

Delyn Borough Council



COPY FOR INFORMATION

CONTROL OF POLLUTION ACT 1974

WASTE DISPOSAL LICENCE

THE DELYN BOROUGH WASTE REGULATION AUTHORITY HEREBY GRANT a Waste Disposal Licence, pursuant to an application dated 19 March 1993, in respect of the following:

Full name and address of licence holder	Mr. E. Stephens, The Bungalow, Pentre Coch, Ruthin, Clwyd.
Full name and address of local representative (if any) of licence holder	Colin K. Drake & Co., 37 Russell Road, Rhyl, Clwyd. LL18 3DB
Location of the site to which this licence relates	Landfill at Maen Farm, Nercwys, Mold, Clwyd. Grid Ref: 244615
Form of deposit or disposal to which this licence relates	Inert wastes as defined by conditions within this licence.

This licence is granted subject to the following attached conditions:-

Dated 21st January

1994

(Signed)

Head of Environmental Health Services

THE LICENCE HOLDER SHOULD READ CAREFULLY THE NOTES OVERLEAF.

Environmental Health Services Department, Delyn House, Chapel Street, Flint, Clwyd CH6 5BD. Phone No. (0352) 762345

Notes:

These notes are for general guidance and they do not constitute authoritative statement of the law.

Further details of licensing provisions, offences, appeals etc., can be found in the Control of Pollution Act 1974.

Definitions of certain words used in this licence are to be found in the latter part of this licence.

This licence relates only to the requirements of the Control of Pollution Act 1974 for the deposit of waste and the use of plant or equipment subject to the conditions set out in the Schedules and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc. Act 1974, the Radioactive Substances Act 1960, the Town and Country Planning Act, and all relevant water protection and environmental health legislation.

If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the Waste Disposal Authority who has the right to decline to accept the new licence holder.

If the licence holder wishes to cancel this licence, he must return it to the Waste Disposal Authority together with a notice stating he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Section 3, 9 and 16 of the Control of Pollution Act, 1974.

Section 3 - Prohibits under penalty the deposit of waste, or the use of plant or equipment, otherwise than in accordance with the terms of the licence. This Section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

Any deposit which takes place without compliance with all the licence conditions may lead to prosecution under this Section. A person who contravenes Section 3 subsection (1) shall, subject to subsection (4) be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £2,000 (at the date of issue of this licence), or on conviction on indictment to imprisonment for a term not exceeding two years or a fine or both.

Section 9 - Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16 - The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with, or the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.

1. General Conditions and Types of Waste Permitted by this Licence

1.1 The statement of intended methods of operation and drawings contained within the document entitled "Proposed Extension to Landfill Site, Waen Farm, Nercwys Road, Mold, Statement of Intent" submitted by Colin K. Drake and Company and dated 24th June 1993 as part of the application for this Licence shall be referred to as the working plan and shall form part of this Licence.

1.2 This Licence shall relate to the area of land edged round in red on Drawing No. DRG 1392/3 of the working plan and this area will be henceforth called "the site". No deposit of waste shall take place outside the area of land edged round in red on Drawing No. DRG 1392/3 of the working plan.

(a) Prior to any operations taking place under the terms of this Licence the working plan shall have been agreed in writing by the Waste Regulation Authority (hereinafter referred to as W.R.A. throughout these conditions). The Licence holder shall obtain written acceptance from the W.R.A. for any proposed changes to the working plan before any such change is implemented.

(b) Any reference in this Licence to the working plan shall include a reference to any amendment to the statement or the drawings which have been accepted in writing by the W.R.A. as appropriate.

(c) Subject to the terms of this Licence, the site shall be operated in accordance with the working plan.

(d) Acceptance by the Authority of the Working Plan shall not relieve the Licence holder of its responsibility to ensure that any or all of the following do not occur:

- (1) pollution to the environment;
- (1.1) harm to human health;
- (1.1.1) serious detriment to the amenities.

