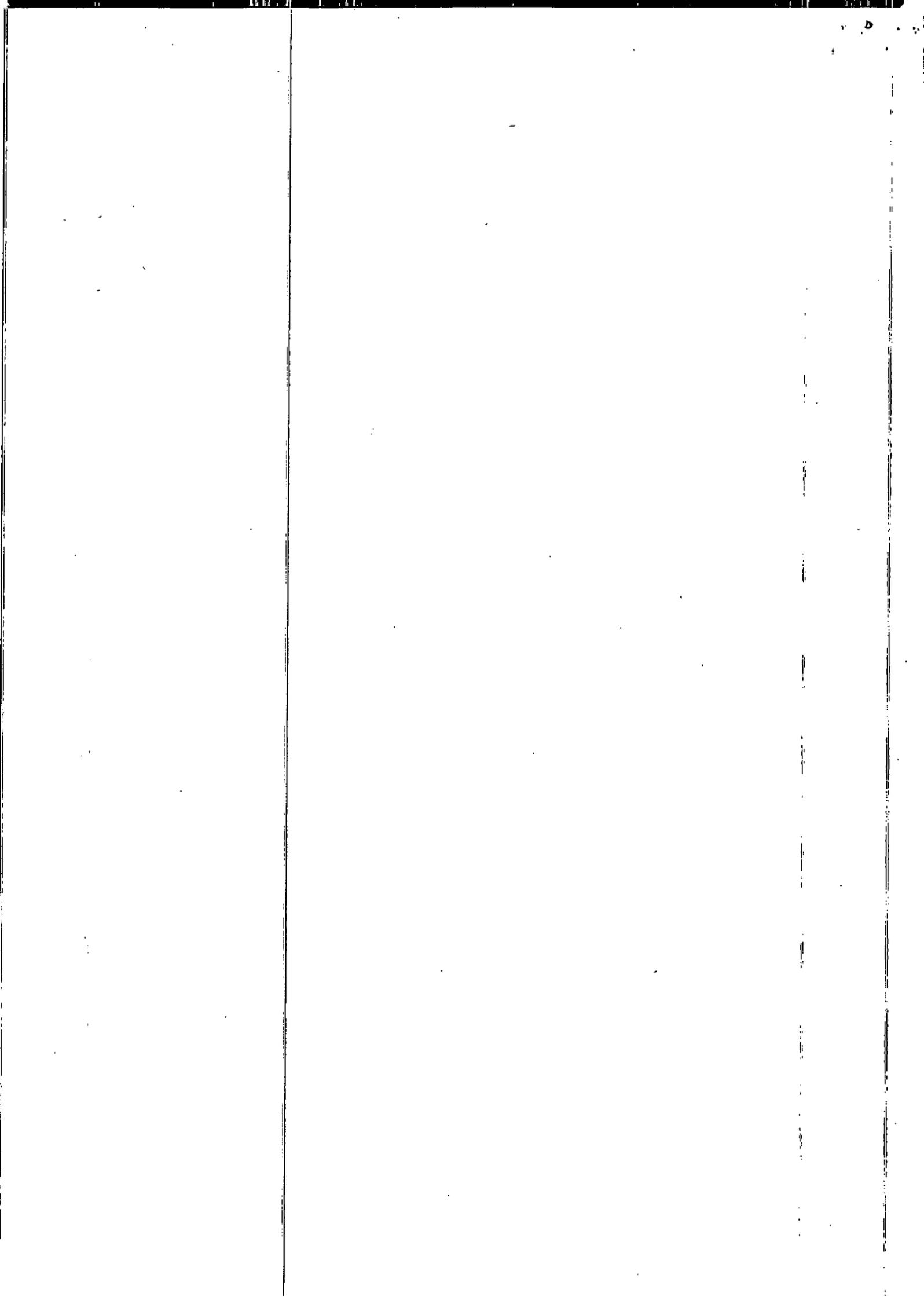
Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

