

WASTE MANAGEMENT LICENCE



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

Environmental Protection Act 1990
Section 37(1)(b)
Licence No. 2/93

NOTICE OF MODIFICATION TO WASTE MANAGEMENT LICENCE

To: Cynon Valley Waste Disposal Company Limited
Bryn Pica
Llwydcoed
Aberdare
CF44 0BX



OUTGOING



PERMIT

WHEREAS on 20 July 1993 the Cynon Valley Borough Council granted to you a Waste Disposal Licence, now to be treated as a Waste Management Licence, reference number 2/93 relating to land at Bryn Pica Refuse Disposal Site, Merthyr Road, Llwydcoed, Aberdare, grid reference SO 009 053 subject to the conditions set out therein,

And WHEREAS on 13 November 1996 the Environment Agency ("the Agency") (having the powers and duties of all waste regulation authorities in England and Wales, such powers and duties being transferred to the Environment Agency on 1 April 1996 by virtue of Section 2 of the Environment Act 1995) modified the conditions of the said licence pursuant to section 37 of the Environmental Protection Act 1990,

And WHEREAS on 16 July 1997 the Agency modified the conditions of the said licence pursuant to section 37 of the Environmental Protection Act 1990,

And WHEREAS on 31 March 1999 the Agency modified the conditions of the said licence pursuant to section 37 of the Environmental Protection Act 1990,

And WHEREAS on 22 February 2001 the Agency issued a licence informative as agreed by the Agency and the Licence Holder,

NOTICE is HEREBY GIVEN that the Agency modifies the said conditions as follows:-

The existing Conditions relating to Waste Management Licence reference number 2/93 shall be deleted,

and the attached Conditions, Modification Number 04 dated 27 September 2001, shall be substituted.

Such modification shall take effect on 27 September 2001 at 24.00 hours.

Dated 27th September 2001

Signed Nadia De Longhi
NADIA DE LONGHI
Team Leader - Waste Licensing

NB- The person served with this notice may appeal against the Agency's decision to the National Assembly for Wales within six months or such longer period as the National Assembly for Wales may allow. (See notes overleaf.)



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) an application for a licence or a modification of the conditions to the licence is rejected;
- (b) a licence is granted subject to conditions;
- (c) the conditions of a licence are modified;

the applicant may appeal about 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 Planning Inspectorate
Crown Buildings
Cathays Park
CARDIFF
CF10 3NQ

TEL 029 20 823859
FAX 029 20 825150

This notice of appeal should be accompanied by the following information: 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; and 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 (at the address below.) You should appeal within 6 months of the date that this notice takes effect but the National Assembly for Wales may allow notice of appeal to be given after the expiry of this time period.

Environment Agency Wales
Abacus House
St Mellons Business Park
St Mellons
Cardiff
CF3 0EY

1 General considerations

1.1 Specified waste management operations

- 1.1.1 No waste management operations shall be authorised by this licence unless:
- a specified in and undertaken in accordance with the limitations in section 1.1 of the working plan; or
 - b otherwise required by the conditions of this licence as being an integral part of those operations.

Specified Waste Management Operations and Exempt Waste Management Operations

- 1.1.2 Where wastes are being brought onto the site for waste management operations which are exempt from licensing under the 1994 Regulations, then the wastes which are subject to the specified waste management operations shall be kept clearly segregated and identified from those wastes which are being kept on the site for the exempt waste management operations.

1.2 Permitted wastes

Permitted categories and types of wastes

- 1.2.1 No wastes other than those which are both categorised below in Table 1.2A and specified in detail in section 1.2 of the working plan shall be accepted at the site.

Permitted quantities of wastes

- 1.2.2 The quantities of wastes accepted shall not exceed those listed in Table 1.2A and specified in detail in sections 1.2.1, 1.2.2 and 1.2.3 of the working plan. Whilst complying with the maximum quantities specified for each type of waste, the total quantity of waste accepted at the site per year shall not exceed 300,000 tonnes.

