



CONTROL OF POLLUTION ACT 1974

**DISPOSAL LICENCE FOR A
WASTE TREATMENT PLANT**

LICENCE No. WD078

LICENCEE:- WELSH WATER INDUSTRIAL SERVICES

SITE:- MERLINS BRIDGE, HAVERFORDWEST.



CYNGOR DOSBARTH
PRESELI
SIR BENFRO
PRESELI
PEMBROKESHIRE
DISTRICT COUNCIL

Your Ref
My Ref
Please ask for
Extension
Date
RGS/JET/MISC
Mr R G Spate
203
18 November 1994

Welsh Water Industrial Services
Plas y Ffynnon
Cambrian Way
Brecon
DO3 7HP

Dear Sirs

WASTE DISPOSAL LICENCE - INDUSTRIAL WASTE TREATMENT PLAN

I enclose for your attention the Waste Disposal Licence issued to Welsh Industrial Services so as to permit the operation of an industrial waste liquid treatment plan on land at Merlins Bridge, Haverfordwest. The licence shall include this letter together with all of the schedules, drawings, statements and letters hereto attached.

Having regard to Condition No. 8 of Schedule B which relates to the provision for the parking, loading and unloading of vehicles. I agree that a period of three months be allowed in which Welsh Water Industrial Services may carry out trials to assess the requirements in respect of works necessary to prevent nuisance and pollution which may be caused by the loading and unloading of road tanker vehicles. During the trial period road tankers may be used to discharge permitted wastes to the facility in accordance with Schedule C of the licence. At the end of the trial period detailed designs in respect of drainage and parking or vehicle standing areas to be provided for load tankers using the facility, shall be furnished to the Waste Regulation Authority for agreement.

.../...

ALAN E. SCOTT B.Sc., M.I.E.H., Director of Housing & Environmental Health/Cyfarwyddwr Tai a Iechyd yr Amgylchedd

Cambria House, P.O. Box 27, Haverfordwest, Pembrokeshire, SA61 1TP. Telephone: Haverfordwest (01437) 764551 Fax: (01437) 760703

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(2)

Having regard to Condition No. 28 of Schedule D, I agree that:-

In respect of wastes brought to the facility by road tanker every load should be sampled and one sample in every twenty loads shall be analysed for those parameters listed in Condition 31 of Schedule D.

In respect of the wastes arising from the Unigate factory a flow average composite sample taken over a 24 hour period shall be taken once in each calendar month and analysed for the following determinands - chemical oxygen demand (COD), solids in suspension (SS), and pH.

You are reminded that although this licence is issued under The Control of Pollution Act 1974 upon the day following the date of issue, the licence will become a 'Waste Management Licence and subject to The Environmental Protection Act 1990 and the attendant Regulations.

Yours faithfully



A E Scott

Director of Housing & Environmental Health

CONTROL OF POLLUTION ACT 1974

DISPOSAL LICENCE FOR A

WASTE TREATMENT PLANT

LICENCE NO. WDO78

The Preseli Pembrokeshire District Council in pursuance of the powers conferred on them by the Control of Pollution Act 1974, hereby licence:

WELSH WATER INDUSTRIAL SERVICES

of Plas y Ffynnon, Cambrian Way, Brecon, LD3 7HP
(hereinafter called the "licence holder")

to
operate a treatment plant for the treating of industrial waste
liquids

on land at Merlins Bridge, Haverfordwest

This licence is granted subject to the conditions set out in the
schedules attached hereto.

Dated this 21st day of Nov. 1981

Signed

(Authorised Officer)

The licence holder's attention is drawn to the notes overleaf

NOTES

THESE NOTES ARE FOR GENERAL GUIDANCE ONLY AND DO NOT CONSTITUTE AN
AUTHORITATIVE STATEMENT OF THE LAW

1. 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 other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the HEALTH AND SAFETY AT WORK ACT 1974, the RADIOACTIVE SUBSTANCES ACT 1960, the TOWN AND COUNTRY PLANNING ACTS, BUILDING REGULATIONS and ALL RELEVANT WATER PROTECTION and ENVIRONMENTAL HEALTH legislation.
2. 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.
3. If the licence holder wishes to cancel this licence he must return it to the Waste Regulation Authority together with a notice stating that 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 9 of the Control of Pollution Act 1974 and Sections 33 and 59 of The Environmental Protection Act 1990.