29B	<p>ORGANIC CHEMICAL WASTES – OTHER WASTE</p> <p>Organic chemical wastes which are not deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24B 'Contaminated general wastes – other waste'). It includes only those substances in the sort list below:</p> <ul style="list-style-type: none"> Carbon Paint, varnish and/or lacquers Synthetic adhesives and/or sealants Inks, pigments and dyestuffs Cosmetics Surfactants and/or chelating agents Organic household products not elsewhere specified Mineral and synthetic oil waste Halogenated refrigerants, aerosol propellants and/or foaming gases Monomers and precursors Tarry wastes Pharmaceuticals Organic biocides Organometallics Other organic chemical wastes
30A	<p>MIXED CHEMICAL "SMALLS" – SPECIAL WASTE</p> <p>Mixed loads of small containers (each less than or equal to 2.5 litres) of different chemicals from categories 23, 28 and 29 which are deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24A 'Contaminated general wastes – special waste'). It includes contaminated laboratory equipment (eg. test tubes, beakers or distillation apparatus).</p>
30B	<p>MIXED CHEMICAL "SMALLS" – OTHER WASTE</p> <p>Mixed loads of small containers (each less than or equal to 2.5 litres) of different chemicals from categories 23, 28 and 29 which are not deemed to be special waste under the Special Waste Regulations 1996 (and amendments). It excludes such wastes where they are present as small unmeasurable quantities in a general waste load (instead use code 24B 'Contaminated general wastes – other waste'). It includes contaminated laboratory equipment (eg. test tubes, beakers or distillation apparatus).</p>
31	<p>RADIOACTIVE WASTE</p> <p>All wastes which are radioactive wastes within the meaning of the Radioactive Substances Act 1993.</p>
32	<p>EXPLOSIVES</p> <p>All wastes which are explosives within the meaning of the Explosives Act 1875.</p>

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.

33	AGRICULTURAL WASTE Wastes arising from premises used for agriculture.
34	MINES AND QUARRIES WASTE Wastes from any mine or quarry.

Important note: This list of waste categories has been drawn up with the aim of grouping together wastes of similar properties. It must not be taken as legal guidance on waste definitions.



DISTRICT CODES**ENVIRONMENT AGENCY WALES**

(Version 99/01)

WALES

CODE	DISTRICT	CODE	DISTRICT
ANG	Isle of Anglesey	MER	Merthyr Tydfil
BLA	Blaenau Gwent	MON	Monmouthshire
BRI	Bridgend	NEA	Neath Port Talbot
CAE	Caerphilly	NEW	Newport
CAM	Carmarthenshire	PEM	Pembrokeshire
CAR	Cardiff	POW	Powys
CER	Ceredigion	RHO	Rhondda Cynon Taff
CON	Conwy	SWA	Swansea
DEN	Denbighshire	TOR	Torfaen
FLI	Flintshire	VAL	Vale of Glamorgan
GWY	Gwynedd	WRE	Wrexham

ENGLAND

(This covers only the nearby District Councils – if the district is not on this list then please write out the district in full on the form)

South West

CODE	DISTRICT	CODE	DISTRICT
BNS	Bath & North East Somerset	SED	Sedgemoor
BRS	Bristol City	SGL	South Gloucestershire
KEN	Kennet	SSM	South Somerset
MEN	Mendip	TAU	Taunton Deane
NSM	North Somerset	WSM	West Somerset
NWT	North Wiltshire	WWT	West Wiltshire

Midlands

CODE	DISTRICT	CODE	DISTRICT
BRN	Bridgnorth	OSW	Oswestry
BRO	Bromsgrove	SHR	Shrewsbury & Atcham
CHL	Cheltenham	SSH	South Shropshire
DUD	Dudley	STA	South Staffordshire
FOR	Forest of Dean	STR	Stroud
GLO	Gloucester	TEW	Tewkesbury
HER	Hereford	WRK	The Wrekin
LEO	Leominster	WOR	Worcester
MAL	Malvern Hills	WYR	Wyre Forest
NSH	North Shropshire		

North West

CODE	DISTRICT	CODE	DISTRICT
BOL	Bolton	ROC	Rochdale
BUR	Bury	SAL	Salford
CHE	Chester	STH	St. Helens
CON	Congleton	SEF	Sefton
CRE	Crewe and Nantwich	STO	Stockport
ELL	Ellesmere Port and Neston	TAM	Tameside
HAL	Halton	TRA	Trafford
KNO	Knowsley	VAL	Vale Royal
LIV	Liverpool	WAR	Warrington
MAC	Macclesfield	WIG	Wigan
MAN	Manchester	WIR	Wirral
OLD	Oldham		

