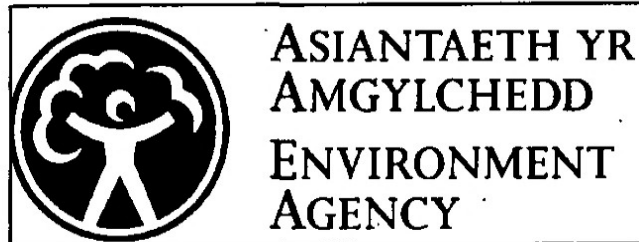




PERMIT

LICENCE NUMBER: SWW/161/L

ENVIRONMENTAL PROTECTION ACT. 1990. WASTE MANAGEMENT LICENCE.

The Environment Agency, in pursuance of Part II of the Environmental Protection Act 1990, hereby grant a waste management licence authorising the disposal of controlled waste on the land specified in schedule 1 to this licence to Mr D H Lawrence and Mr G L Lawrence T/A Lawrence Landfill those persons being in occupation of the said land, the said land being subject to the conditions specified in schedule 3 to this licence.

In this licence the words and expressions contained in schedule 3 shall have the meaning assigned to them in schedule 2 of this licence.

Dated 12th March 1997 Signed 
(Area Waste Regulation Manager)

The Environment Agency
Welsh Region
South West Area
154 St Helens Road
Swansea
SA1 4DF

YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL DETAILED IN THE NOTES AT THE
END OF THIS LICENCE.

FOR ENVIRONMENT AGENCY USE ONLY.

WASTE MANAGEMENT LICENCE

Continuation Sheet 1 of 21

Licence No: SWW/161/L

Date: 12th March 1997

SCHEDULE 1 - SPECIFIED LAND

The licence relates to the land (hereinafter called ' the site ') shown edged BLUE on the Drawing Reference Number LAW002/ELA, submitted with the waste management licence application dated 10th October 1996, and attached to this licence. This land being near Halfway House, Pope Hill, Johnston, Haverfordwest, Wales.

WASTE MANAGEMENT LICENCE

Continuation Sheet 2 of 21

Licence No: SWW/161/L

Date: 12th March 1997

SCHEDULE 2 - INTERPRETATION

The following meanings shall apply throughout this licence:

LICENCE shall mean this document which is a Waste Management Licence for the purposes of Part II of the Environmental Protection Act 1990.

WORKING PLAN means all the following documents and plans:

- Waste Management Licence Application document signed and dated 10th October 1996.
- Working plan document dated 20th September 1996, Version No LAW002.
- Plan No RJS002 dated 20/09/96
- Plan No LAW002/ELA dated 20/09/96
- Plan showing location of monitoring points. Scale 1/500 Survey date 8/6/95 E.A Reference LLP2.
- Plan No LAW002/DRAIN dated 20/09/96
- Plan No LAW002/LOC dated 20/09/96
- Site Location Plan - E.A Reference LLP 1.
- Letters from Licence Holder to E.A dated 06/11/96 and 28/11/96.
- Hand written amendments to Working Plan from Licence Holder in relation to site monitoring and gas well - not dated

or any such additional documents or plans approved in writing by the E.A which replace or amend those listed above.

SITE means the area of land to which this Waste Management Licence relates, being that area edged in blue on Plan No LAW002/ELA of the Working Plan.

THE ACT shall mean the Environmental Protection Act 1990 as amended.

E.A shall mean the Environment Agency.

DULY AUTHORISED OFFICER shall mean any person appointed by the Environment Agency pursuant to section 108 of the Environmental Act 1995.

POLLUTION OF THE ENVIRONMENT shall have the meaning assigned to it in section 29 (3) of the Environmental Protection Act, 1990 and any subsequent amendment.

LICENCE HOLDER shall mean the person or persons to whom this licence is granted.

