



CYNGOR DOSBARTH
GLYNDŴR
 DISTRICT COUNCIL

SWYDDFEYDD Y CYNGOR
 RHUTHUN, CLWYD, LL15 1YN

COUNCIL OFFICES,
 RUTHIN, CLWYD, LL15 1YN

Prif Swyddog
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A.S. Fidler
 M.R.S.H., M.I.E.H.

Chief Environmental
 Health Officer

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ENVIRONMENTAL PROTECTION ACT 1990 - PART II

WASTE MANAGEMENT LICENCE No. GL46

THE GLYNDWR DISTRICT COUNCIL HEREBY GRANT a Waste Management Licence, pursuant to an application dated 23/9/94, in respect of the following:

Full name and address of licence holder	Jones Bros. Ruthin (Civil Engineering) Co. Ltd. Denbigh Road Ruthin Clwyd LL15 2YH
Location of site to which this licence relates	Moel-Y-Faen Quarry Horseshoe Pass Nr. Llangollen Clwyd
Grid reference:	SJ 182.478
Type of waste management activity to which this licence relates	Landfill
Types of waste of which deposit or disposal is authorised and any limitation as to quantity	Refer to Appendix I

This Licence is granted subject to the following conditions:-

Refer to the attached schedule of conditions A.1 to L.8 and Appendices.

Dated 2nd day of February 1995.

Signed 
 CHIEF ENVIRONMENTAL HEALTH OFFICER

THE LICENCE HOLDER SHOULD READ CAREFULLY THE NOTES OVERLEAF.

GLYNDWR DISTRICT COUNCIL

WASTE MANAGEMENT LICENCE
Continuation sheet

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Date: 2 February 1995

SECTION A: GENERAL CONSIDERATIONS**A.1. Application Area**

- A.1.1 The area which is the subject of this licence is shown outlined in blue on drawing No. JB/002 of the agreed working plan.
- A.1.2 The deposit of waste shall only take place within the area outlined in red on drawing No. JB/001 of the agreed working plan.

A.2. Waste types and quantities

- A.2.1 The types and maximum quantities of wastes permitted for deposit, within the landfill, shall only be those as shown in Appendix I of this licence.

A.3. Hours of operation - receipt of waste

- A.3.1 Subject to condition No. A.10.1 the site shall only be operated between the hours of 7.30 to 17.30 Mondays to Fridays and 7.30 to 13.00 on Saturdays. No operations shall take place on Sundays or public holidays.

For the purposes of this condition operated means the reception, deposit, movement, loading and removal of waste materials.

A.4 Hours of operation - other

- A.4.1 Only emergency operations, carried out in accordance with the agreed emergency procedures in the working plan, shall be carried out outside the hours permitted by condition No. A.3.1 above.

A.5. Commencement of operations

- A.5.1 No deposit of waste, other than inert waste for construction purposes, shall take place unless the operator has received written confirmation from the WRA that licence condition No. C.1.1 has been complied with.

A.6. Duration of licence

- A.6.1 This licence shall remain in force until a Certificate of Completion is granted under Section 39 of the Environmental Protection Act 1990.

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A.7. Licence modifications

- A.7.1 If at any time the licence holder wishes to apply to the WRA to modify the conditions of this licence a maximum period of 2 months shall be required for determination, unless otherwise agreed in writing with the WRA.

A.8. Manning and management

- A.8.1 At all times when waste is being received the site shall be manned to the levels specified in Section 10 of the working plan.
- A.8.2 The conditions of this licence shall be made known to any person given responsibility for the management or control of the site and to any persons employed in any operational activities on the site.