1.3 All constructional details included in the working plan and/or included in the conditions of this Licence shall, unless otherwise stated, be undertaken and completed within three months of the date of issue of this Licence. All other requirements shall commence upon receipt of these conditions and prior to the deposit of any waste on site.

1.4 The site shall be operated only between the hours of 07.45 and 17.30 on Mondays to Fridays and 07.45 and 12.20 on Saturdays. Except in circumstances of emergency, no deposit of waste or other operations shall take place outside these hours or on Sundays, Good Friday, Christmas Day, Bank Holidays or other public holidays. All circumstances of emergency shall be reported forthwith in writing to the W.R.A. The above specified periods during which the site is permitted to operate shall be termed the "working day" for the purpose of this Licence.

(a) No waste shall be deposited at the site during the hours covered by official lighting up times, as published by the Science and Engineering Research Council unless lighting has been provided on site to a specification agreed upon in writing with the W.R.A.

1.5 The types of waste permitted for deposit shall be as follows:-

- (a) Hardcore, brickwork, stone, set concrete, clay and sand.
- (b) Uncontaminated topsoil, subsoil and excavated materials.
- (c) Any type of waste other than those listed within this condition may only be accepted on site with the prior written approval from the W.R.A.

1.6 These wastes shall not contain any hazardous quantity or concentration of poisonous, noxious or polluting substance.

- (a) No waste liquids or sludges shall be deposited at the site.
- (b) No biodegradable and or putrescible wastes shall be deposited at the site.

- (c) No bituminous material may be deposited except for the purpose of road construction in accordance with Condition 3.13.

- (d) No Special Waste as controlled by Section 17 of the Control of Pollution Act 1974 and Regulations made thereunder shall be deposited at the site.

- (e) No drummed waste or empty drums shall be deposited at the site.

1.7 The total quantity of waste accepted daily shall not exceed 150 tonnes, the operational capability of the facilities available on site. If the total quantity of waste accepted daily exceeds the operational capability of the facilities on site, the W.R.A. may:

- (a) Apply conditions limiting the quantity of waste accepted daily until such time that adequate additional facilities have been provided and agreed upon by the W.R.A.;

- (b) Require the operator to provide additional facilities to ensure that waste is properly deposited and adequately covered.

2. Working Plan, Phasing, Site Preparation and Restoration

2.1 Details of any proposed amendments to the working plan requiring agreement by the W.R.A. by virtue of condition 1.2 (a) of this licence shall be submitted to the W.R.A. along with the proposed date of implementation at least one month before the proposed date of such implementation.

2.2 The phasing and direction of waste deposit shall be carried out as specified in the working plan.

2.3 The restoration and progressive restoration of the site shall be carried out as specified in the Working Plan.

3. Site Control and Site Roads

3.1 A site identification board of minimum size 1m x 1m, of durable material and finish shall be prominently displayed at the site entrance gate. It shall display the site name, licence number, hours of operation, name, address and telephone number of the site operator and W.R.A., and the name and telephone number of the person(s) to be contacted in the event of an emergency. The board shall also display

3.2 The site shall be manned and supervised at all times for the deposit of waste during operating hours as detailed in the working plan.

3.3 The terms of this licence and working plan shall be made known to all persons manning the site and a copy of this site licence and working plan shall be available for inspection at the Site Office, Old Railway Line at Waen Farm, Nercwys.

3.4 A site diary shall be kept at the Site Office, Old Railway Line at Waen Farm, Nercwys. The diary shall have the following duly recorded information:- dates and details of fires, site inspection, monitoring results, etc., and any other information as required by conditions within this licence.

3.5 All wastes shall be visually inspected immediately on or before deposition on site, to ensure that they conform with the requirements of condition 1.5 to 1.6 of this licence, and are not in contravention of condition 1.7. Wastes which do not conform with the said condition shall be rejected as being unsuitable for disposal at the site and removed from the site immediately.

(a) A record shall be kept in the site diary of any waste rejected as being unsuitable for disposal at the site and the vehicle type, colour, registration, company name, driver name and the time and date of the occurrence.