ENVIRONMENT AGENCY WALES

FACTORS TO CONVERT WASTE VOLUME TO WEIGHT

(Ver. 99/01)

To convert volume to weight carry out the following calculations where necessary:

If measuring volume in cubic metres:

Volume (in cubic metres) X Conversion Factor = Weight (in tonnes)

If measuring volume in litres:

Volume (in litres) / 1000 X Conversion Factor = Weight (in tonnes)

If measuring volume in cubic feet:

Volume (in cubic feet) X 0.028 X Conversion Factor = Weight (in tonnes)

CATEGORY	TYPE OF WASTE	CONVERSION FACTOR
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21A & 21B	INERT	
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<u>General/mixed</u>	MIXED CATEGORY 21A & 21B WASTE	1.2
<u>Specific</u>	Rock and stone	1.2
	Sub-soils	1.3
	Glass (cullet)	0.75
	Ceramics	0.3
	Concrete and/or mortar	1.3
	Moulding sands and/or clays	0.4/0.6
	Clay absorbents	1.3
	Other mineral absorbents	1.3
	Man-made mineral fibres (MMMFs) including glass fibre	0.1
	Silica	1.3
	Mica	1.3
	Abrasives	1.3
	Mixed Category 21 wastes	1.2
	Water containing Category 21 materials	1.0

22A-E	DEGRADABLE	
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<u>General/mixed</u>	MIXED DEGRADABLE CONSTRUCTION AND DEMOLITION WASTE	1.2
	MIXED DEGRADABLE INDUSTRIAL WASTE	0.3
	MIXED HOUSEHOLD WASTE - NON COMPACTED	0.3
	MIXED HOUSEHOLD WASTE - COMPACTED	0.5
	MIXED COMMERCIAL	0.2
	SEWAGE	1
<u>Specific</u>	Uncontaminated topsoil	1.3
	Uncontaminated peat	0.5
	Uncontaminated silt and dredgings	1.3
	Coal	1.1
	Asphalt, bitumen and coated roadstone	1.2
	Streetworks waste	1.2

Plaster	1.0
Plasterboard	1.0
Paper and/or card	0.6
Plastics and polymers	0.8
Rubber	0.7
Tyres (whole) - car	6.5kg per tyre
Tyres (whole) - truck	52.5kg per tyre
Unshredded tyres	0.2
Synthetic textiles	0.2
Mixed unidentified textiles	0.2
Wood	0.7
Coated or chemically treated timber	0.7
Laminates	0.7
Composites	0.7
Vegetable fibres	0.75
Sawdust, shavings and/or wood pulp	0.75
Vegetation and/or vegetable waste	0.75
Bark	0.75
Mixtures of vegetation, soil and/or stones	0.75
Vegetable food	0.75
Composted material	0.1
Leather	0.1
Animal fibres	0.1
Waste food - animal or mixed	0.75
Whole and/or parts of animal	1.0
Excreta	0.25
Sanitary waste	0.15
Vegetable oils, fats, waxes and/or grease	0.8
Animal fats, oils, waxes and/or grease	1.0
Soap	0.9
Animal glue	1.0
Waste From Biological Processes Other Than Sewage Treatment	1.0
Residues of fermentation and other microbiological processes	1.0
Wastes from biological treatments of effluents and wastes	1.0
Landfill leachate	1.0
Civic amenity waste - non compacted	0.2
Civic amenity waste - compacted	0.4
Street sweepings and litter	0.2
Untreated sewage sludge	1.0
Treated sewage sludge	1.0
Sewage screenings	1.0

23A & 23B METALS AND DISCARDED (SCRAP) COMPOSITE EQUIPMENT

<u>General/mixed</u>	MIXED FERROUS METAL	1.5
	MIXED/UNKNOWN NON-FERROUS	1.5
	MIXED FERROUS AND NON-FERROUS METALS (including empty aerosol cans)	1.5
	WHITE ELECTRICAL GOODS	0.2
	OTHER DOMESTIC APPLICANCES	0.2
	VEHICLES AND/OR METAL VEHICLE PARTS	1.5
	CABLE AND WIRE	1.5
	OTHER (including bicycles, shopping trolleys, metal furniture)	1.5
	MAINLY NON-METALLIC ELECTRONIC EQUIPMENT (including light bulbs/tubes)	1.0
<u>Specific</u>	Iron	7.9