A.9. Working plan

- A.9.1 Subject to the conditions of this licence the site shall be operated in accordance with the agreed working plan. All references to the working plan in this licence shall mean the working plan agreed in writing by the WRA.
- A.9.2 Details of any proposed amendments to the agreed working plan shall be submitted to the WRA in advance of the proposed date of implementation. No changes in the agreed method of operation shall be implemented until the proposals are agreed, in writing, by the WRA. Should the proposed amendment, in the opinion of the WRA, require the consultation of any other body, a minimum period of 1 month shall be required for determination unless otherwise notified in writing by the WRA.
- A.9.3 No waste shall be deposited at the site at any time except when the site is being operated in full compliance with the conditions of this licence.

A.10. Health and safety considerations

- A.10.1 Waste shall only be moved, deposited or loaded in operational areas where the level of illumination is maintained above a minimum service value of 100 lux measured at ground level.
- A.10.2 The WRA 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. Details of any such incident shall be confirmed in writing within 3 working days.

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A.10.3 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 WRA by telephone and confirmed in writing within 3 working days.

A.10.4 Smoking shall not be permitted within the area outlined in red on drawing No. JB/001 of the working plan.

A.10.5 The licence holder and site management shall consult with the Health and Safety Executive on safety requirements and a copy of any advice, instruction or statutory notice issued by them shall be forwarded to the WRA within 7 days of the receipt of such advice, instruction or statutory instrument.

A.11. Emergency procedures

A.11.1 No deposit of any controlled waste shall occur until an emergency plan giving details of the operational procedures to be followed in an emergency has been agreed in writing by the WRA.

The following emergencies shall be included in the plan:

- (i) fires on site
- (ii) adverse weather conditions

A.12. Maximum duration of storage

A.12.1 Non-conforming waste shall be stored on-site for a maximum of 5 days unless a longer period of storage has been agreed in writing with the WRA.

A.13. Technical competence

A.13.1 The site shall be managed by a technically competent person. A Statement of Qualifying Experience shall be submitted to the WRA and agreed in writing before any waste is deposited at the site.

A.13.2 A list of technically competent persons and the management structure shall be provided to the WRA in writing prior to waste being deposited at the site. The list shall contain the following information:

- (i) Full name of the person
- (ii) Position within the management structure
- (iii) Responsibilities of the person

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- (iv) Business address
- (v) Telephone number
- (vi) Proof of technical competence, where relevant.

Any changes to the management or management structure shall be notified to the WRA within 14 days of the changes.

- A.13.3 If any 'relevant person' is convicted of a 'relevant offence' the licence holder shall notify the WRA within 14 days of the conviction.

A.14. Financial provision

- A.14.1 No waste shall be deposited at the site until the licence holder has agreed, in writing, with the WRA such financial provision as is necessary to ensure compliance with all of the conditions of this licence.

SECTION B - SITE INFRASTRUCTURE

B.1. Access to the site

- B.1.1 Access to the site shall be via the site entrance shown on drawing No. JB/001 of the working plan. *- Mr Jones will slightly change the access - will inform us on the plan*

B.2. Wheel cleaning

- B.2.1 The provision and use of wheelcleaning facilities shall be agreed in writing with the WRA prior to the deposit of waste at the site.

B.3. Site security

- B.3.1 Site security gates shall be located as shown on drawing No. JB/001 of the working plan. The security gates shall be constructed as shown in Appendix A(IV) of the working plan. They shall be securely locked when the site is not in operation.

- B.3.2 Site security bunds shall be constructed at the locations shown on drawing No. JB/001 of the working plan.

- B.3.3 The gates and bunds referred to in conditions B.3.1 and B.3.2 shall be inspected daily when the site is in operation. A written record of all inspections and action taken shall be made in the site diary.

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B.3.4 Defects in the gates and bunds which may permit unauthorised vehicular 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 gates and bunds shall be repaired within 3 working days. A written record of all repairs shall be made in the site diary.