EPA 90 Section 33

Prohibits under penalty the deposits 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 an 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.

COPA 74 Section 9

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

EPA 90 Section 59

The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions of this licence are not being complied with.

EPA 90 Penalties under Section 33

A person who contravenes Section 3 sub section (1) shall, subject to subsection (4), be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £20,000 and/or to imprisonment for a term not exceeding six months or a fine or both or on conviction on indictment to a fine and or a term of imprisonment not exceeding two years.

An increased penalty may be given where a person contravenes Section 3(1) and the waste in question is poisonous, noxious and polluting, is likely to give rise to an environmental hazard, and has been brought for the purpose of being disposed of. Under such circumstances the person would be liable on summary conviction to imprisonment for a term not exceeding two years and/or a fine not exceeding £20,000 or on conviction on indictment to imprisonment for a term not exceeding five years or a fine or both.

SCHEDULE A - DEFINITIONS

The following meanings shall apply throughout this licence:

1. WORKING PLAN shall mean the licence application, the operational statement, the safety statement on containment, of spills together with Drawing Numbers AC153/1; AC153/3; AC153/17 MERO01, MERO03, the site layout drawing of the proposed facility and the DAF Unit process design data statement together with all other drawings and documents contained in Schedule E.
2. THE ACT shall mean the Control of Pollution Act 1974 as amended.
3. WASTE REGULATION AUTHORITY shall have the meaning assigned to it in Section 30 (1) of The Environmental Protection Act 1990.
4. DULY AUTHORISED OFFICER shall mean any person authorised in writing by the Regulation Authority pursuant to Section 91 (1) of the Control of Pollution Act 1974.
5. ENVIRONMENTAL HAZARD shall have the meaning assigned to it in Section 4 (5) of the Control of Pollution Act 1974.
6. LICENCE HOLDER shall mean the person or persons to whom this licence is granted.
7. DESIGNATED OFFICER shall mean the person, nominated by the licence holder, responsible for the security and satisfactory operation of the facility.
8. COMPETENT PERSON shall mean a person who, through training and/or qualification is able to identify the nature of waste delivered to the facility.
9. APPROPRIATELY QUALIFIED PERSON shall mean a recognised Consultant Engineer or other such appropriately qualified persons as may be approved in writing by the Waste Regulation Authority.
10. SPECIAL WASTE shall have the meaning assigned to it in Section 2(1) of the Control of Pollution (Special Waste) Regulations 1980.
11. FLAMMABLE shall have the meaning assigned to it in Schedule 1, Part 1, of the Classification, Packaging and Labelling of Dangerous Substances Act 1984.
12. DRUM CONTAINER shall mean any container in which material is stored. Such containers having storage capacities less than 10 litres or greater than 250 litres shall not be regarded as drum containers for the purpose of this licence.

13. 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 water.
14. OPERATING shall mean the deposit and/or treatment of waste or acceptance of waste for treatment and all matters incidental thereto.
15. Notwithstanding the above, words and phrases in the licence have the meaning ascribed to them by the Control of Pollution Act 1974 and its associated regulations.
16. WASTE STREAM shall mean a regular arising of waste having consistent chemical and biological compositions arising from a single site.
17. LICENCE AREA shall mean the whole site, from the point of waste reception to the point of final discharge.

SCHEDULE B - SITE PREPARATION

1. The preparatory works required by conditions 2 to 13 below shall be supervised and certified, by a suitably qualified person, that they have been constructed in accordance with the working plan. Certification shall be forwarded to the Waste Regulation Authority and no waste material shall be accepted at the facility until the Waste Regulation Authority confirms, in writing, that the site preparatory works have been carried out in accordance with the working plan.

Site Infrastructure

2. Perimeter fencing and gates shall be provided and maintained at all times. The gates shall be securely locked at all times when the facility is unattended. Any damage to the gates and fencing which impairs their effectiveness will be repaired by the end of the working day and if this cannot be accomplished the licence holder shall provide security personnel to guard the facility until such repair is effected.
3. Appropriate warning signs shall be erected along the perimeter of the site.
4. An identification board of durable material and finish shall be displayed at the entrance to the facility, as indicated in the working plan. The following information shall be provided:
 - (a) Name, address and telephone number of facility;
 - (b) Name, address and telephone number of the Waste Regulation Authority responsible for issuing this Licence and the Waste Disposal Licence Number;
 - (c) Hours of Operation (as per licence condition);
 - (d) Name, address and telephone number of Licence Holder;
 - (e) Twenty-four hour emergency telephone number and contact.