Lead	11.35
Copper	9
Zinc	7.1
Tin	7.3
Aluminium	2.7
Mercury	13.55
Chromium	7.2
Titanium	4.5
Manganese	7.2
Nickel	8.9
Beryllium	1.85
Arsenic	5.7
Selenium	4.5
Cadmium	8.6
Antimony	6.7
Gold	19.3
Silver	10.5
Platinum	21.45
Alloys	0.9
Metal Catalysts	1.0
Aircraft, ships, railway locomotives, heavy industrial	1.5
Light bulbs (including fluorescent tubes & street lamp bulbs)	1.0
Undrained lead-acid batteries	10kg per battery

24A & 24B

CONTAMINATED GENERAL WASTES

<u>General/mixed</u>	MIXED CONTAMINATED SOIL AND SUBSOIL (including dredgings/ silt & railway ballast)	1.3
	MIXED USE MOULDS, MUDS, FILTER MATERIALS, LININGS & REFRACTORIES	1.3
	MIXED RESIDUES FROM ABRASIVE PROCESSES	1.4
	CONTAMINATED CONSTRUCTION AND DEMOLITION WASTE	1.2
	MIXED CONTAMINATED CONTAINERS	0.1
	CONTAMINATED WATER	1.0
	CONTAMINATED VEGETABLE AND/OR MINERAL MATTER	0.75

Specific

Contaminated topsoil	1.3
Contaminated clay subsoils	1.3
Contaminated granular/friable subsoils	1.3
Contaminated dredgings	1.3
Contaminated silts	1.3
Railway ballast	1.3
Used moulds or moulds containing organic binders	1.3
Drilling muds	1.3
Used absorbents and/or filter aids	1.3
Used ion exchange resins	1.3
Used linings and refractories	1.3
Grinding residues	1.4
Shotblasting residues	1.4
Descaling residues	1.4
Contaminated containers - cleanable (eg. Bottles)	0.1
Contaminated other containers - not cleanable (eg. paper sacks)	0.1
Contaminated category 22 wastes	See 22
Fragmentation Residues	0.8
Contaminated sewage and/or biological treatment sludges	1.0
Water with immiscible contamination	1.0
Water with soluble inorganic chemical contamination	1.0

	Water with soluble organic chemical contamination	1.0
	Water with mixtures of the above contaminants	1.0
25 HEALTHCARE RISK WASTE		
<u>General/mixed</u>	MIXED HEALTHCARE RISK WASTE	0.25
<u>Specific</u>	Sharps	0.2
	Infectious waste	0.25
	Tissue	0.25
	Dressings	0.25
	Healthcare excreta	0.25
	Sterilised waste	0.25
	Autoclaved waste	0.25
	Other sterilised waste	0.25
26 ASBESTOS WASTE		
<u>General/mixed</u>	FIBROUS ASBESTOS	0.46
	BONDED ASBESTOS	0.17
	CONSTRUCTION AND DEMOLITION WASTE CONTAINING FIBROUS ASBESTOS	1.2
	CONSTRUCTION AND DEMOLITION WASTE CONTAINING BONDED ASBESTOS	1.2
<u>Specific</u>	Crocidolite	0.46
	Amosite	0.46
	Chrysotile	0.46
	Other	0.46
	Unidentified	0.46
	Cement bonded	0.17
	Resin bonded (excluding brake linings)	0.17
	Rubberised	0.17
	Other	0.17
27A & 27B Mineral Wastes and Residues from thermal processes not listed elsewhere		
<u>General/mixed</u>	SLAG FROM PRIMARY METAL PRODUCTION	1.2
	DROSS FROM SECONDARY METAL PRODUCTION	1
	BOTTOM ASH AND/OR CLINKER	0.8
	FLY ASH AND/OR OTHER STACK AND/OR STACK GAS CLEANING RESIDUES	1
<u>Specific</u>	Vitrified wastes	0.7
	Cement	1.3
28A & 28B INORGANIC CHEMICAL WASTES		
<u>General/mixed</u>	MIXED INORGANIC ACIDS	1.4
	MIXED INORGANIC ALKALIS	2.0
<u>Specific</u>	Sulphuric acid	1.7
	Sulphurous acid	1
	Nitric acid	1.5
	Nitrous acid	1.4
	Chromic acid	2
	Phosphoric acid	1.8
	Phosphorous acid	1.65
	Hydrofluoric acid	1.4
	Fluoroboric acid	1.4
	Hydrochloric acid	1.2