3.6 A written record shall be kept of the types and quantities of waste deposited, the time and date, the name of the person and/or the company delivering the waste and the registration number of every vehicle bringing such waste to the site. This written record shall be kept at the Site Office, Old Railway Line at Waen Farm, Nercwys and be made available for inspection by any duly authorised officer of the W.R.A. upon demand.

(a) A true summary of this information shall be forwarded to the W.R.A. at one monthly intervals commencing from the date of issue of this licence until the site ceases to accept waste.

Storage Tanks

3.7 Liquids used for the operation and maintenance of site equipment shall be stored only in tanks or drums which are banded to contain spillages. The bund and its base must be of type and construction as to provide an impermeable barrier, capable of impounding 110% of the capacity of the largest tank or drum. The tanks and/or drums shall be of a type and construction suitable for the liquids they contain, labelled to show their contents, and conform to all relevant safety standards. Any mislabeling labels shall be removed. All fill and drain pipes and valves shall be within the curtilage of the impermeable bund.

3.8 If leakage is found to be occurring, the tank or drum shall be repaired immediately and replaced within 7 working days. All spillages are to be removed within 3 working days after the repair or replacement of the drum or tank, and taken to an appropriately licensed facility, accompanied by any relevant documentation in compliance with Section 17 of the Control of Pollution Act 1974.

- (a) All spillages shall be recorded in the site diary.
- (b) The 110% capacity of the bund shall be maintained at all times. Rain water shall be removed as required to ensure that the 110% capacity referred to in condition 3.7 is maintained.

Fencing and Gates

- 3.9 A lockable gate shall be provided as detailed in the working plan.
- 3.10 A stockproof fence of a minimum of 4 feet high shall be provided to a standard agreed to in writing with the W.R.A. prior to any wastes being deposited. Gates will be locked and made secure outside the working day and in any case while the site is unmanned.
- 3.11 All site fences and gates shall be inspected at intervals of not more than 7 working days. Any damage which impairs their effectiveness found during the course of these inspections or at any other time shall be repaired within 2 working days and recorded in the site diary.

Site Access and Roads

- 3.12 A primary site access road from the public highway to the site shall be provided as detailed in the working plan.
- 3.13 The primary site access road required by condition 3.12 shall be constructed by the laying of 0.25 metre of compacted hard-core, together with a top covering of 0.1 metre of smooth, clean, bituminous tarmacadam or 0.1 metre of concrete. It shall be constructed to a fall in such a manner to facilitate surface water run-off.
- 3.14 The primary site access road as required by condition 3.12 shall be maintained in good repair. Any cracks, erosion or pot-holes shall be repaired within 7 working days. All such repairs shall be carried out in accordance with the requirements of condition 3.13.
- 3.15 Wheel cleaning facilities shall be provided and maintained as detailed in the working plan.
- 3.16 All vehicles leaving the site shall use the wheel cleaning facilities as site conditions dictate.
- 3.17 The primary site access road shall be kept free of mud, stones, wastes or any other debris from the site or deposited by vehicles coming to the site.
- 3.18 The deposit of any of the aforementioned material from the site onto the public highway adjoining the site arising from its operation for waste disposal purposes shall be treated as an emergency. Immediate, effective action shall be taken to remove such deposits including the use of a mechanical road sweeper where necessary.
- 3.19 Subsidiary site roads shall be provided as detailed in the working plan. They shall be constructed by laying compacted hard-core or rubble of a maximum size 150 mm, to a height of a minimum of 0.3 metres above the surface of the ground they traverse except where the road cuts through bunds or slopes.

3.20 All subsidiary site roads shall be laid to a fall to encourage surface water run off and be maintained free from pot-holes and erosion. Any required repairs shall be filled with hard-core or rubble, compacted, and in compliance with condition 3.19 within 7 working days of their discovery.

3.21 Both primary and subsidiary site roads shall, as often as necessary be sprayed with water to prevent any dust nuisance occurring.