B.4. Notice board and signs

B.4.1 An identification board of durable material and minimum size 1.2 metres x 1.5 metres shall be erected and maintained in a prominent position at the site entrance. The board shall display the following information in Welsh and English:-

- (a) name of the site, site operator and telephone number
- (b) the hours of operation
- (c) the name, address and telephone number of the WRA
- (d) the site licence number
- (e) emergency telephone numbers

It shall also bear the words 'NO UNAUTHORISED TIPPING'.

B.5. Internal roads

B.5.1. The site haul road shall be constructed as shown on drawing No. JB/001 of the working plan. The access road shall be kept in good repair such that any crack or pothole is repaired within 5 working days. A repair shall consist of the crack or pothole being filled with slate waste and compacted to finish flush with the surface. Inspection of the road shall take place on a daily basis and a written record of all inspections and repairs shall be kept available at the site office for inspection by officers of the WRA.

B.5.2 Subsidiary site roads shall be laid to a fall to encourage surface water run-off and shall be constructed by laying slate waste which is free from materials likely to cause damage to vehicles using the site. All potholes shall be repaired within 5 working days of their discovery. Inspection of the roads shall take place on a daily basis and a written record of all inspections and repairs shall be kept available at the site office for inspection by officers of the WRA.

B.6. Fuel tanks and bunding

B.6.1 The fuel storage tank/bowser shall be located as shown on drawing No. JB/001 of the working plan.

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B.6.2 Fuel and oil storage containers and associated pipework shall be situated within a bunded area. The base and bund walls 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.

B.6.3 Inspection of the base and bund walls of all fuel and oil storage facilities shall take place on a daily basis with the results of the inspection being recorded in the site diary. All repairs shall be commenced without delay and, in any event, be completed within 5 working days. Alternative storage agreements shall be made and agreed, in writing, with the WRA, in consultation with the NRA, until such repairs are effected.

B.7. Hardstanding/parking

B.7.1 The staff parking area shall be surfaced with slate waste and located as shown on drawing No. JB/001 of the working plan.

B.7.2 All staff parking areas shall be kept in good repair such that any crack or pothole is repaired within 5 working days. A repair shall consist of the crack or pothole being filled with slate waste to finish flush with the surface. Inspection of the surface shall take place on a daily basis and a written record of all inspections and repairs shall be kept available at the site office for inspection by officers of the WRA.

B.8. Site office

B.8.1 A site control office shall be provided on site at a location agreed in writing with the WRA, in consultation with the District Planning Authority, prior to the deposit of waste at the site.

B.8.2 Telephone facilities shall be provided, and kept available, at the site during operational hours.

B.8.3 A complete copy of the licence, working plan, copies of relevant Waste Management Papers, Codes of Practice and technical documents referred to in this licence, shall be kept in the site office.

B.9. Secure storage for non-conforming wastes

B.9.1 The area for the reception of non-conforming wastes shall be located as shown on drawing No. JB/001 of the working plan. A skip shall be provided for the deposit and temporary storage of non-conforming wastes.

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SECTION C: SITE PREPARATION

C.1. Completion of preparation

- C.1.1 All site preparation works required by conditions B.1 to B.9 shall be completed before waste is deposited at the site.
- C.1.2 No waste shall be deposited at the site until the operator has received written confirmation that the preparation works required by condition No. C.1.1. have been complied with.

SECTION D: WASTE RECEPTION

D.1. Checking in/recording loads

- D.1.1 All waste shall be received in accordance with the procedures listed in section 4 of the working plan.

D.2. Inspection of loads/deposits

- D.2.1 Visual checks of all loads of waste shall be carried out from a suitable location or platform erected for the purpose. Cover sheets or nets shall be removed from the load to enable the checks to be carried out.
- D.2.2 The WRA may require the taking of samples of any waste entering the site and may require the diversion of any load to the non-conforming waste area in order to be satisfied with the results of the analysis of any such samples.