Table 1.2A Permitted quantities of waste

Permitted Waste Categories	Maximum Permitted Quantities (tonnes per year)
Inert wastes	40,000
Metal wastes	5,000
Special wastes	1,000
Degradable Household Wastes	} 249,000
Degradable Commercial Wastes	
Degradable Industrial Wastes	
[excepting wastes specifically categorised under 'other wastes' below]	

[Table continued overleaf]

Table 1.2A Permitted quantities of waste (continued)

Permitted Waste Categories	Maximum Permitted Quantities (tonnes per year)
Other wastes:	5,000 tonnes in total
a) Street sweeping drain cleanings and gully wastes, tyres, tar, pitch, bitumen and asphalt, sewage screenings.	
b) Other difficult wastes but only following prior agreement with the Agency.	

1.3 Hours of operation

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 Duration of activities - groundwater protection

The activities of disposal, or tipping for the purpose of disposal, of waste which are authorised by this licence shall cease on 30 September 2002 and in the event that re-commencement of activities are authorised in accordance with this condition on every fourth anniversary thereafter, and shall not re-commence unless the review of the report referenced CY0301A shows that at the specified dates there is no risk to groundwater under the terms of Regulation 15 of the 1994 Regulations, and this has been accepted in writing by the Agency.

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

Minimum staffing and supervision

1.5.1 Whenever the site is open to receive or despatch waste, or is carrying out any of the specified waste management treatment or disposal operations, it shall be supervised in accordance with section 1.5 of the working plan by at least one member of staff who is suitably trained and 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

- 1.5.2 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

- 1.5.3 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.

1.6 **Changes in technically competent persons**

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. Technically competent management and technical competence shall be as defined under section 74 of the Environmental Protection Act 1990 and Regulations 4 and 5 of the 1994 Regulations.

1.7 **Relevant convictions**

Notification of relevant convictions

- 1.7.1 In the event of the Licence Holder and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days following sentencing, whether or not the conviction or sentence 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, and any fine or other penalty imposed.

Notifications of appeals against convictions

- 1.7.2 In the event that the Licence Holder and/or any relevant person lodges an appeal against any such conviction or sentence, 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.

1.8 **Maintenance of financial provision**

The financial provision for meeting the obligations under this licence set out in the Agreement made between the Licence Holder and the Agency (dated 27 September 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.

1.9 **Amendments to working plan and supporting information**

Amendments to working plan requiring prior consent from the Agency

1.9.1 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 1.9 below, and to any appendices, drawings and figures which are referenced in those sections.

Table 1.9 Sections of working plan requiring prior consent for amendments

Number and Heading of Working Plan Sections and Appendices	Sections, Subsections and Appendices requiring Prior Consent for Amendments
1. General Considerations	1.1 and 1.2
2. Site Engineering for Pollution Prevention	2.3, 2.4, 2.6, 2.7, 2.8 and 2.9
3. Site Infrastructure	3.7
4. Site Operations	4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14 and 4.15
5. Pollution Control, Monitoring and Reporting	5.2, 5.3, 5.4, 5.5, 5.6 and 5.8
6. Pollution Control, Monitoring and Reporting Systems (Human Health)	6.2, 6.4, 6.5 and 6.6
7. Maintaining and Submitting Records	7.1

1.9.2 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.

1.9.3 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.

1.9.4 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

1.9.5 Except where it is specified under condition 1.9.1 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.

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

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

1.9.8 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.

1.10 **Notification of change of operator's or holder's details**

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

- a any change in the Licence Holder's trading name, registered name or registered office address;
- b any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
- c the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder.)

1.11 **Notification of preparatory works**

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

1.12 **Notification of commencement, cessation and recommencement of waste handling operations**

In the event that the site ceases receiving wastes for longer than 28 days then within 7 days following the elapse of that time, the Licence Holder shall inform the Agency in writing of the date of cessation and of the planned date of recommencement. In the event that the site recommences receiving wastes sooner than the notified date then the Licence Holder shall give the Agency not less than 7 days prior notice in writing.

1.13 **Notifications and submissions to Agency**

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 and control

2.1 Engineering surveys

2.1.1 A network of stable, permanent survey control stations (minimum four) shall be established and maintained for the control of all survey work around the site. The stations shall be referenced to Ordnance Survey National Grid co-ordinates, the grid alignment to be within +/-1 metre and Levels referenced to Ordnance Datum. The accuracy of horizontal control shall not be less than 1:20 000. The level values of adjacent stations shall agree to less than or equal to 0.005 metres. No waste shall be accepted at the site until a schedule of descriptions, co-ordinates and level values of all control stations, together with details of Bench Marks used, has been submitted in writing to the Agency.