TECHNICALLY COMPETENT PERSON means for the purpose of this licence, a person who is a holder of a valid certificate of Technical Competence awarded by the Waste Management Industry Training and Advisory Board or an approved substitute which relates to the activities authorised by this licence and is in accordance with the Waste Management Licensing Regulations 1994 or subsequent amendments.

WASTE MANAGEMENT LICENCE

Continuation Sheet 3 of 21

Licence No: SWW/161/L

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CLINICAL WASTE Shall have the meaning as ascribed to it by the Controlled Waste Regulations 1992. And any subsequent amendments.

PROFICIENT PERSON Shall be a person trained to understand the terms and conditions of this licence, to recognise the general descriptions of waste that may arrive at the site, and actions to be taken to deal with such waste and what action to take in the event of an emergency. The person shall have direct access to the persons making up the Technically Competent Management of the site.

RELEVANT PERSONS shall have the same meaning as that described in 74 (7) of the Environmental Protection Act 1990 and any subsequent amendments.

RELEVANT OFFENCE shall have the same meaning as that prescribed by Regulation 3 of the Waste Management Licensing Regulations 1994 and any subsequent amendments.

APPROPRIATELY QUALIFIED PERSON shall mean a recognised Consultant Engineer or other such appropriately qualified persons as may be agreed in writing by the Waste Regulation Authority.

SPECIAL WASTE shall have the meaning assigned to it in the Special Waste Regulations 1996, and any subsequent amendments.

FLAMMABLE shall have the meaning assigned to it in schedule 1, part 1 of the Classification, Packaging and Labelling of Dangerous substances Act, 1984 and any subsequent amendment.

DRUM CONTAINER shall mean any container in which material is stored. Such containers having storage capacities less than 10 litres shall not be regarded as drum containers for the purpose of this licence.

EMERGENCY shall mean a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of the environment.

OPERATIONS means any of the following activities:

- a) the deposit of waste on land.
- b) the use of plant and equipment, excluding the use of Mobile Plant (as defined below), to treat or process waste on land.

MOBILE PLANT shall have the same meaning as that prescribed in Regulation 12 of the Waste Management Licensing Regulations 1994 and any subsequent amendments.

WASTE shall mean Controlled Waste (as defined under section 78 of the Environmental Protection 1990) which is also Directive Waste (as defined in Regulation 1 of the Waste Management Licensing Regulations 1994) And any subsequent amendments.

WASTE MANAGEMENT LICENCE

Continuation Sheet 4 of 21

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AUTHORITY shall mean any organisation or body, empowered by an Act of Parliament, which has a duty to carry out any enforcement function in connection with the activities of the site.

HOURS OF DARKNESS shall mean that period between thirty minutes after sunset and thirty minutes before sunrise.

SCRAP METAL shall have the meaning assigned to it in section 9 (2) of the Scrap Metal Dealers Act 1964.

IMPERMEABLE PAVEMENT means a pavement which is constructed and maintained to a standard sufficient to prevent the transmission of liquid beyond the pavements surface.

SEALED DRAINAGE SYSTEM means a drainage system with impermeable components which does not leak and will ensure that;

- a) no liquid will run-off the pavement otherwise than via the system
- b) except where they maybe lawfully discharged, all liquids entering the system are collected in a sealed sump.

A sealed drainage system must discharge either to an oil interceptor and thence to an approved discharge or to a sealed sump.

An approved discharge may be a sewer, a watercourse or a soakaway. For discharge to a sewer prior consent from the water company must be obtained by the operator. For a discharge to a watercourse or soakaway prior consent from the Environment Agency must be obtained by the operator.

DIFFICULT WASTE means waste that creates difficulties in its handling or disposal because of its physical and/or chemical properties.

Notwithstanding the above, words and phrases in this licence have the meaning ascribed to them by the Environmental protection Act 1990 and its associated regulations.