D.3. Procedures for rejected loads

- D.3.1 Any waste which upon arrival at the site is unacceptable within the terms of this licence shall be rejected. The WRA shall be notified immediately of any incident of waste rejection, either by facsimile or by telephone, and confirmed in writing within 3 working days. (The telephone contact numbers for the WRA and NRA are listed in Appendix II.)
- D.3.2 Unacceptable waste which cannot be removed off-site immediately after deposit shall be moved to the area for non-conforming waste before any further waste is deposited and removed to a suitably licensed facility or returned to the producer or previous holder within 5 working days.

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- D.3.3 If waste not conforming to Appendix I of this licence is present on site other than in the area for non-conforming wastes no further waste shall be deposited at the site until the waste has been removed to the area for non-conforming wastes or to a suitably licensed disposal facility. If the waste cannot be removed immediately then the area of deposit on the working face shall be isolated and the WRA contacted immediately by telephone or fax to agree a course of action.

D.4. Weighing and categorising loads

- D.4.1 The net weight of each load of waste arriving at the site shall be recorded using the following conversion factor - 1 cubic metre = 1.3 tonnes.

D.5. Sampling and analysis

- D.5.1 The WRA may require the taking of samples of any waste entering the site and may require the diversion of any load to the non-conforming waste area.

D.6. Handling, segregation and storage

- D.6.1 A skip for the transfer and storage of non-conforming waste, pending its removal, shall be provided at the location shown on Drawing No. JB/001 of the working plan.
- D.6.2 Waste shall be handled and deposited as detailed in Section 6 of the working plan.

SECTION E: SITE OPERATIONS**E.1. Sequence of filling**

- E.1.1 The phasing and direction of waste deposition shall be agreed in writing with the WRA prior to the deposit of waste at the site.

E.2. Plant and machinery

- E.2.1 The level of plant and equipment for the purpose of waste operations and site engineering shall be provided as detailed in Section 6 of the working plan. This level of plant and equipment shall be maintained in accordance with the manufacturer's instructions to ensure effective waste handling.

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E.3. Method of placement

- E.3.1 Waste shall be deposited and emplaced as detailed in the documents referred to in Section 6 of the working plan.
- E.3.2 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.3.3 The depth of a layer of waste shall not exceed 1 metre after initial compaction.
- E.3.4 Before the end of the working day the working face shall be compacted to form a gradient no steeper than 1 in 3.
- E.3.5 No waste shall be deposited into standing or running water.

E.4. Breakdowns, leakages and spills

- E.4.1 Any fuel spillages within the bund referred to in condition No. B.4.2 shall be removed immediately and shall be disposed of to a suitably licensed waste management site.
- E.4.2 Surface water shall be removed from within the bund referred to in condition No. B.6.2 every 28 days and shall be disposed of to a suitably licensed waste management site.
- E.4.3 No contaminated water shall be discharged to a watercourse or surface water drain unless in accordance with a consent to discharge issued by the National Rivers Authority. Any discharge to the foul sewer shall only occur with the written consent of the Water Company, Dwr Cymru Cyf/ Welsh Water PLC. A copy of any such consent shall be submitted to the WRA.

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SECTION F: POLLUTION CONTROL

F.1. Control of other gaseous emissions

- F.1.1 Waste shall not be handled or mixed in such a manner as to give rise to uncontrolled reactions resulting in fire or the emission of noxious fumes, polluting fumes or odours.

F.2. Dust

- F.2.1 All site surfaces used by vehicles depositing waste shall be sprayed with clean water, whenever necessary, to prevent formation of excessive dust in dry weather conditions.

F.3 Mud on roads

- F.3.1 The site haul road shall be kept free of mud, stones, waste or other debris from site operations and shall be swept as often as required.
- F.3.2 The deposit of mud, stones, waste or any debris from the landfill onto the public highway adjoining the site shall be treated as an emergency. Immediate effective action shall be taken to remove such deposits including the use of a mechanical or vacuum type road sweeper as necessary. This material shall not be swept or washed into surface water drainage at the road side or into any other surface water drainage systems.