4. Site Operations

4.1 No material shall be burnt within the boundaries of the site. An outbreak of a fire on the site shall be regarded as an emergency and immediate action shall be taken to extinguish it. In the event of a fire at the site, suitable earthmoving equipment and an operator shall be made available to facilitate the control of the fire under direction of the Fire Service. All outbreaks of fire shall be notified forthwith to the Fire Service and the W.R.A. and duly recorded in the site diary.

4.2 Wastes shall be deposited and compacted as detailed in the working plan.

4.3 Working faces and flanks shall be compacted to form gradients no steeper than 1 in 3.

4.4 Each layer of waste shall be laid to a fall to encourage surface water run-off.

4.5 No waste shall be deposited into any water.

4.6 Not less frequently than once a week any loose waste which may be lying on the site shall be gathered and disposed of in such a manner as to maintain the site in a tidy condition.

4.7 The site operator shall inspect the site at least once in each week for infestation by insects and/or vermin. De-infestation measures shall be applied as necessary. Records of dates of inspection, disinfection measures applied and notification to the local Authority under Section 3 of the Prevention of Damage by Pests Act 1949 are to be kept in the site diary.

4.8 Waste, once deposited, shall not be excavated on the site without prior written permission of the W.R.A. except for the purpose of installing gas monitoring boreholes and leachate monitoring wells as detailed in the working plan.

5. Surface Water Drainage and Leachate Control

5.1 The 12" land drain on the bed of the former Railway line shall be examined and put in good order to ensure an unobstructed flow of surface water is available along the complete length of the site. The drainage system shall be maintained in good working order.

5.2 On the completion of each phase a perimeter drain shall be progressively constructed. The perimeter drainage for each phase shall be installed upon completion of each phase as a requirement of progressive restoration. Prior to the deposit of any waste, a written method statement describing the construction, location and maintenance of the perimeter drain, shall be submitted to the W.R.A. to a specification agreed upon in writing with the W.R.A.

- 5.3 The perimeter drain required by condition 5.1 shall be maintained in good working order at all times. The drain shall be inspected not less frequently than once each week and any debris or blockage shall be removed upon detection.
- 5.4 Surface water drainage from higher areas within the site boundary shall be diverted away from the working face and/or away from contact with any contaminating substance and into area 1 indicated in Drawing No. 5A of the working plan.
- Leachate Control
- 5.5 All leachate monitoring wells shall be constructed and located as detailed in the working plan.
- 5.6 Any leachate collected in the leachate monitoring well shall be pumped to a suitable receptacle for disposal at an appropriately licensed disposal facility.
- 5.7 No leachate will be discharged into any surface drainage system that will allow the leachate to leave the boundary of the site without the prior consent of the National Rivers Authority.
- 5.8 Investigation to Assess Migration Pathways
- Within 3 months of issue of this licence, an investigation of:
1. the geological, hydrological and hydrogeological characteristics of the area of the site and
 2. the location of services and of buildings within 250 metres of the boundary of the site
- shall be carried out in order to predict migration pathways for leachate.
- 5.9 The method employed to carry out the investigation and the results of the investigation shall be recorded in the form of a written report within six months of issue of this licence.
- 5.10 A copy of the written report required by 5.9 above shall be submitted in writing to the W.R.A. within eight months of issue of this licence.
- 5.11 Within 12 months of issue of this licence a leachate migration risk assessment report shall be submitted in writing to the W.R.A. based upon the results of the investigation to assess migration pathways undertaken in accordance with 5.8 above.
- The said report shall include inter alia:
- (1) the means by which monitoring to detect the migration of leachate shall be undertaken
 - (1i) a proposed emergency plan if it is found that any said migration is occurring,
 - (1ii) details of proposed remedial action incorporating where appropriate proposed remedial engineering works necessary to prevent further migration of the leachate and reduce the effect of the migration which has already occurred.
- 5.12 Within 12 months of issue of this licence a sampling programme for the monitoring of leachate shall be submitted in writing to the W.R.A. to be incorporated into the Working Plan.