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

5. A site control office shall be provided at a location and of a standard to be agreed with the Waste Regulation Authority within two months of the date of issue of this licence.

6. The access road shall be constructed of concrete or have a tarmacadam or tar and chippings wearing surface and shall be maintained so as to be kept free from potholes and be generally kept in good condition.
7. The waste reception/waste discharge area shall be designed, constructed and maintained so as to form a permanent surface that is able to withstand penetration by substances that are handled (accepted) at the facility, as detailed in the working plan.
8. The provisions for the parking, loading and unloading of vehicles, transporting waste to or from the facility shall be agreed with the Waste Regulation Authority. No waste shall be discharged to the facility from a vehicle until all agreed provisions have been constructed.
9. Provisions for the storage and maintenance of plant shall be constructed in accordance with the working plan and shall be maintained to the original standard specified in the working plan.
10. Artificial lighting shall be provided for those operations which are to be carried out during the hours of darkness as defined by the statutory lighting up times published by the Science Research Council. Lighting details shall be agreed with the Waste Regulation Authority and constructed within two months of the date of the issue of the licence.
11. Tanks or drums used for the storage of liquids which may be polluting shall be contained in a bunded compound whose volume is at least 10% of the total volume or 110% of the volume of the largest storage vessel whichever is the greater. Storage vessels shall be constructed of material suitable for the liquids they contain and labelled to show their contents. They shall conform, where necessary to all relevant safety construction standards and shall be installed at a location and to specification in accordance with the working plan. All tanks, drums and containment bunds shall be regularly inspected to ensure their integrity. Here refer also to Schedule D. Condition 24.

Emergency Plan

12. An emergency plan shall be provided within two months of the granting of this licence detailing the procedures to be adopted in the event of the release of any hazardous material, liquid or gas. The Health and Safety Executive, British Gas, the local Environmental health Department, National Rivers Authority, the emergency services and the Waste Regulation Authority shall be consulted when drawing up these procedures.
13. The emergency plan required by condition 12 shall be reviewed at six monthly intervals and it shall be updated whenever necessary to take account of changes in personnel or other circumstances. The updated emergency plan shall be forwarded forthwith to the Regulation Authority.

SCHEDULE C - TYPE OF WASTE

Permitted Waste

1. The types of waste acceptable at the facility and the maximum flow rates and quantity stored shall consist only of the following:-

<u>Waste</u>	<u>Maximum Quantities</u>	<u>Location</u>
1. Milk waste & waste process & washing water from the Unigate factory at Merlins Bridge.	Max daily vol = 2000m ³	Via direct pipeline
2. Leachate & Site waters from Landfill to a maximum of 275m ³ /day operations	20 tanker loads per day	To agreed inlet point
3. The maximum volume of effluent discharged from the facility in any period of twenty-four (24) hours shall not exceed 1545 cubic metres.		
4) The maximum rate of discharge from the facility shall not exceed 150 cubic metres per hour at any time.		
5) Consideration shall be given to the design and capabilities of the sewage treatment works receiving the discharge from the facility when calculating and controlling the rate of discharge of effluent to the sewage treatment works from the facility.		

Excluded Wastes

2. Notwithstanding the generality of the types of waste specified in this Schedule the following wastes shall be specifically excluded from delivery to the facility.
 - (a) Controlled waste being defined as 'Special Waste' in the Control of Pollution (Special Waste) Regulations 1980 and any subsequent amendments, except those listed in paragraph 1 above.
 - (b) Substances within the Control of Radioactive Substances Act 19760 and any subsequent amendments.

- (c) Percussives and explosives and other substances with similar characteristics, except where such wastes are in such a form or state where the percussive or explosive properties are and will remain ineffective.
- (d) Any waste containing substances listed in the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972.