2.1.2 A topographic survey shall be carried out immediately before the start of filling of each phase or cell, at annual intervals (unless otherwise agreed in writing by the Agency), and at the completion of restoration. The scale shall adequately show surveyed features and be at least 1:1250. The surveys shall be sufficient to produce plans that include all roads, structures, boundaries, monitoring points and all other relevant site features. The results of the survey shall be presented as a plan, including the immediate neighbouring landform or an indication of that landform. Plan positions of ground features to be shown to within 1 metre. Spot levels to 0.01m shall be shown at significant landform changes to a density to adequately indicate the true landform, no greater than 50 metre interval in open areas of even gradient, closer when indicating embankments, stockpiles, etc. A calculation of void space in cubic metres, taking account of settlement, shall be carried out at start and at each annual survey. The results of the survey and the calculation shall be submitted to the Environment Agency within 1 month of the survey being carried out.

2.2 Site surfacing and drainage systems (Civic amenity site and Recycling area)

2.2.1 Waste shall only be deposited, stored, treated or otherwise handled in any area of the site where the site surface and drainage system for that area has been provided in accordance with sections 2.3.1.4 and 2.3.1.5 of the working plan and condition 2.2.2 below.

2.2.2 The site surface and drainage system shall be constructed, inspected and maintained, and shall be fully documented and recorded, to be fit for purpose, and, where provided, to meet the standards specified in Table 2.2.

Table 2.2 Site containment and drainage standards

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
a) Hardstanding	Areas of hardstanding shall be constructed of granular material (e.g. crushed stone, aggregate, road planings or other similar material) and maintained such that the working surface: i) shall remain even ii) shall not be subject to settlement or differential settlement iii) shall not be subject to rutting by vehicles even when wet iv) shall have sufficient durability to allow cleaning for example by scraping v) shall remain free of standing water.
b) Impermeable pavement	Areas of impermeable pavement shall be: i) constructed and maintained to take the weight of relevant vehicles, plant and equipment without cracking or breaking; and ii) laid to a fall towards the drainage system to prevent ponding.
c) Storage areas for skips, drums and other mobile tanks and containers	All skips, drums and other mobile tanks and containers having individual capacities of greater than 10 litres which are used for the storage and treatment of wastes shall be constructed and maintained so that they do not leak any liquids contained in them.
d) Inspection and maintenance of areas of hardstanding, impermeable pavement and storage areas	All areas of hardstanding, impermeable pavement and storage areas for skips, drums and other mobile tanks and containers: i) shall be inspected no less frequently than monthly, to ensure the continuing integrity and fitness for purpose of their construction, and the inspection and any necessary maintenance shall be recorded in the site diary; and ii) in the event of any damage occurring so that it is longer meets the specified standards, the Licence Holder shall cease importing waste into or treating waste in the affected area, shall notify the Agency immediately, and shall not recommence importing waste into or treating waste in the affected area until it has been repaired to a standard at least as good as the original specification.

2.3 **Engineered landfill containment system for solid and liquid wastes (leachate and gas generating)**

Provision of engineered landfill containment (phase II to V)

- 2.3.1 From the date of issue of modification waste shall only be deposited in cells or phases which have an engineered landfill containment system which is constructed, completed, documented and recorded in accordance with sections 2.3 and 2.4 of the working plan and the requirements of condition 2.3.2 below.

Construction quality assurance of engineered landfill containment

2.3.2

No wastes shall be deposited in any cell unless:

- a** prior to construction, a Construction Quality Assurance Plan covering all elements of the engineered landfill containment system for that cell has been submitted in writing to the Agency and the Agency has given its written consent to it;
- b** prior to construction, details of the identities, relevant experience and relevant qualifications of the personnel who will be providing independent Quality Assurance of the construction have been submitted in writing to the Agency and acknowledged in writing by the Agency;
- c** the engineered containment system for that cell has been constructed and recorded in accordance with the Construction Quality Assurance Plan;
- d** all changes to the Construction Quality Assurance Plan, independent quality assurance, and detailed method statements have been notified in writing to the Agency, and the Agency has given its written consent to those changes;
- e** the Validation Report on the construction of the engineered containment system for that cell has been submitted in writing to the Agency, and the Agency has confirmed in writing that it has no objection to the placement of waste in that cell.