The programme shall include inter alia:

- (i) Details of the quality assurance plan for the sampling programme.
- (ii) The quality control procedures to be used to ensure that the samples which are taken and the results of any subsequent analysis and or characterisation are representative.
- (iii) The methods used for sampling, analysis and characterisation of the leachate.
- (iv) Details of the equipment to be used for the sampling.
- (v) The name of the proposed accredited laboratory which is to be used for the analysis and characterisation and analytical works.
- (vi) The method of construction of the monitoring points.
- (vii) The number and location of the monitoring points.
- (viii) The frequency of sampling, analysis and characterisation.
- (ix) Servicing, maintenance and repair schedules for the monitoring points and any equipment used in taking samples of leachate.

The minimum frequency of the sampling, analysis and characterisation of leachate for specific determinands shall be in accordance with the following table (Table 1).

TABLE 1

PARAMETER	UNITS	FREQUENCY OF SAMPLING AND ANALYSIS PER SAMPLING POINT
Conductivity	us/cm	Quarterly
pH Value	mg/l	Quarterly
COD (Chemical Oxygen Demand)	mg/l	Quarterly
Ammoniacal Nitrogen	mg/l	Quarterly
Chloride	mg/l	Quarterly
Sulphate	mg/l	Quarterly
Potassium	mg/l	bi-annually
Chromium	mg/l	bi-annually
Iron	mg/l	bi-annually
Nickel	mg/l	bi-annually
Copper	mg/l	bi-annually
Zinc	mg/l	bi-annually
Lead	mg/l	bi-annually
Cadmium	mg/l	bi-annually

NOTE:

The above frequency of sampling and analysis per monitoring point shall be carried out by the licence holder in accordance with the permitted methods for analysis as detailed in appropriate "Blue Books".

- 6.0 Landfill Gas Control
- 6.1 Gas monitoring boreholes and passive vents shall be constructed and maintained as detailed in the working plan.
- 6.2 The gas control system shall consist of a series of passive vents in the locations indicated on Drawing No. 1392/1 of the Working Plan. These will comprise of internal vents which will be progressively constructed as levels are raised and will be taken through the top of the finished land form. The passive vents shall be constructed to the standard specified in Drawing No. 4 of the Working Plan.
- 6.3 The passive vents shall be constructed using clean, coarse, uncompacted aggregate material which contains no fines or other extraneous material so that clean passage is provided for gas in the landfill to escape to the atmosphere. The vent pipes used in the control system shall consist of 100 mm twin wall slotted/perforated polypropylene and the gas monitoring well shall be constructed in accordance with Drawing No. 4. The surface vents shall be protected by a suitable security cover to prevent the ingress of water into the fill and to prevent vandalism.
- 6.4 Gas monitoring boreholes/vents shall be installed in the locations indicated on Drawing No. 5A. The specification of the boreholes to be installed including their depths, diameter, construction material, and type and number of detectors shall be as detailed in the Working Plan.
- 6.5 Investigation to Assess Migration Pathways
- Within 3 months of issue of this licence, an investigation of:
1. the geological, hydrological and hydrogeological characteristics of the area of the site and
 2. the location of services and of buildings within 250 metres of the boundary of the site
- shall be carried out in order to predict migration pathways for landfill gas.
- 6.6 The method employed to carry out the investigation and the results of the investigation shall be recorded in the form of a written report within six months of issue of this licence.
- 6.7 A copy of the written report required by 6.6 above shall be submitted in writing to the W.R.A. within eight months of issue of this licence.
- 6.8 Within 6 months of issue of this licence a landfill gas risk assessment report shall be submitted in writing to the W.R.A. based upon the results of the investigation to assess migration pathways undertaken in accordance with 6.5 above.