SCHEDULE D - OPERATIONS

1. The licence holder shall operate the facility in accordance with the working plan as agreed by the Waste Regulation Authority and contained in Schedule E of this licence.
2. Any proposed modification to the agreed working plan shall be submitted to the Waste Regulation Authority together with the proposed date of implementation at least 8 weeks before the proposed date of such implementation.
3. The licence holder shall obtain written agreement from the Waste Regulation Authority for any proposed modification to the actual conduct of the operations from the proposals agreed in the working plan.
4. The types of wastes accepted at the facility shall consist only of those specified in Schedule C of this licence. All wastes shall be visually inspected to ensure that they conform with the requirements of Schedule C of this licence. Any wastes not conforming to the requirements of Schedule C shall be rejected as unsuitable for disposal at the facility.
5. Each container used for storage shall be of sound physical condition and marked with the waste type title as detailed in the working plan. Wastes shall be stored according to waste types in the segregated storage areas as detailed in the working plan.
6. The Waste Regulation Authority shall be notified immediately of any waste that has been rejected as unsuitable for disposal in accordance with condition 4 above Schedule C of this licence. This notification shall include the nature and quantity of waste, the name and address of the producer of the waste, the registration number of the vehicle delivering the waste, the name and address of the vehicle's driver and operator, and the time of rejection of the waste.
7. The facility shall be manned and supervised during operating hours (see condition 8 below) in accordance with the working plan. Supervisors must be able to identify the types of waste permitted by this licence and those wastes specifically excluded.

8. Wastes transported by vehicles shall be delivered to the facility between the hours of daylight specified below. No delivery of waste shall take place outside these hours without the prior written agreement of the Waste Regulation Authority.

Mondays - Fridays From 0600

 To 2000

Saturdays From 0600

 To 1630

Bank Holidays & From 0600

Sundays

 To 1630

9. Within 6 (six) months of the date of this licence, the licence holder shall submit to the Waste Regulation Authority a quality control system for the operational management of the site to ensure that wastes are only accepted if they are compatible with the sewage treatment process and can be effectively treated and will not give rise to any adverse reaction when intermixed.
10. A written record shall be kept of the characteristics and quantities of all wastes delivered to the facility, the name and address of the person delivering the waste, the registration number of the vehicle delivering the waste, the date and time of the delivery, and identification of the origin on the waste. This record shall be available to any representative of the Waste Regulation Authority for inspection at the facility at any reasonable time. Such records shall be kept by the licensee for a period of two years.
11. A summary of the records required by condition 10 above of all wastes delivered to the facility in each year shall be submitted to the Waste Regulation Authority before the thirty-first day of January of the succeeding calendar year.
12. No waste material shall be burnt within the boundaries of the facility. Any outbreak of fire shall be regarded as an emergency and immediate action shall be taken to extinguish it. Fire fighting equipment and emergency water supplies shall be provided, maintained and identified in accordance with the working plan. All outbreaks of fire shall be reported immediately to the County Fire Brigade and the Waste Regulation Authority.

13. In the event of an emergency, the appropriate procedures specified in the emergency plan required by condition 12 of Schedule B shall be implemented. The Regulation Authority shall be informed forthwith of any emergency. The circumstances of an emergency shall be confirmed to the Disposal Authority in writing as soon as practicable.
14. Measures shall be taken to remove any mud, debris or any other material that is deposited on any roadway by vehicles using the facility. These measures shall include the sweeping of the site access road, hard surfaced areas and the public highway leading from the facility.
15. Within two months of the date of issue of this licence, measures shall be taken to prevent damage to pipework, valves, pumps and storage tanks which may cause pollution of water, danger to public health or be seriously detrimental to the amenities of the locality. Such measures shall be agreed in advance with the Waste Regulation Authority.
16. Any loose waste on or around the facility shall be collected on a daily basis and disposed of in accordance with the working plan.
17. Any spillage shall be dealt with immediately to prevent water pollution.
18. Cleaning chemicals and reagents shall be stored and segregated according to compatibilities.
19. Measures shall be taken to deal effectively with any vermin and insects at the facility.
20. Measures including proper maintenance and use, shall be undertaken to control the noise of machinery and vehicles operating at the facility which may be detrimental to the amenities of the locality.
21. Measures in accordance with the working plan shall be taken to effectively suppress dust and malodours which may be detrimental to the amenities of the locality.
22. Any cessation of operations for a period in excess of 12 weeks shall be notified to the Waste Regulation Authority. Not less than 14 days notice shall be given to the Waste Regulation Authority of the date on which operations are to recommence in the event of such a cessation.