2.4

Leachate management systems

2.4.1

From 6 months of the date of issue of modification or such longer period as may be agreed in writing by the Agency, waste shall only be deposited in cells which have an engineered leachate management system constructed, documented and recorded in accordance with section 2.6 of the working plan and conditions 2.4.3, 2.4.4, 2.4.5 and 2.4.6 below.

2.4.2

The engineered leachate management system provided for phase II to V shall be used to maintain depths of leachate within the maximum permitted depth within each cell, in accordance with section 2.6.2.2 of the working plan.

Construction quality assurance of leachate management systems (phase II to V)

2.4.3

No wastes shall be deposited in any cell unless:

- a** prior to construction, a Construction Quality Assurance Plan covering all elements of the engineered leachate management system for that cell has been submitted in writing to the Agency and the Agency has given its written consent to it;
- b** prior to construction, details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the construction have been submitted in writing to the Agency and acknowledged in writing by the Agency.

2.4.4

The engineered leachate management system for that cell shall be constructed and recorded in accordance with the Construction Quality Assurance Plan, and the construction shall be completed within 3 months following completion of waste deposits in that cell.

- 2.4.5 Changes to the Construction Quality Assurance Plan, quality assurance, and detailed method statements as referenced in section 2.6.2.2 of the working plan shall not be implemented unless they have been notified in writing to the Agency, and the Agency has given its written consent to those changes.
- 2.4.6 Within 1 calendar month following completion of the specified engineering for a cell, the Validation Report on the construction of the engineered leachate collection and extraction system for that cell shall be submitted in writing to the Agency.

2.5 **Landfill gas management systems**

Provision of landfill gas management system

- 2.5.1 From 6 months of the date of issue of modification or such longer period as may be agreed in writing by the Agency, each cell in which waste is deposited shall have an engineered landfill gas management system constructed, completed, documented and recorded in accordance with section 2.9 of the working plan and conditions 2.5.3, 2.5.4, 2.5.5 and 2.5.6 below.
- 2.5.2 The engineered landfill gas management system provided for each cell shall be operated and maintained, and fully documented and recorded, in accordance with section 2.9 of the working plan.

Construction quality assurance of landfill gas management systems

- 2.5.3 From 6 months of the date of issue of modification or such longer period as may be agreed in writing by the Agency, no further wastes shall be deposited in phase I and no wastes shall be deposited any other cell or phase unless:
- a prior to construction, a Construction Quality Assurance Plan covering all elements of the engineered landfill gas management system for that cell or phase has been submitted in writing to the Agency and the Agency has given its written consent to it;
 - b prior to construction, details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the construction have been submitted in writing to the Agency and acknowledged in writing by the Agency.
- 2.5.4 The engineered landfill gas management system for that cell or phase shall be constructed and recorded in accordance with the Construction Quality Assurance Plan, and the construction shall be completed within 3 months following completion of waste deposits in that cell or temporary cessation of waste deposits in that cell or phase for a period of time longer than 3 months, or other specified period consistent with Intermediate Cover requirement.
- 2.5.5 Changes to the Construction Quality Assurance Plan, quality assurance, and detailed method statements as referenced in section 2.9 of the working plan shall not be implemented unless they have been notified in writing to the Agency, and the Agency has given its written consent to those changes.

- 2.5.6 Within 1 calendar month following completion of the specified engineering works for each cell, the Validation Report on the construction of the engineered landfill gas collection and extraction system for that cell shall be submitted in writing to the Agency.

2.6 **Engineered surface water management systems**

Provision of engineered surface water management systems

- 2.6.1 From the date of issue of modification engineered surface water management systems for each cell or phase shall be provided, which shall have been constructed, completed, documented and recorded in accordance with section 2.7 of the working plan.
- 2.6.2 The engineered surface water management system provided for each cell shall be operated and maintained, and fully documented and recorded in accordance with section 2.7 of the working plan.

2.7 **Installation, maintenance and protection of final capping**

Provision of final cap

- 2.7.1 From the date of issue of modification no cell or phase shall be left without a final cap for longer than 12 months or such longer period as may be agreed in writing by the Agency after the final levels of waste specified in section 2.8 of the working plan have been attained.
- 2.7.2 Each final cap shall be designed, constructed, maintained and protected in accordance with section 2.8.2 of the working plan.