WASTE MANAGEMENT LICENCE

Continuation Sheet 5 of 21

Licence No: SWW/161/L

Date: 12th March 1997

SCHEDULE 3 - CONDITIONS

A TYPES OF WASTE

A 1.1 Types of waste materials accepted at the facility shall consist only of the following solid wastes:

Topsoil	Subsoil
Silica (excluding finely powdered waste)	Glass
Sand	Stone
Clay	Brickwork
Concrete	

Quantities of waste

A 1.2 The maximum amount of waste which shall be accepted and dealt with at the Site shall not exceed the quantities specified in the Working Plan.

A 1.3 The annual throughput of waste at the site shall not exceed 24,999 tonnes per annum.

Exclusions

A 1.4 Notwithstanding the generality of the types of waste specified in condition A 1.1, the following wastes shall be specifically excluded from delivery to the facility without the prior written approval of the Environment Agency.

- a) Controlled waste being defined as "Special Waste" in the Special Waste Regulations 1996.
- b) Substances within the control of the Radioactive Substances Act 1993 and subsequent amendments
- c) Percussive and explosives and other substances with similar characteristics.
- d) Drums
- e) Liquid Wastes.
- f) Asbestos (fibrous or cement bonded).
- g) Plasterboard
- h) Contaminated soil

WASTE MANAGEMENT LICENCE

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B GENERAL CONSIDERATIONS

B.1 Application Area

B 1.1 The area which is the subject of this licence is shown outlined in blue on Drawing Number LAW002/ELA dated 20/09/96 of the Working Plan.

B 1.2 The deposit of those wastes covered by this licence shall only take place within the area marked in red on Drawing Number LAW002/ELA dated 20/09/96 of the Working Plan.

B.2 Waste types and quantities

B 2.1 The types and maximum quantities of wastes permitted for deposit, within the licensed area, shall only be those as shown in condition A 1.1 of this licence.

B.3 Hours of operation

B 3.1 Subject to condition C7.1 the site shall only be operated between the following times:

Monday - Friday	0800h - 1700h
Saturday	0800h - 1700h
Sundays and Bank Holidays	Closed

Operations outside the above hours shall not take place, except in an emergency where operations are necessary to protect public health and safety. (For the purposes of this condition operated means the reception, deposit, movement, loading and removal of waste materials.) The E.A shall be notified immediately of all circumstances of emergency movement of waste and details of the movement shall be reported confirmed in writing to the E.A within three working days of the emergency movement.

B.4 Management and Staffing

B 4.1 The activities of this licence shall be made known to any person given responsibility for the Management or control of the site and of any persons employed in any operational activities on the site.

B 4.2 A list of technically competent persons and the Management Structure shall be provided to the E.A in writing prior to waste being deposited at the site. The list shall contain the following information:

- (i) Name of the person

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- (ii) Position within Management Structure
- (iii) Responsibility of the person
- (iv) Certificate details, i.e. evidence of competency
- (v) Business address and telephone number

B 4.3 During all operations and periods of maintenance at the site, the site shall be manned by a proficient person. That person shall have access to the technically competent management of the site as set out in the Working Plan.

B 4.4 Any changes to the Management or the Management Structure should be notified to the E.A in writing within 14 days of its change.

B 4.5 If any "relevant person" is convicted of a "relevant offence" the holder shall notify the E.A in writing within 14 days of the conviction.

B.5 Working Plan

B 5.1 Subject to the conditions of this licence the site shall be operated in accordance with the Working Plan as agreed in writing with the E.A.

B 5.2 Details of any proposed amendments to the agreed working plan shall be submitted to the E.A in writing prior to their implementation.

Where the proposed amendments alter specifics of the working plan which have been referred to in conditions of this licence (excluding C6.1 above) the licence holder must submit the proposals to the E.A. in writing at least four weeks in advance of the proposed date of implementation of the changes. The proposed changes shall not be implemented if the E.A informs the Licence Holder that the changes would require the variation or addition of licence conditions.

B.6 Precautions and Emergency Procedures

B 6.1 No operations shall be carried out at the facility during the hours of darkness.