Other	1.4
Mixed inorganic acids	1.4
Sodium oxide	2.3
Sodium hydroxide	2.1
Sodium carbonate	1.6
Potassium oxide	2.3
Potassium hydroxide	2.0
Potassium carbonate	2.4
Calcium oxide	3.4
Calcium hydroxide	2.3
Potassium	0.9
Sodium	1
Magnesium	1.7
Calcium	1.5
Lithium	0.5
Phosphorus	4.7
Osmium	22.6
Boron	3.3
Sulphur	2.1
Titanium dioxide	4.3
Calcium carbonate	2.8
Calcium sulphate	3
Barium sulphate	4.3
Calcium fluoride	3.2
Magnesium carbonate	3
Magnesium oxide	0.4
Magnesium hydroxide	2.4
Ferric oxide	5.2
Ferric hydroxide	3.6
Magnesium sulphate	2.6
Calcium chloride	1.7
Ferric chloride	2.9
Sodium chloride	2.2
Beryllium compounds	1.9
Vanadium compounds	3.2
Chromium (VI) compounds	1.8
Cobalt compounds	3.6
Nickel compounds	4.15
Copper compounds	3.4
Zinc compounds	2.9
Arsenic compounds	2.2
Selenium compounds	3.95
Silver compounds	5.6
Cadmium compounds	4
Tin compounds	2.3
Antimony compounds	2.3
Tellurium compounds	6.9
Barium compounds	3
Mercury compounds	5.4
Thallium compounds	7.0
Lead components	5.9
Inorganic sulphides	7.5
Inorganic fluorine compounds	8.2

<u>General/mixed</u>	PAINT, VARNISH OR LACQUERS - WATER BASED	1.0
	PAINT, VARNISH OR LACQUERS - SOLVENT OR OIL BASED	0.6
	INKS - WATER BASED	1.0
	INKS - SOLVENT BASED	0.6
	MIXED ORGANIC HOUSEHOLD PRODUCTS	1.0
	MIXED MINERAL OILS & GREASES	0.8
	MIXED TARRY WASTES	2.0
	MIXED ORGANIC CHEMICALS (not listed above)	0.9
<u>Specific</u>		
	Carbon	2.2
	Paint, varnish and/or lacquers - water based	1.0
	Paint, varnish and/or lacquers - solvent or oil based	0.6
	Pigments	1.0
	Dyestuffs	1.0
	Cosmetics	1.0
	Detergents and surfactants	1.0
	Chelating agents	1.0
	Mineral synthetic oil waste	0.8
	Lubricating and/or fuel oil	0.8
	Mixed/unidentified oil	0.8
	Grease	0.9
	Hydraulic oil and/or fluids	0.8
	Insulating oil	0.8
	Machining/cutting/cooling oils	0.8
	Oil sludges and/or oil water mixtures	1.0
	Vinyl acetate	0.9
	Methylmethacrylate	0.9
	Styrene monomer	0.9
	Vinyl chloride monomer	0.9
	Tarry wastes - distillation residues	2.0
	Solvent and other waste distillation residues	1.0
	Coal tars	2.5
	Acid tars	2.0
	Other tars	2.0
	Pharmaceuticals	1.0
	Organophosphorous pesticides	1.0
	Organochlorine pesticides	1.0
	Other pesticides	1.0
	Herbicides	1.0
	Fungicides	1.0
	Organometallics	1.0
	Tetraethyl lead	1.0
	Tetramethyl lead	1.0
	Organic acids and/or derivatives	1.0
	Aliphatic hydrocarbon	0.9
	Aromatic hydrocarbon	0.9
	Polycyclic compound	0.9
	Heterocyclic compound	0.9
	Phenols, analogues and derivatives	0.9
	Peroxides	0.9
	Nitro-compounds	0.9
	Nitrites	0.9
	Thiocyanates	0.9