The said risk assessment report shall include inter alia:

- (i) the means by which monitoring to detect the migration of landfill gas shall be undertaken
- (ii) a proposed emergency plan if it is found that any said migration is occurring,
- (iii) any necessary evacuation procedures and
- (iv) details of proposed remedial action incorporating where appropriate proposed remedial engineering works necessary to prevent further migration of the landfill gas and reduce the effect of the migration which has already occurred.

6.9

Within 12 months of this licence a sampling programme more particularly mentioned in Waste Management Paper Number 26A and Waste Management Paper Number 27, for the monitoring of landfill gas shall be submitted in writing to the W.R.A. to be incorporated into the Working Plan.

The programme shall include inter alia:-

- (i) Details of the quality assurance plan for the sampling programme.
 - (ii) The quality control procedures to be used to ensure that the samples which are taken and the results of any subsequent analysis and or characterisation are representative.
 - (iii) The methods used for sampling, analysis and characterisation of the landfill gas.
 - (iv) Details of the equipment to be used for the sampling.
 - (v) The name of the proposed accredited laboratory which is to be used for the analysis and characterisation and analytical works.
 - (vi) The method of construction of the monitoring points.
 - (vii) The number and location of the monitoring points.
 - (viii) The frequency of sampling, analysis and characterisation.
 - (ix) Servicing, maintenance and repair schedules for the monitoring points and any equipment used in taking samples of landfill gas.
- The minimum frequency of the sampling, analysis and characterisation of landfill gas shall be in accordance with the following tables:

TABLE 3

PARAMETER	UNITS	FREQUENCY OF SAMPLING AND ANALYSIS
Methane Carbon Dioxide Oxygen	% V/V or IEL % V/V % V/V	bi-monthly bi-monthly bi-monthly

TABLE 4

PARAMETER	UNITS	FREQUENCY OF SAMPLING AND ANALYSIS
Methane Carbon Dioxide Oxygen	% V/V or IEL % V/V % V/V	Annually Annually Annually

% V/V - is the percentage volume per volume of the specified gas found in air.
LEL - is the percentage of the volume of gas with respect to its lower explosive limit.

6.10 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.

6.11 Monitoring carried out by the use of gas monitoring equipment shall be supplemented by taking a minimum of three gas samples for Gas chromatograph analysis to determine the concentrations of methane, carbon dioxide, oxygen and nitrogen. The frequency of this monitoring shall be once per annum.

6.12 The gas control system shall be inspected not less frequently than once in each week, and any damage, or extraneous material including litter or debris, likely to impair its effectiveness shall be rectified immediately. If this cannot be achieved then the Waste Regulation Authority shall be informed immediately, and any instruction of that Authority for additional gas control and/or monitoring measures shall be implemented immediately.

6.13 If at any time gas levels greater than 1% flammable gas or trigger level 1.5% carbon dioxide above background levels, by volume in air, are detected in any sub-surface monitoring point situated outside the area of waste deposit, then the gas control system shall be deemed to be inadequate. The W.R.A. shall be informed before the end of the following working day, and this information shall also be confirmed in writing within seven days.

6.14 If the gas control system is deemed to be inadequate by virtue of condition 6.13 of this licence, suitable improvement or additional measures shall be designed and implemented at the earliest practicable time, so as to ensure that gas levels in all sub-surface monitoring points outside the area of waste deposit do not exceed 1% flammable gas or 1.5% carbon dioxide volume in air. The frequency and scope of the gas monitoring programme shall be increased in consultation with the W.R.A. until such time that the new system has been proved to be adequate.

7. Conditions Relating to Badger Sets

7.1 All active badger sets shall be fenced off from the landfilling operations with post and wire fencing to British Standard BS 1722 Part 3. The fences should be a minimum of 12 metres from the set entrances unless otherwise agreed with the W.R.A. The fence shall be at least 1 m high and the top of the posts marked with high visibility tape or paint. The fencing shall be inspected weekly and damage repaired within 2 working days.