SECTION G: MONITORING

G.1. Void space

- G.1.1 A record shall be kept of the site levels relative to Ordnance Datum and the remaining volume to be landfilled at the site. This record shall be updated at least once per year. Specific datum points shall be agreed, in writing, with the WRA prior to recording the site levels.

G.2. Landfill gas

- G.2.1 The structure, location and number of gas monitoring boreholes and installation dates shall be agreed with the WRA prior to the deposit of waste at the site.

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SECTION H: SITE COMPLETION**H.1. Finished levels**

- H.1.1 Restored areas of the site used for grazing shall be secured and separated from operational areas by a stockproof fence of minimum height 1 metre. The fencing shall be inspected daily, when the site is in operation, with any defects being repaired before the end of the working day. A written record of all inspections and repairs shall be kept available at the site office for inspection by officers of the WRA.
- H.1.2 The final level of waste deposited at the site shall be as shown on drawing No. JB/003 of the working plan.
- H.1.3 Markers shall be placed in prominent positions, prior to the deposit of the final layer of waste, to indicate the maximum depth of waste to be deposited in the final layer. The markers shall be protected by clearly visible fencing or barriers to prevent their destruction by operations on site.

H.2. Soils placement

- H.2.1 A minimum depth of 300mm of inert subsoil shall be emplaced over the final layer of waste which shall also have a minimum organic matter content of 1% throughout. The subsoil shall be thoroughly ripped to facilitate root growth and shall contain no material likely to impede its cultivation.
- H.2.2 A minimum depth of 300mm of inert topsoil shall be emplaced over the ripped subsoil and it shall have a minimum organic matter content of 3% throughout. The topsoil shall contain no material likely to impede its cultivation and shall be placed in a manner which minimises damage to the soil structure.
- H.2.3 Minimal compaction shall be achieved by handling soils when they are in a dry condition. No emplacement machinery shall traverse the emplaced topsoil and emplacement shall be managed from the surface of the subsoil.
- H.2.4 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.
- H.2.5 For the purpose of conditions H.2.1 and H.2.2 above 'inert' shall be that material which complies with the definition of uncontaminated soil and the parameters specified in Table 1 of Appendix I.

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H.3. Seeding/planting of vegetation

- H.3.1 6 months prior to the completion of tipping at the site a planting/seeding plan shall be submitted to the WRA and agreed in writing.
- H.3.2 The planting/seeding plan shall include details of all species to be planted and shall include the following information as a minimum.
- i) Site plan including gradients, drainage and depths of soil to be emplaced
 - ii) Locations of areas of trees/shrubs to be planted including species, stage of growth to be introduced and projected final heights
 - iii) Area of grassland and use, to include species, method of seeding, rate of application and establishment programme.
- H.3.3 The planting/seeding plan shall include contingency plans for dealing with failure of vegetation and erosion of soils in the first 12 months following initial planting and shall include details of site fencing, plant protection, fertiliser application, vermin/pest control and general monitoring procedures for the planted areas.

H.4. Drainage

- H.4.1 Surface water drainage systems shall be installed at the site to permit the free drainage from the restored areas of any rainfall and to prevent any watercourses from crossing the restored areas of the site. The structure and location of the drainage system shall be agreed with the WRA in writing prior to installation.
- H.4.2 All completed areas of the site shall be graded to a fall to permit drainage of surface water from the restored areas of the site to the surface water drainage system. The gradient of completed areas of the site shall be between 1 in 6 and 1 in 30.

H.5. Aftercare (of soils and vegetation)

- H.5.1 6 months prior to the completion of tipping at the site a post restoration management plan shall be submitted to the WRA and agreed in writing.
- H.5.2 The above plan shall include full details of the soils and vegetation aftercare on the site and shall incorporate cultivation techniques, monitoring of vegetation, time period envisaged for the establishment and also restoration management aims for the site.