Construction quality assurance of final cap

- 2.7.3 No wastes shall be deposited in any cell or phase until a Construction Quality Assurance Plan covering the final cap for that cell or phase has been submitted in writing to the Agency and the Agency has given its written consent to it.
- 2.7.4 At least one month prior to the commencement of capping details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the construction have been submitted in writing to the Agency and acknowledged in writing by the Agency.
- 2.7.5 The engineered final cap for that cell or phase shall be constructed and recorded in accordance with the Construction Quality Assurance Plan.
- 2.7.6 Changes to the Construction Quality Assurance Plan, and to the quality assurance procedures and detailed method statements as referenced in section 2.8.2 of the working plan shall not be implemented unless they have been notified in writing to the Agency, and the Agency has given its written consent to those changes.
- 2.7.7 Within 1 calendar month following completion of the final cap for each cell, the Validation Report on the construction of the final cap for that cell shall be submitted in writing to the Agency.

2.8 **Site completion - final landform and engineering**

2.8.1 In the event that the specified waste management operations on the site cease and it is confirmed to the Agency that they will not be resumed, the Licence Holder shall ensure that any uncompleted cells are provided with the leachate and landfill gas collection and extraction systems and final cap and protection required under the other conditions of this licence, so as to achieve a landform that meets the following standards:

- a** maximum gradient of 1 in 4;
- b** minimum gradient of 1 in 25;
- c** surface water is drained from the cell to a surface water drainage system provided in accordance with condition 2.6.

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;
 - 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: for General Enquiries (0845 9 333111) and Emergencies (0800 807060), or as subsequently notified in writing by the Agency;
 - h Days and hours site is open to receive waste.

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 are 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 3.7 of the working plan and the following requirements:

Table 3.2 Site security system standards

Site security system	Specified standards
Maintenance standards	Any defects or damage shall be made secure by temporary repair by the end of the working day, and shall be repaired within 7 working days of the damage being detected.

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 or landfill engineering works are being carried out, measures shall be provided, operated and maintained in accordance with section 4.8 of the working plan, with the objective of preventing the deposit or tracking of mud or debris arising from the site onto public areas outside the site, which shall include public highways and areas of public access.

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 equipment specified in section 4.8 of the working plan, 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 public areas outside the site, the affected areas shall be cleaned immediately, in accordance with section 4.8 of the working plan.

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 or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations.

Potentially polluting leaks and spillages from fixed tanks

4.2.2 Each tank used to hold wastes which consist of or contain potentially polluting liquids, sludges or powders, or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations shall be:

- a** loaded and unloaded in accordance with specified filling and emptying procedures;
- b** clearly and unambiguously labelled regarding its contents;
- c** provided with means for measuring the quantity of material and the void space in the tank, which shall be maintained and calibrated as specified;
- d** monitored for quantity of material and void space and the monitoring measurements recorded;

- e inspected and maintained according to the specified maintenance schedules and procedures, which shall be fully documented and recorded;
- f in the event of damage or deterioration to a tank that is, or is likely to cause, a leak, that tank shall be repaired immediately;

and these actions shall be carried out in accordance with section 4.9 of the working plan.

Potentially polluting leaks and spillages from drums and other mobile containers

4.2.3

Each drum or other mobile container used to hold wastes which consist of or contain potentially polluting liquids, sludges or powders, or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations 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 4.9 of the working plan.

Control and remediation of leaks and spillages

4.2.4

In the event of any potentially polluting leak or spillage occurring on site, documented control and remediation procedures shall be implemented immediately and recorded, in accordance with section 4.9 of the working plan.

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, a fire action plan shall be implemented immediately and recorded, in accordance with section 4.10 of the working plan.

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 4.11 and 4.13 of the working plan.

Waste despatch procedures

- 4.4.2 All outgoing wastes shall be inspected, despatched and recorded in accordance with sections 4.11 and 4.13 of the working plan.

Incompatible wastes

- 4.4.3 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 sections 4.11 and 4.13 of the working plan.

4.5 **Waste quantity measurement systems**

Means of measurement

All wastes accepted at and despatched from the site shall be measured in accordance with section 4.14 of the working plan.