Aliphatic amines and/or amides	0.9
Aromatic amines and/or amides	0.9
Ethers	0.9
Other oxygen containing compounds	0.9
PCBs and/or analogues	0.9
Any congener of polychlorinated dibenzo-furan	0.9
Any congener of polychlorinated dibenzo-dioxin	0.9
Other (including turpentine)	0.9
Other halogenated compound	0.9
Organophosphorous compound	0.9
Organosulphur compound	0.9

30A & 30B MIXED CHEMICAL SMALLS

General/mixed MIXED CHEMICAL SMALLS 1.0

EXAMPLE 1: RECEIPT OF MATERIALS ONTO SITE

SECTION 1 MATERIALS TAKEN INTO SITE

Waste Type	State	District of Origin (Within Wales - see district code list)						(Outside Wales - see attached list)				Total Tonnes			
		ANG	CON	DEN	FLI	GWY	POW	WRE	CHE						
21A Inert Construction and Demolition waste	Solid	567.40		402.36	126.13							89.65			89.65
22A Degradable Construction and Demolition waste	Solid	703.50			908.53					987.97				203.79	2,803.39
	Sludge					26.12				14.32					14.32
22C Degradable Household	Solid		939.26	898.30	816.54					789.32					789.32
22D Degradable Commercial	Solid	169.34		27.45	901.35										1,098.14
	Liquid									62.97					62.97
	Sludge		27.07							45.87				903.70	976.64
Total For Each Area	Solid	1440.24	939.26	1,328.11	2,752.55	0	987.57	789.32	0	0	0	0	293.44	0	8,530.49
	Liquid	0	0	0	0	0	0	62.97	0	0	0	0	0	0	62.97
	Sludge	0	27.07	0	0	26.12	45.87	14.32	0	0	0	0	903.70	0	1017.08

A variety of materials are received on site from the different areas. These materials are tallied both to provide the total amount of each waste type and the total waste for each area (both for each type and a grand total). Waste should be added by type, state and by district. Do not mix solid, liquid and sludge wastes.