7.2 No waste shall be deposited over any active badger sets.

7.3 No waste shall be deposited within 15 m of any active badger sets.

- 8.4 No plant, machinery, or vehicles shall be allowed to run over, or encroach within 15 m of any badger sett.
- 8.5 Any waste material, tins, hollow vessels, paper, other loose debris, or windblown material which encroaches within 15 m of the badger setts, or collects against the fencing shall be removed weekly.
- 8.6 No waste shall be deposited within 30 m of the badger setts during the months of January to March inclusive. No waste shall be deposited within 20 m of the badger setts during the months of April to June inclusive.
8. Definitions
- 8.1 Waste Regulation Authority (W.R.A.) shall mean Delyn Borough Council, Delyn House, Chapel Street, Flint, Clwyd. Tel. 0352 762345 (out of normal working hours 0352 762255).
- 8.2 Duly Authorised Officer shall mean any person authorised in writing by the W.R.A. pursuant to Section 91(1) of the Control of Pollution Act 1974.
- 8.3 Licence Holder shall mean the person or persons to whom this licence is granted.
- 8.4 Biodegradable shall mean material which may be broken down by the action of micro-organisms.
- 8.5 The Act shall mean the Control of Pollution Act 1974 and as amended.
- 8.6 Environmental Hazard shall have the meaning contained in Section 4(5) of the Control of Pollution Act 1974.
- 8.7 Bund shall mean an embankment of clay, hard-core, bricks, stone, concrete, excavated road materials, subsoil or topsoil, but shall not contain plastics, paper, materials containing asbestos, or containers, unless otherwise specified by conditions within this licence.
- 8.8 Operating shall mean the deposit of waste or acceptance of waste for deposit and all matters incidental thereto.
- 8.9 Site Diary shall mean a daily record of all site operations as required and specified in these conditions.
- 8.10 Leachate shall mean liquid which seeps through the landfill and by doing so extracts substances from the deposited waste.
- 8.11 Lower Explosive Limit shall mean the lowest percentage concentration by volume of a mixture of a flammable gas with air which will propagate a flame at 25 C and atmospheric pressure.
- 8.12 Drum Container shall mean any container in which material is stored, but such containers having storage capacities less than 10 litres or alternatively greater than 250 litres shall not be regarded as drum containers for the purposes of this licence.
- 8.13 Operational Capability. The quantity of waste handled daily at the site which can be landfilled to the standards required by this licence using the plant, manpower and other facilities available on site.

8.14 "Blue Book". Laboratory handbook for analysis methods (H.M.S.O.
DOE/National Water Council).

Proposed Extension to Landfill Site, Waen Farm, Nercwys Road, Mold.

Statement of Intent

Part 1 - Site Preparation

It is proposed to continue the filling and reclamation of the old railway line at Waen Farm, Nercwys as indicated on the Plans Numbered 1392/1/2/3/4. The capacity of the proposed extension is approximately 27000 cubic metres to fill and it is estimated that this will give a useful life of 2 years.

The existing site access road will be extended as the filling proceeds by using waste highway hardcore material as a base, and cover with Macadam Scarified from highway works or highway planing operations.

The existing road frontage to the site is protected by a 2.4 metre high fence covered completely with plywood sheets fixed to wooden posts. Access to the site is by means of metal gates covered with plywood sheeting. The fencing along the tip is chain link. Fencing 1.5 metres high separating the tip from privately owned fields to which the public have no access. There is no access to the public from the main highway. The existing site control office is situated adjoining the entrance in a position which will give adequate site of the incoming vehicles.

Also situated in a suitable position near the exit to the site is a wheel washer/vibrator through which all vehicles leaving the site will have to pass to ensure no mud will be carried off the site onto the public highway. A mechanical tractor with brushing equipment is available full time to assist in maintaining cleanliness of the roads.