B 6.2 The EA shall be notified, without undue delay, by telephone of any incident involving serious injury to any person caused by site operations or any other serious incident related to operations at the site such as spillage of waste or wastes deposited at the site. Details of any such incident shall be confirmed in writing within 3 working days.

B 6.3 No materials shall be burnt on site. Any outbreak of fire on the site shall be regarded as an emergency and immediate steps taken to extinguish it. All outbreaks of fire shall be notified immediately to the E.A by telephone and confirmed in writing within 3 working days.

B 6.4 The Licence Holder shall provide to the E.A within two months from the date of issue

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of this Licence, an emergency plan which details the procedures to be adopted in the event of the release of any hazardous material, liquid or gas at the site.

B 6.5 The emergency plan required by condition C6.4 and the emergency procedures provided in the Working Plan shall be reviewed at six monthly intervals and updated wherever necessary. The updated emergency plan and procedures shall be forwarded to the E.A forthwith.

B.7 Commencement of operations

B 7.1 No waste shall be deposited at the Site until such times as the background monitoring required by Section H of this licence have been undertaken.

B.8 Cessation of operations

B 8.1 Any cessation of operations at the site for a period in excess of 12 weeks shall be notified to the E.A in writing. Not less than 14 days notice shall be given to the E.A of the date on which the operations are to recommence in the event of such a cessation.

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C SITE PREPARATION

C.1 Protection of stripped soil

C 1.1 Prior to the deposit of waste at the site existing topsoil shall be stripped from the area marked in red on Drawing Number LAW002/ELA dated 20/09/96 of the Working Plan, and stored in accordance with the Working Plan.

C.2 Surface water control/drainage

C 2.1 No deposit of waste shall take place within 10 metres of the bank of the stream located to the North of the site.

C 2.2 All watercourses, springs and issues located within the site shall be intercepted and diverted to the perimeter of the site in order to prevent the contamination of the watercourses, springs or issues.

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D SITE INFRASTRUCTURE

D.1 Notice board and signs

D 1.1 Within two months from the date of issue of this licence an identification board of durable material shall be erected and maintained in a prominent position at the site entrance. The board shall display the following information:

- a) Name, address and telephone number of the site.
- b) Name, address and telephone number of the local Environment Agency Office.
- c) Licence number.
- d) Hours of operation (in accordance with licence condition).
- e) Name of licence holder.
- f) The site operators emergency telephone contact number

The board shall be maintained in a legible condition at all times.

D 1.2 A sign of durable material and finish shall be prominently displayed at the entrance of the site which specifies visitor reporting procedures. This sign shall be maintained in a legible condition at all times.

D 1.3 Any areas in which any flammable liquids are dealt with shall be designated no smoking areas and appropriate signs shall be prominently displayed.

D.2 Site Security

D 2.1 Site security measures detailed in the working Plan shall be maintained in good working order at all times.

D 2.2 Perimeter fencing and gates shall be provided and maintained at all times in accordance with the working plan. The gates shall be securely locked at all times when the site is not in use.

D 2.3 Defects in any site security measures which may permit unauthorised access to the site shall be repaired by the end of the working day in which they are discovered. Where such repair is not possible then personnel shall be employed to ensure 24 hour security cover until such repair is effected. All other defects in the security measures shall be repaired within 10 working days. A written record of all repairs shall be made in the site diary.

D.3 Bunded Areas

D 3.1 Fuel and oil storage containers and associated pipework shall be situated within a bunded

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area. The base and bund walls of which shall be constructed with an impermeable material so as to contain, at any time 110% of the volume of the largest container present within the area. All tanks and containers shall be accurately labelled to indicate their contents.

- D 3.2 Inspection of all bunded areas at the site shall take place on a daily basis with the results of the inspection being recorded in the site diary. All necessary repairs shall be commenced without delay and, in any event, be completed within 5 working days. Alternative storage agreements shall be made until such repairs are effected.

D.4 Site office

- D 4.1 Site offices shall be provided and maintained in accordance with the Working Plan.
- D 4.2 Telephone facilities shall be provided and kept available at the site.
- D 4.3 A complete copy of the licence, working plan and services diagram shall be kept in the site office.
- D 4.4 Copies of all records required by this licence shall be kept in the site office.