EXAMPLE 3: OUTPUT OF MATERIALS FROM A METAL RECYCLING SITE

SECTION 3 MATERIALS TAKEN OFF SITE FOR RECYCLING

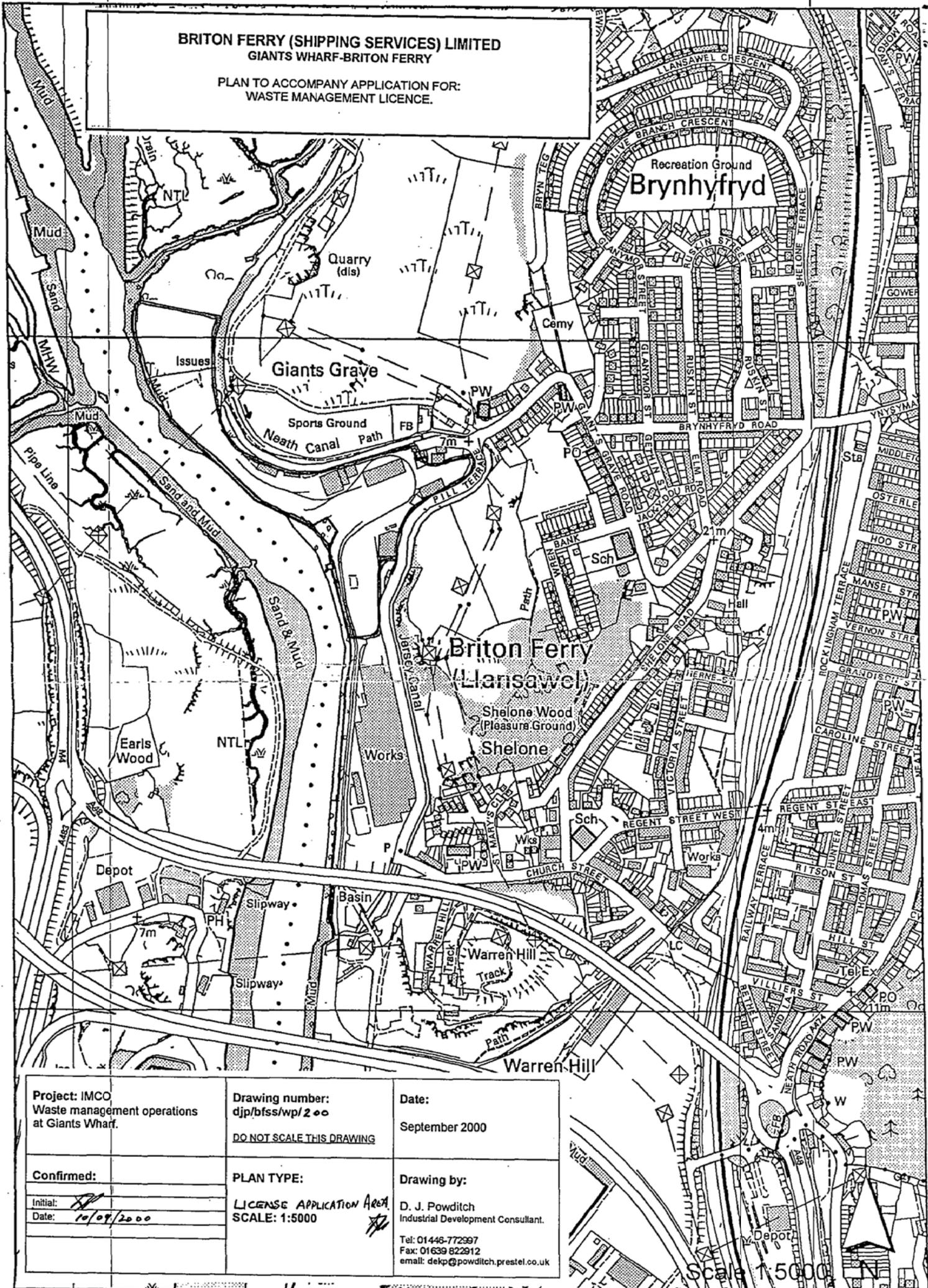
Waste Type	State	(Outside Wales - see attached list)										Total Tonnes			
		ANG	CON	DEN	FLI	GWY	POW	WIRE					CHE		
23A Metals and Discarded (Scrap) Composite Equip Special Waste	Solid	87.61	547.04	876.12		397.07		489.37						40.21	2,437.42
23B Metals and Discarded (Scrap) Composite Equip Other Waste	Solid		407.67	87.35	706.15		406.74								1,607.91
29B Organic Chemicals Other	Liquid														27.03
	Sludge														
	Solid														
	Liquid														
	Sludge														
Total For	Solid	87.61	954.71	963.47	706.15	397.07	406.74	489.37					40.21		4,045.33
Each Area	Liquid	0	0	27.03	0	0	0	0					0		27.03
	Sludge	0	0	0	0	0	0	0					0		0

Please indicate the destination of all wastes. Do not include waste that is taken off site for DISPOSAL.

Under 29B Organic Chemicals, Other wastes such as oil can be entered and recorded as going to a recycling site. In this instance, 27.03 tonnes of oil has been sent for recycling. Additional waste types can be added in the spare sections at the bottom of the section. Do not mix solid, liquid and sludge wastes in the total.

BRITON FERRY (SHIPPING SERVICES) LIMITED
GIANTS WHARF-BRITON FERRY

PLAN TO ACCOMPANY APPLICATION FOR:
WASTE MANAGEMENT LICENCE.



Project: IMCO
Waste management operations
at Giants Wharf.

Drawing number:
djp/bfss/wp/200
DO NOT SCALE THIS DRAWING

Date:
September 2000

Confirmed:
Initial: *[Signature]*
Date: 10/09/2000

PLAN TYPE:
LICENSE APPLICATION AREA
SCALE: 1:5000

Drawing by:
D. J. Powditch
Industrial Development Consultant.
Tel: 01446-772997
Fax: 01639 822912
email: dekp@powditch.prestel.co.uk

Scale 1:5000