Part 2 - Site Supervision

At the entrance to the site a Notice will be fixed instructing drivers as to the procedure to be followed on entering the site. Throughout the period that the tip is open,

Mon-Fri	Sat	Sun
Starting Time	7.30 a.m.	Closed
Finishing Time	5.00 p.m.	Closed

The site control office will be occupied during the time the tip is open to deal with the incoming loads and to direct drivers as follows:-

Upon entering the site, driver will be requested to produce a Waste Transfer note showing the nature of waste material, collection point, time and date and authority and vehicle registration number. These details will be recorded on a daily register kept within the office. When the vehicle leaves the site after depositing the load the driver will report to the office when a Waste Transfer Clearance Note will be issued to the driver.

In the event of a driver coming on site without a Transfer Note his name, address and vehicle registration number together with time and date will be recorded and will be reported to the relevant Authority. In the event of a vehicle entering the site during operational times with difficulty or special waste the driver's name, address, registration number, date and time will be recorded recorded immediately to the Pollution Control Officer.

A machine operator will be available at the tip face to direct the tipping operations at the actual face.

Part 3 - Equipment/Operations

It is expected that the maximum quantity of waste to be delivered daily would be 600 tons.

The type of waste to be dealt with inert wastes comprising of topsoil, subsoil, hardcore, brickwork stones, set concrete, clay, sand and silica (excluding finely powdered waste) glass, solid or granular dry materials free of noxious, poisonous or polluting substances which do not compose or for which the environmental impact of decomposition is less than or compatible with that of top soil and is virtually insoluble in water.

We would also be prepared to receive hardcore and scarified macadam from highway works, and receive macadam from highway planning operations. This latter material would be stored separately and used for the construction of the site access road.

The plant and machinery permanently on site will comprise of 1 No. excavator 2 cubic metre bucket and one 360 degree excavator on tracks, backhoe with various size buckets. Six 14 cubic yard metal skips sited empty at any one time. One for rejected or unsuitable waste with net cover pending delivery to the appropriate licensed land fill site. One skip for metal rejects.

In the unlikely event of an oil spillage the area will be dried by absorption material and the whole lifted and removed from the site.

In the event of waste material being brought onto the site which is not permitted by the licence then such material will be placed to one side and the Pollution Control Officer will be informed in order that arrangements can be made for satisfactory removal and disposal.

Part 4 -- Environmental Protection

Vehicles entering the site will have been restricted in load height at the loading point.
Before leaving drivers will be required to ensure that there is no loose material likely to fall from the vehicle and wheels will be washed.

Should vehicles be carrying fine material then they will be required to be sheeted.
The tip face will be a distance away from the public highway and therefore there should not be a dust problem in this location. Should, however, in extreme hot conditions there be any problem with dust then water spray will be applied to the surface to lay the dust.

There will be no storage of fuel on the site apart from within vehicle tanks. Fuel will be delivered by bowser as and when required.

Part 5 - Specific Items

The filling on the site will be phased as follows:-
Tipping will proceed in call sizes of approximately 100 metre lengths over the full width of the site in 2 metre deep layers, as shown on the Cross Section on drawings 1392/1. The site will be open throughout the year and each phase would last for about 3 months. The maximum depth of fill to raise the ground to existing level is 7.5 metres reducing to below 1 metre at the toe of the site.

Drainage

The existing railway drainage system runs through the site and this will be repaired and maintained during the working. There are other land drains passing through the site.
A French drain will be formed along the length of the entire boundary of the site to cut off storm water running from adjacent fields. As shown on drawings French drain will connect to original railway drainage.

Monitoring

Gas and leachate monitoring points will be constructed as shown on drainage drawing 1392/1.

Gas and leachate monitoring will be carried out by Geochem of Queensferry. 7 emergency telephone numbers will be displayed on the hoarding to the front of the tip to ensure 24 hour cover for 365 days of the year.
Procedures will be set down for action in respect of possible fire, when the Fire Service will be called. In the event of unauthorised tipping the Pollution Control Officer will be informed. Illegal entry and trespass and scavenging the Police will be called.
On completion the land will be graded and seeded for grazing purposes.

Constructional details of a
Gas Monitoring Well inside
landfill area.

Drawing No. 4

Maen Farm, Nercwys
Waste Disposal Licence