4.6 **Storage of asbestos waste**

From the date of issue of modification asbestos shall only be stored on the site in accordance with section 4.13.2.3 of the working plan.

4.7 **Waste discharge and emplacement**

Methods and procedures of waste discharge and emplacement

No wastes shall be deposited in any phase or cell of the landfill other than in accordance with section 4.12 of the working plan.

4.8 **Use of daily cover and intermediate cover**

Daily cover

- 4.8.1 The working surface of areas of the site used for the deposit of degradable wastes shall be treated so that by the end of the working day all parts of such wastes deposited are covered. The methods, materials and depths of cover shall be in accordance with section 4.15 of the working plan.

Intermediate cover

- 4.8.2 In the event that no wastes are deposited in a phase or cell within 14 days of the previous deposit, the surface of the site shall be provided and maintained with an intermediate cover of sufficient thickness and durability that no waste is exposed, that no uncontrolled aerial releases occur, and to a suitable gradient to ensure that excess rainfall is shed from the surface of the site into the surface water management system.

4.8.3 No wastes shall be deposited on the intermediate cover, other than those required to form part of the engineered final cap and its protection.

4.8.4 The methods of installation, maintenance, materials and the thicknesses of intermediate cover shall be in accordance with section 4.15 of the working plan.

4.9 **Removal of residual wastes from site**

4.9.1 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 1 month 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 not apply to any wastes which have been disposed of on the site in accordance with the other conditions of this licence or prior to the issue of this licence.

Monitoring and sampling records

- 5.2.5 A record of the landfill gas monitoring and sampling results shall be made and submitted to the Agency in accordance with section 5.8 of the working plan.

Landfill gas monitoring action plan

- 5.2.6 In the event that any results exceed the trigger level specified in section 5.2.3 of the working plan:
- a the results shall be notified to the Agency immediately and confirmed in writing immediately;
 - b the actions specified in section 5.2.4 of the working plan shall be implemented immediately.

5.3 **Leachate monitoring and reporting**

Leachate monitoring and sampling programme

- 5.3.1 From the date of issue of modification monitoring and sampling of leachate arising in each cell or phase shall be carried out and recorded for each of the leachate monitoring points specified under condition 2.4, in accordance with this condition and section 5.3.2 of the working plan.

Leachate monitoring and sampling records

- 5.3.2 A record of the leachate monitoring and sampling results shall be made and submitted to the Agency in accordance with section 5.8 of the working plan.

Reference elevations for leachate level monitoring points

- 5.3.3 On installation of each leachate level monitoring point, a reference elevation mark shall be permanently inscribed on the leachate level monitoring point and levelled-in to Ordnance Datum.
- 5.3.4 If the value of the reference elevation mark is changed as a result of damage, alteration, extension or movement to a monitoring point, the mark shall be re-levelled. Re-levelling shall take place before the next monitoring round or within 2 weeks, whichever is the sooner.

5.4 **Groundwater monitoring and reporting systems**

Provision of engineered groundwater monitoring system

- 5.4.1 From the date of issue of modification engineered groundwater monitoring systems shall be provided to enable monitoring of the groundwater outside the waste body and engineered containment system, in accordance with this condition and section 5.4.2 of the working plan.
- 5.4.2 The engineered external groundwater monitoring system provided for each cell shall be inspected and maintained, and fully documented and recorded in accordance with section 5.4.2 of the working plan.

Groundwater monitoring and sampling programme

- 5.4.3 Monitoring and sampling of groundwater external to the waste body and engineered containment system of each cell or phase shall be carried out and recorded in accordance with section 5.4.2 of the working plan.

Groundwater monitoring and sampling records

- 5.4.4 A record of the groundwater monitoring and sampling results shall be made and submitted to the Agency in accordance with section 5.8 of the working plan.

Groundwater monitoring action plan

- 5.4.5 In the event that any results exceed the trigger level specified in section 5.4.3 of the working plan:
- a the results shall be notified to the Agency immediately and confirmed in writing immediately;
 - b the groundwater generation action plan specified in section 5.4.4 of the working plan shall be implemented immediately.