D.5 Unauthorised Waste Storage

- D 5.1 Any non-permitted waste stored at the site shall be stored in a lockable sealed skip such that waste cannot escape from it and it is inaccessible to members of the public. The amount of non-permitted waste stored at the site at any time shall not exceed 40 cubic yards and a maximum of two skips may be used for this purpose. These skips shall be kept locked at all times when the site is not open for the receipt of wastes.
- D 5.2 The skips referred to in Condition E 8.1 shall be removed for emptying at a suitably licensed facility as soon as they are full or at monthly intervals whichever is the sooner, except where the unauthorised waste might be expected to result in any pollution to the environment, harm to human health or detriment to the amenities of the area in which case the operator shall take such precautions as are necessary to prevent such harm, pollution or detriment from occurring and shall ensure the removal of the relevant waste to a suitably licensed facility within a maximum of three working days.
- D 5.3 Where the non-conforming waste stored in accordance with condition E5.1 consists of Liquid Petroleum Gas and other pressurised gas cylinders, then they shall be stored separately from other non-conforming wastes and their storage period may be extended upon the agreement in writing of the E.A.

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D.6 Site Roads

- D 6.1 All materials used in the construction of (site roads, hardstanding, bunds, impermeable hardstanding, bays storage areas, compound surface) shall be free from any material likely to impede the function of the completed construction and each load shall be specifically inspected to ensure this. A written record of the inspection of construction materials shall be kept in the site office and made available to any duly authorised officer.
- D 6.2 Waste shall not be deposited on any part of the site until a primary road has been provided from the site entrance to the working area, as detailed and in the Working Plan as the 'hardcore access road'.
- D 6.3 The primary site road as required by condition E 6.2 shall be kept free from mud, wastes or other debris and shall be swept and scraped as necessary to maintain it in a clean condition.
- D 6.4 All site roads shall be laid to a fall to encourage surface water run off, and be maintained free from pot-holes of dimensions greater than the narrowest tyre tread and width of vehicles using the site, and free from tracked depressions deeper than the shallowest vehicle ground clearance of vehicles using the site. Any pot-holes or depressions shall be filled and finished flush with compacted hardcore or rubble in compliance with this Condition within five working days.
- D 6.5 Subsidiary roads shall be kept clear of any objects likely to cause damage to vehicles using the site.

D.7 Wheel Cleaning

- D 7.1 Waste shall not be deposited on any part of the site until a wheel cleansing apparatus has been provided in accordance with the Working Plan.

D.8 Gas Monitoring Well

- D 8.1 A gas monitoring well shall be progressively installed as filling commences at the location and to the specification detailed in the Working Plan.

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E SITE OPERATIONS

E.1 Waste Inspections

- E 1.1 On arrival all waste loads shall be visually inspected by a proficient person both before they are deposited and immediately after deposit.
- E 1.2 Any waste which upon arrival at the site is unacceptable within the terms of this licence shall be rejected. The E.A shall be notified immediately of any incident of waste rejections, either by facsimile or by telephone, and confirmed in writing within 3 working days.
- E 1.3 Any waste which upon arrival at the site is unacceptable within the terms of this licence which cannot be removed immediately from the Site shall be immediately segregated and stored in the secure container detailed in condition D5.1.