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- H.5.3 The plan shall cover the post restoration management of the site until a Certificate of Completion is issued under Section 39 of the Environmental Protection Act 1990.
- H.5.4 All records of the work carried out during the post restoration phase of the landfill shall be made available to officers of the WRA at the main place of business of the operator during working hours.

H.6 Settlement

- H.6.1 Within 6 months of the issue of this licence pre-settlement contours shall be submitted to the WRA. A void take up survey shall be carried out 1 year after the first deposit of waste and in each subsequent year until tipping is completed to the agreed levels. The settlement calculations shall be revised annually to reflect the information collated in the void take up survey and shall be submitted to the WRA for agreement.

SECTION 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
 - (vi) Vehicle registration number
 - (vii) Any disposal related precautions to be taken in handling the waste.
- I.1.2 A written record shall be made of the types and quantities (in tonnes) of waste deposited and rejected in each calendar month referenced to the waste codes identified in Appendix I. This record shall be forwarded to the WRA to arrive within one month of the end of the calendar month to which the record refers. The return shall be made on the standard form provided by the WRA.

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I.2. Site diary

I.2.1 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 WRA 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-conforming waste compound and bunds. A full record of all emergencies on 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 the 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.3. Monitoring results/data

I.3.1 The results of any analysis of waste carried out to check compliance with the conditions of this licence shall be entered into the site diary no more than 30 days after the sample has been taken.

I.4. Visitors book

I.4.1 A visitors book shall be kept on site and shall be signed by all visitors and shall include the following information:-

- (i) Name
- (ii) Company/organisation
- (iii) Reason for visit
- (iv) Time of arrival
- (v) Time of departure

I.5. Waste analysis

I.5.1 The records of all waste analyses shall be forwarded to the WRA within one calendar month of the date of sampling.

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I.7. Waste rejected

I.7.1 The following details shall be included within the written notification of waste rejection referred to in condition No. D.3.1.

- (i) The date and time of the rejection of waste
- (ii) The description of the waste
- (iii) The reason for rejection of the waste
- (iv) The producer or holder's name, address and telephone number
- (v) A photocopy of all accompanying paperwork
- (vi) The carrier's name and carrier registration number
- (vii) The vehicle registration number and driver's name.

I.8. Exports

I.8.1 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 the waste
- (iii) The quantity in tonnes
- (iv) Name of person removing the waste
- (v) Vehicle registration number

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**APPENDIX I TYPES AND QUANTITIES OF WASTE PERMITTED
FOR DEPOSIT**

TOTAL WASTE INPUT

- (1) The total waste input to the site in any one calendar month shall be less than 10,000 tonnes.

- (3) The total waste input to the site within any working day shall not exceed 2,000 tonnes.

Note: For the purposes of this licence 1 m³ = 1.3 tonnes

The following categories of waste only shall be deposited at the site.

Construction and demolition waste which shall be restricted to dry, **inert**, non-leachate forming wastes of the following descriptions:-

Topsoil, Subsoil, Stone, Clay, Sand, Silica, Hardcore, Bricks and Concrete.

The wastes included in this appendix are not permitted if they are mixed or contaminated with hazardous amounts of any noxious, poisonous or polluting substances. The deposit of road scalplings and tarmac is not permitted.

Inert material shall be that which complies with the definition of uncontaminated soil and the parameters specified in Table 1 of this Appendix.

The minimum number of samples to be taken of material which is to be tested for contamination, in order to comply with the above definition, shall equate to a representative sample for every 20 tonnes of waste to be delivered to the landfill site, or at least one representative sample per load delivered to the site.

The waste delivered to the site shall only be tested for contamination where it is suspected, with good cause, that it shall contain higher levels of certain elements than would deem it inert under the above classification.