Reference elevations for groundwater monitoring points

- 5.4.6 From the date of issue of modification a reference elevation mark shall be permanently inscribed on each groundwater level monitoring point and levelled-in to Ordnance Datum.
- 5.4.7 If the value of the reference elevation mark is changed as a result of damage, alteration, extension or movement to a monitoring point, the mark shall be re-levelled. Re-levelling shall take place before the next monitoring round or within 2 weeks, whichever is the sooner.

5.5 **Surface water quality monitoring and reporting systems**

Provision of surface water monitoring system

- 5.5.1 From the date of issue of modification monitoring of surface water quality shall take place at locations that are physically marked and that are described in section 5.5.2 of the working plan, to ensure that periodic measurements of quality are taken at the same position.

Surface water monitoring and sampling programme

- 5.5.2 Monitoring and sampling of surface water shall be carried out and recorded in accordance with section 5.5.2 of the working plan.

Monitoring and sampling records

- 5.5.3 A record of the surface water monitoring and sampling results shall be made and submitted to the Agency in accordance with section 5.8 of the working plan.

Surface water monitoring action plan

- 5.5.4 In the event that any results exceed the trigger level specified in section 5.5.2 of the working plan:
- a** the results shall be notified to the Agency immediately and confirmed in writing immediately;
 - b** the surface water generation action plan specified in section 5.5.3 of the working plan shall be implemented immediately.

5.6 **Monitoring and reporting of meteorological conditions**

Provision of meteorological conditions monitoring system

- 5.6.1 From the date of issue of modification meteorological monitoring shall be carried out outside the engineered containment system in accordance with this condition and section 5.6.1 of the working plan.

Meteorological monitoring records

- 5.6.2 A record of the meteorological conditions monitoring results shall be made in accordance with section 5.8 of the working plan.

6 Amenity management and reporting

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

- 6.1.1 From the date of issue of modification 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 sections 6.2.1, 6.2.2 and 6.2.3 of the working plan.
- 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 sections 6.2.1, 6.2.2 and 6.2.3 of the working plan shall be implemented immediately.

6.2 **Control of odours**

- 6.2.1 From the date of issue of modification 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 section 6.2.4 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.
- 6.2.3 In the event that any odours arising from the site are released or are likely to be released outside the site boundary at such levels 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 section 6.2.4 of the working plan shall be implemented immediately.

6.3 **Control of pest infestations**

- 6.3.1 From the date of issue of modification measures shall be implemented and maintained throughout the operational life of the site to control and monitor the presence of pests on the site, in accordance with section 6.4 of the working plan.

6.4 **Control of scavenging birds and other scavengers**

6.4.1 From the date of issue of modification measures shall be implemented and maintained throughout the operational life of the site to control and monitor the presence of scavenging birds and other scavengers on the site, in accordance with section 6.5 of the working plan.

6.5 **Control of litter**

6.5.1 From the date of issue of modification 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 6.6.1 of the working plan. The objective of these measures shall be to prevent any litter escaping from the confines of the site.

6.5.2 In the event that litter does escape from the site, it shall be retrieved as soon as practicable by the end of the working day.

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 Records of waste movements

Recording of wastes accepted and removed

- 7.2.1 A record shall be kept of all wastes received (other than those wastes delivered by private householders) and all materials (wastes and recovered materials) removed from the site. The record shall include the following for each vehicle load of waste / material:

for waste received:

- a** origin of waste;
- b** date received;
- c** quantities in tonnes received and waste type;
- d** nature of the waste (solid, liquid or sludge.)

for waste / material removed:

- e** date removed;
- f** quantities in tonnes removed and waste and / or material type;
- g** destination of waste and / or materials removed;
- h** nature of the waste and / or materials (solid, liquid or sludge.)

Summary records of wastes accepted and removed

- 7.2.2 A summary of the information, including nil returns, shall be submitted to the Agency, in the format specified by the Agency in Annex 1, 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.

7.3 **Site diary**

7.3.1 A site diary 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:

- a** Start and finish of construction works;
- b** Start and finish of daily waste management processes on the site;
- c** Plant maintenance and breakdown;
- d** Emergencies and actions taken;
- e** Problems with waste received and actions taken;
- f** Site inspections by the operator, their findings and remedial responses;
- g** Weather conditions requiring mitigating actions and actions taken;
- h** Despatch of records to the Agency;
- i** Environmental problems and remedial actions;
- j** Complaints about site operations and actions taken;
- k** Technically competent management attendance on site: the date and the time onto site and the time left site.