E.2 Method of placement

- E 2.1 Solid waste shall be compacted and formed into a layer as soon as possible after deposit and not later than the end of the working day in which the waste was deposited.
- E 2.2 The depth of a layer of waste shall not, after initial compaction, exceed 1 metre.
- E 2.3 Waste shall either
 - (a) be deposited on the surface of the site behind the face and partially compacted by the specified compaction equipment before being pushed over the face, or it shall
 - (b) be deposited on the ground forming the base of the site or on a previous layer in front of the face and shall be formed into a compacted layer by being pushed upwards and driven over by the specified compaction plant.
- E 2.4 Before covering, working faces and flanks shall be compacted to form gradients no steeper than 1 in 3.
- E 2.5 All large articles, shall be crushed, broken up or flattened and covered each day by other wastes in such a position that they are not within one metre of the surface or two metres of the flanks or face.
- E 2.6 Each layer of waste shall be laid to fall to encourage surface water run off.
- E 2.7 When a situation prevails where adverse weather conditions prevent the deposit and/or handling of waste materials at the site in accordance with the other conditions of this

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licence, then the input of wastes which cannot be handled shall cease.

E.3 Plant and Machinery

E 3.1 The level of plant and equipment for the purpose of waste operations and engineering shall be provided as detailed in the working plan. This level of plant and equipment shall be maintained in accordance with the manufacturer's instructions to ensure effective waste handling.

E 3.2 Measures, including proper maintenance and use, shall be undertaken to control the noise of machinery and vehicles operating at the site so as to prevent detriment to the amenities of the locality.

E.4 Breakdowns, leakages and spills

E 4.1 Any spillages within the bunds referred to in conditions D 3.1, D3.2 shall be removed immediately and shall be disposed of to a suitably licensed waste management site.

E 4.2 No contaminated water shall be discharged to a watercourse or surface water drain unless in accordance with consent to discharge issued by the E.A. Any discharge to the foul sewer shall only occur with the written consent of the sewage undertaker. A copy of any such consent shall be submitted to the E.A.

E 4.3 All spillages of waste must be cleared away by the end of the working day in which they occur.

E 4.4 Quantities of sand and oil absorbent granules shall be provided at the site and used as necessary in the clear up of spillages.

E. 5 Supervision of site visitors.

E 5.1 Visitors to the site shall be supervised in accordance with the Working Plan.

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F POLLUTION CONTROL

- F 1.1 The wheel-cleaning facilities specified in the Working Plan shall be provided and used, so as to prevent deposit of mud, oil or other debris on the public highway.
- F 1.2 Measures should be taken to remove, mud, debris or any other materials that is deposited on any roadway by vehicles leaving the site.
- F 1.3 Any spillage shall be dealt with immediately to prevent pollution. Quantities of sand or absorbent materials shall be kept and spread on the spillage. Absorbent material which has been contaminated by such spillages must be cleaned from the surface and removed to a suitably licensed facility. Should the spillage contaminate the ground of the site the licence holder shall excavate the contaminated material and remove it to a suitably licensed facility. Any instances of spillage which results in the need for such excavation shall be notified to the E.A immediately by facsimile or telephone.
- F 1.4 Measure shall be taken to deal effectively with any vermin or insects arising at the site. Inspections for infestation shall be conducted weekly and the results recorded in the site diary.
- F 1.5 Measures shall be taken to effectively suppress dust and malodours which may be detrimental to the amenities of the locality. Any waste causing detriment to the amenities of the locality shall be removed from the site without due delay to a suitably licensed facility.
- F 1.6 All internal roadways shall be kept clear of obstruction to permit the effective operation of the site and access by any Emergency Service.
- F 1.7 Measures shall be taken to effectively suppress noise arising from the site in order to prevent detriment to the amenities of the locality.
- F 1.8 Site roads shall, as necessary in dry weather, be sprayed with water to prevent dust nuisance occurring.

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G RESTORATION AND COMPLETION

G.1 Final Levels

- G 1.1 The final 0.5 metre thick layer of waste deposited at the site prior to the subsoil and topsoil layers as required by condition G 2.2 shall be kept free of materials likely to interfere with the final restoration and subsequent use of the site.
- G 1.2 Prior to the deposit of the final level of wastes at the site markers shall be placed in prominent positing so as to indicate the maximum depth of material to be deposited in that final layer. These markers shall be protected by clearly visible fencing or barriers so as to prevent their destruction by operations on the site.
- G 1.3 Final contours of the site shall be achieved by the provision of topsoil over the completed phases.
- G 1.4 Finished levels for the top surface after tipping and soil placement at the site shall be as detailed in drawing no RJS002 of the working plan.