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APPENDIX I - TABLE 1 SOIL CLASSES**RANGES OF PERMITTED CONCENTRATIONS FOR UNCONTAMINATED SOIL
(mg/kg ON AIR DRIED SOILS, EXCEPT FOR pH)**

PARAMETER/CONTAMINANT	RANGE
pH (ACID)	6 - 7
pH (ALKALI)	7 - 8
	<u>MAXIMUM CONCENTRATION</u>
ANTIMONY	30
ARSENIC	30
CADMIUM	1
CHROMIUM	100
COPPER (AVAILABLE)	100
LEAD (TOTAL)	500
LEAD (AVAILABLE)	200
MERCURY	1
NICKEL (AVAILABLE)	20
ZINC (AVAILABLE)	250
ZINC EQUIVALENT	250
BORON (AVAILABLE)	2
SELENIUM	1
BARIUM	500
BERYLLIUM	5
MANGANESE	500
VANADIUM	100
MAGNESIUM	500
SULPHATE	2,000
SULPHUR (FREE)	100
SULPHIDE	10
CYANIDE (FREE)	1
CYANIDE (TOTAL)	5
FERRICYANIDE	100
THIOCYANATE	10
COAL TAR	500
PHENOLS	1
TOLUENE EXTRACT	5,000
CYCLOHEXANE EXTRACT	2,000
POLYCHLORINATED BIPHENYLS	1
POLYAROMATIC HYDROCARBONS	50
CHLORINATED SOLVENTS	1

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NOTES:

1. ZINC EQUIVALENT - COMBINATION OF COPPER, NICKEL AND ZINC
2. FOR CONTAMINANTS NOT LISTED IT MUST BE ASSUMED THAT THE SOIL IS NOT PERMITTED.
3. AVAILABLE CONCENTRATION OF CONTAMINANT DETERMINED BY STANDARD ADAS METHOD (SOLUBLE IN HOT WATER) [ICRCL GUIDANCE NOTE 59/83, SECOND EDITION)
4. UNLESS SPECIFICALLY STATED OTHERWISE, CONTAMINATION LEVELS ARE FOR TOTAL CONCENTRATION OF CONTAMINANT, EXTRACTABLE BY $\text{HClO}_3/\text{HClO}_4$ (ICRCL GUIDANCE NOTE 59/83 2nd ED.)

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APPENDIX II - DEFINITIONS AND NOTES

The following definitions shall apply throughout this licence:-

Bund:- An embankment of clay, hard-core, bricks, stone, concrete, excavated road materials, subsoil or topsoil in agreement with the Waste Regulation Authority. The bund shall not contain plastics, paper, asbestos, containers or biodegradable material.

'Competent/Technically Competent' Person:- A person trained to understand the conditions of this licence. The person must be capable of identifying the general description of wastes (having regard to the information supplied with the waste material) arriving and deposited at the site and assessing the compatibilities of such wastes with other wastes deposited at the site. The competent person shall know what actions are to be taken to dispose of such wastes and shall be responsible for implementing site emergency procedures.

Drum Container:- Any container in which material is stored, but such containers having storage capacities less than 10 litres or greater than 250 litres shall not be regarded as drum containers for the purposes of this licence.

Emergency:- A sudden event or circumstances needing prompt corrective action to significantly reduce the risk of the following events occurring:

- (i) pollution of the environment
- (ii) harm to human health
- (iii) serious detriment to the amenities of the locality
- (iv) breach of licence conditions

The emergency telephone No. of the Waste Regulation Authority is 0378-170384

Inert material shall be that which complies with the definition of uncontaminated soil and the parameters specified in Table 1 of Appendix I.

NRA:- National Rivers Authority

Relevant:- The following documents shall be 'relevant' for the purposes of licence condition No.B.8.3 :

- Waste Management Paper No.4 - The licensing of waste management facilities.
- Waste Management Paper No.26 - Landfilling wastes
- Waste Management Paper No.27 - Landfill gas

WRA:- Waste Regulation Authority