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

7.4 **Periodic reporting of environmental performance**

7.4.1 From the date of issue of modification the Licence Holder shall provide the Agency within 1 month following the end of the financial year, or such other time as is agreed in writing with the Agency, 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.

Interpretation

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

“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;

“authorised officer of the Agency”

means any person(s) 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;

“clinical waste”

has the meaning as defined in regulation 1(2) of the Controlled Waste Regulations 1992 or any statutory provisions amending or replacing them;

“consequences”

for **risk assessments** carried out within these conditions, means 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;

“engineer”

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

“engineered”

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

“engineered landfill containment system”

means all elements (other than leachate and landfill gas management systems, and intermediate and final caps), relating to engineered liners for final disposal to land, and incorporating liners for individual cells and the site as a whole, and including methods of liner protection and leakage detection;

“engineered site containment and drainage system”

means all elements relating to engineered containment of activities on the site, other than final disposal to land, and incorporating site surfacing, bunding and drainage systems, buildings and fixed tanks;

“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;

“engineering survey”

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

“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”

means any water contained in underground strata;

“hazard”

means a property or situation that in particular circumstances could lead to harm;

“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);

“inert waste “

means waste which when disposed of in or on land does not undergo any significant physical, chemical or biological transformation;

“landfill gas management system”

means all elements relating to landfill gas extraction from individual landfill cells and the landfill mass as a whole, and incorporating methods of landfill gas drainage, containment and the subsequent disposal system, whether it be a methane oxidation system, landfill gas flare, landfill gas engine(s) or otherwise, either on or off the site;

“leachate management system”

means all elements relating to leachate extraction from individual landfill cells and the landfill mass as a whole, and incorporating methods of leachate drainage, containment and the subsequent treatment and/or disposal system, either on or off the site;

“maintenance”

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

“preparatory works”

means engineering works required prior to the carrying out of the activities authorised by this licence;

“probability”

means 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;

“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;

“release pathways”

for **risk assessments** carried out within these conditions, shall mean 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;**

“relevant offences”

are offences within the meaning of regulation 3 of the Waste Management Licensing Regulations 1994 or any statutory provisions or regulations amending or replacing them;

“risk”

means a combination of the **probability** and **consequences** of occurrence of a defined **hazard**;

“risk assessment”

means 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”

means 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;

“special waste”

has the meaning as defined by regulation 2 of the Special Waste Regulations 1996 or any statutory provisions or regulations amending or replacing them;

“specified waste management operations”

means the waste management operations authorised by condition 1.1 of this licence;

“surface water management system”

means all elements relating to collection of rain water or surface water from individual landfill phases and the landfill site as a whole, and incorporating methods of water collection, containment and the subsequent treatment and/or disposal system, either on or off the site;

“surface water”

means any lake, pond, river or watercourse whether natural or artificial;

“the 1994 Regulations”

means the Waste Management Licensing Regulations 1994 and any statutory provisions or regulations amending or replacing them;

“the Agency”

means the Environment Agency;

“the Licence Holder”

means the Licence Holder specified in this licence or other person to whom the licence has been transferred in accordance with section 40 of the Environmental Protection Act 1990;

“the operator”

means a person who is in occupation of the site and has responsibility for carrying out day to day activities at the site;

“the site”

means the land, structures, plant and equipment to which this licence relates;

“time periods, e.g. annually, quarterly, monthly, per year, etc. “

Where periods are referred to in conditions, they shall be calculated in the following way:

- annually or per year: 1 April to 31 March;
- quarterly: 1 April to 30 June, 1 July to 30 September, 1 October to 31 December, 1 January to 31 March;
- monthly: calendar month;
- weekly: Monday to Sunday.

Where the issue of the licence does not coincide with the start of any of these periods, then any relevant limits for the first period shall apply pro rata;

“UK Waste Classification Scheme” or “UKWCS”

the UK Waste Classification Scheme (Draft16) or its subsequent replacement;

“waste”

means controlled waste as defined in section 75(4) of the 1990 Act and the Controlled Waste Regulations 1992 or any statutory provisions or regulations amending or replacing them;

“working plan”

means the working plan identified in writing by the Agency at the time of issue of this licence and any subsequent amendments to it made in accordance with the conditions of this licence.