G.2 Soil Placement

- G 2.1 At laest one week prior to the placement of the final 700mm of soil on the site, the E.A shall be informed in writing of the intention to begin restoration of the Site.
- G 2.2 The final depth of fill material of the site shall consist of :
 - a) 400mm of subsoil which shall be thoroughly ripped to facilitate root growth.
 - i) The subsoil utilised shall be of an inert nature and shall contain no material likely to impede it's cultivation or to intrude into the capping layer below.
 - ii) An organic matter content of a minimum of 1% shall be present in the subsoil used, addition of organic material or fertiliser shall be permitted and thorough mixing undertaken, prior to emplacement, to achieve the minimum organic content throughout.
 - b) A minimum depth of 300mm of topsoil emplaced upon the ripped subsoil.
 - i) The topsoil utilised shall be of an inert nature and shall contain no material likely to impede it's cultivation or to intrude into the capping layer below.
 - ii) An organic matter content of a minimum of 3% shall be present in the

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topsoil used, addition of organic material or fertiliser shall be permitted and thorough mixing undertaken, prior to emplacement, to achieve the minimum organic content throughout.

- G 2.3 a) The placement of topsoil shall be undertaken in a manner which shall minimise damage to the soil structure,
- b) Minimal compaction must be achieved and soil only handled when they are not in a wet condition.
- c) No emplacement machinery shall traverse the emplaced topsoil and emplacement shall be managed from the surface of the protective layer or subsoil over the capped surface.
- d) After emplacement a lightweight bulldozer shall be permitted to grade the surface and usual agricultural machinery for the cultivation of the surface shall be permitted.

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H. MONITORING

H.1 General

H 1.1 Prior to the deposit of waste at the site the Licence Holder shall produce and provide to the E.A an environmental monitoring plan for the site. This plan shall include details of sampling locations, methods, analytical determinands and analytical methods and shall be incorporated into the Working Plan for the Site. The plan shall take account of the guidance given on the monitoring of landfill sites as published by the Department of the Environment in it's Waste Management Papers, in particular papers 4, 26F and 27.

H.2 Surface Water

H 2.1 Prior to the deposit of waste at the Site the Licence Holder shall establish background levels of the following determinands in the stream to the North of the Site as shown on plan RJS002 of the Working Plan.

pH, Electrical Conductivity, Dissolved Oxygen, Ammoniacal Nitrogen, Chloride, Sulphate, Total Organic Carbon, Na, K, Ca, Mg, Fe, Mn, Cd, Cr, Cu, Ni, Pb, Zn.

A copy of the laboratory report together with a plan showing the locations from which the samples were taken shall be provided to the E.A.

H 2.2 During the operational life of the site the stream referred to in Condition H 2.1 shall be sampled at those locations detailed in the working Plan at intervals of not more than three months for the following parameters:

pH, Electrical Conductivity, Dissolved Oxygen, Ammoniacal Nitrogen, Chloride, Sulphate, Total Organic Carbon, Na, K, Ca, Mg, Fe, Mn, Cd, Cr, Cu, Ni, Pb, Zn.

A copy of the laboratory report together with a plan showing the locations from which the samples were taken shall be provided to the E.A.

H.3 Landfill Gas

H 3.1 Prior to the deposit of waste at the Site the Licence Holder shall establish background levels of landfill gas, oxygen and carbon dioxide in the soils of the Site.

All sampling shall be undertaken in accordance with the Department of the Environment's Waste Management Paper No 27.

A report considering the following determinands for each sample location, together with

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a plan showing the sample locations shall be provided to the E.A:

- i) Time and date of sampling
- ii) Barometric pressure
- iii) Gas content:
 - a) % Lower Explosive Limit
 - b) % Methane in air
 - c) % oxygen
 - d) % Carbon Dioxide

H 3.2 During the operational life of the site the site shall be routinely monitored for landfill gas at intervals not exceeding 6 months.