23. A copy of any notice or instruction received in respect of the facility from any authority, other than the Waste Regulation Authority, which in any way relates to the use of the facility, shall be given to the Waste Regulation Authority within 3 days of the receipt of such a notice or instruction.
24. The terms of this licence shall be made known to any person who is given responsibility for the management or control of the facility and be available at all times at the facility for the use of such persons.
25. The integrity of all (tanks and bunds) (waste reception channels) shall be tested by an appropriately qualified person to be agreed with the Waste Regulation Authority at intervals not exceeding 12 (twelve) months or as requested by the Waste Regulation Authority. The results of all such tests shall be forwarded to the Disposal Authority within 2 (two) months of the date of the test.
26. Alarms on tanks to prevent overfilling. All tanks shown on the working plan for the storage of liquids shall be fitted with high level alarms and incorporate cut off devices in accordance with the working plan so as to avoid overfilling and/or spillages during filling and transfer operations.
27. All alarm systems shall be so arranged that a visible alarm signal will show on the control console if a failure occurs whilst the treatment plant is manned and an alarm will be transmitted to a manned station.
28. Unless otherwise agreed with the Waste Regulation Authority each and every load of waste delivered to the facility shall be sampled, analysed and assessed in the site laboratory or other laboratory as agreed with the Waste Regulation Authority in accordance with methods detailed in the working plan, so as to ensure that all waste within the load is consistent with the sample provided in accordance with condition. Such sampling, analysis and assessment shall ensure that the waste is capable of treatment at the facility in accordance with this licence. Samples of wastes shall be retained at the site for a minimum of 14 days after the deposit of each particular load and open to inspection and sampling by the Waste Regulation Authority.

29. The Waste Regulation Authority may select a maximum of one in every six of the samples taken by the licence holder in accordance with Condition 25. The licence holder shall subject the selected sample to analysis at an independent chemical laboratory agreed between the licence holder and the Waste Regulation Authority. The cost of such analysis shall be borne by the licence holder.
30. The on-site sampling, analysis and assessment of wastes shall be undertaken by person(s) holding an appropriate qualification and as agreed with the Waste Regulation Authority.
31. Within 3 (three) months of the date of this licence all existing waste streams that are to continue to be accepted at the facility shall in accordance with the working plan be sampled; analysed and assessed at a NAMAS accredited laboratory or other laboratory as agreed with the Waste Regulation Authority in respect of the following determinands:-
pH, temperature (TEMP), electrical conducting (EC), biochemical oxygen demand (BOD), chemical oxygen demand (COD), suspended solids (SS), ammoniacal nitrogen ($\text{NH}_4 - \text{N}$), sulphate (SO_4), Fe, Mr, Cd, Cr Cu, Ni, Pb, Zn.
32. Following the initial sampling, analysis and assessment of waste in accordance with D31, each waste stream shall be further sampled, analysed and assessed at a NAMAS accredited laboratory or other laboratory as agreed with the Waste Regulation Authority at intervals of three calendar months.
33. Determinands in discharge consent. The effluent from the facility shall be sampled, analysed and assessed at a NAMAS accredited laboratory, or any other laboratory as agreed with the Waste Regulation Authority, at intervals not to exceed three months. The determinands shall be those listed in Condition 31 of Schedule D above.
- In addition the effluent shall be continuously monitored for pH value.
34. Notwithstanding the generality of the conditions in this Schedule, the activities to which this licence relates shall not be carried on so as to cause pollution to water or danger to public health or become seriously detrimental to the amenities of the locality affected by the activities.

SCHEDULE E

Welsh Water Industrial Services - Merlins Bridge Industrial Waste Water Treatment Plan

Contents

1. The Waste Disposal Licence Application
2. The Working Plan (Operational Statement)
3. The Safety Statement on Containment of Spills
4. DAF Unit process design data statements
5. Letter reference RR/ACC dated 8 November 1994
6. Emergency Plan (Appendix 1)
7. Discharge Consent issued by DCWW (Appendix 11)
8. Drawing Number AC153/1
9. Drawing Number AC153/3
10. Drawing Number AC153/17
11. Drawing Number MER001
12. Drawing Number MER003