H 3.2 Portable gas detection equipment used for landfill gas monitoring shall be calibrated in accordance with the manufacturer's instructions for the gas it is intended to monitor and the certificate of calibration made available to the E.A on request.

H 3.5 The results of the gas monitoring required by conditions of this Licence shall be written into the site diary. A true copy of these results shall be forwarded to the E.A at the end of each calendar year.

H 3.7 If at any time gas levels greater than 1% (20% LEL) flammable gas or 1.5% carbon dioxide, by volume in air, are detected at any monitoring point, the E.A shall be informed verbally before the end of the following working day, and this information shall also be confirmed in writing within seven days.

H.4 Void space

H 4.1 A record shall be kept of the site levels relative to Ordnance Datum and of the remaining volume to be land filled in all unfinished areas of the site. This record shall be updated at regular intervals as specified in the Working Plan, and in any case not less frequently than once every year.

H 4.2 The remaining life of the site for landfill operations, calculated in months on the basis of the updated records of the site levels and of the remaining unfilled volume of the site, shall be sent to the E.A within one calendar month of the relevant records being made or updated.

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I RECORDS

I.1 Waste Received

I 1.1 The following details shall be recorded for every load of waste arriving at the site:

- (i) The date and time of delivery
- (ii) The source, including local authority district, of the waste
- (iii) The quantity in tonnes
- (iv) Description of the waste
- (v) Name of person or company delivering the waste, carrier registration No.
- (vi) Vehicle registration
- (vii) Any disposal related precautions to be taken in handling waste

I.2 Waste Exported

I 2.1 The following details shall be recorded for every load of waste leaving the site.

- (i) The date and time of removal
- (ii) The destination, including local authority district, of waste
- (iii) The quantity in tonnes
- (iv) Name of person removing the waste
- (v) Vehicle registration number
- (vi) If removed by other than the Licence Holder, the waste carriers registration number.

I.3 Waste Rejected

I 3.1 The following details shall be recorded for every load or item rejected from the site:

- (i) The date and time of rejection waste
- (ii) The description of waste
- (iii) The reason for rejection of waste
- (iv) The producer or holders name, address and telephone number
- (v) A photocopy of all accompanying paperwork
- (vi) The carriers name and registration number
- (vii) The vehicle registration number and name

I.4 Waste Returns

J 4.1 A written record shall be made of the types and quantities (in tonnes) of waste deposited, exported and rejected in each calendar month. This record shall be forwarded to the E.A

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to arrive within one month of the end of the calendar month to which the record refers or as otherwise agreed with the E.A in writing.

I. 5 Site Diary

- I 5.1 A site diary for the purpose of recording site activities shall be maintained at the site and made available for inspection by officers of the E.A on request. Entries shall include a record of any inspections required by the conditions of this licence, including inspections of gates, fencing, site roads, non-compliant waste area, concrete hardstanding, bunds, tank and drainage channel inspections, surface water drainage and inspections for vermin or insects. A full record of all emergencies on the site shall be made in the site diary.

The following information shall be recorded:

- (i) The identity and signature of the inspection personnel
- (ii) The date and time of inspection or event
- (iii) The details of the type of inspection and any defects or infestations
- (iv) Any remedial action or emergency action taken
- (v) The name of the nominated deputy in the absence of the site manager

I. 6 Visitors Book

- I 6.1 A visitors book shall be kept on site and shall be signed by all visitors except members of the public using the civic amenity area and shall include the following information:

- (i) Name
- (ii) Company/Organisation
- (iii) Reason for visit
- (iv) Date
- (v) Time of arrival and time of departure

I. 7 Other Authorities

- I 7.1 A copy of any notice or instruction received by the Licence Holder in respect of the site from any Authority, other than the E.A, which in anyway relates to the use of the site, shall be given to the E.A by the Licence Holder within 3 days of receipt of such a notice or instruction.