

Our Ref: GWN 2109  
Your Ref:



ASiantaeth YR  
AMGYLCHEDD CYMRU  
ENVIRONMENT  
AGENCY WALES

Date: 23<sup>rd</sup> June 2000

J.D. & L.A. JONES  
BRYNLLWYN FARM  
GWAENYSGOR  
DENBIGHSHIRE  
LL18 6EP

Dear Sir

### **GROUNDWATER REGULATIONS 1998**

GROUNDWATER AUTHORISATION NO.  
ISSUED TO:  
FOR THE SITE AT:

GWN 2109  
J.D. & L.A. JONES  
BRYNLLWYN FARM  
GWAENYSGOR  
RHYL  
DENBIGHSHIRE  
LL18 6EP

I am writing to inform you that your application for a Groundwater Authorisation has been approved. You have been given Authorisation Number GWN 2109 and I would be very grateful if you would quote this reference in any future communications.

Please find a copy of your Authorisation enclosed. This is a legal document so please ensure that you store it away safely.

Your Authorisation allows you to dispose of spent sheep dip at BRYNLLWYN FARM, GWAENYSGOR, provided that you do so without breaching any of the conditions of your Authorisation. If you do not understand any of the conditions or need an explanation, please contact me without delay at the address below.

Please note that if you intend to use a vacuum tanker to spread the spent sheep dip onto land, the equipment is unable to spread at a sufficiently low rate to prevent overloading of the soil with poisonous substances. However it may be used if the waste dip is diluted in the ratio of 1 part working strength dip to at least 3 parts of water or slurry before disposal onto land. Condition 10 of your Authorisation requires that the waste dip is diluted 1:3 according to these recommendations. This may require a change in your disposal practice.

- In future, your circumstances may change, and we both may have concerns which may need to be sorted out. I have therefore explained below what may happen in relation to your Authorisation.

Continued...

Asiantaeth yr Amgylchedd Cymru  
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ Ffon 01244 550124 Ffacs 01244 550144

Environment Agency Wales  
Chester Road, Buckley, Flintshire CH7 3AJ Tel 01244 550124 Fax 01244 550144



- Your Authorisation will end on the 23<sup>rd</sup> June 2000. We will need to reassess your Authorisation at that time to ensure that any risk to the environment is still adequately controlled. Provided that there is no reason to cancel the permission, an extension to the Authorisation will be issued at no additional cost.
- Your Authorisation applies only to the named holder making a disposal onto the area of land specified in the Authorisation. Therefore, if you move, you can not take your Authorisation with you and continue to dispose at another location. However, the holder of an Authorisation may transfer the Authorisation to another named person for use of the **same disposal area of land for the same purpose**. This must be done prior to any disposal by the new occupier, and the current holder must inform the Agency of the transfer to the new holder.
- In the future, you may find that you do not need to dispose of spent sheep dip. In this case, please write and ask for your Authorisation to be revoked.
- Should the disposal site fall within an area of land subject to a management agreement, concerning either tenancy conditions or nature conservation, we would ask that you take this into consideration when undertaking the disposal activity.

**You can apply to us at any time to review the conditions of your Authorisation if, for example, you wish to increase the annual quantities disposed of. You must complete another application to do this and pay a fee .**

**The Authorisation will be reviewed at intervals of up to 4 years to take account of changes in circumstances. We may also change the conditions of your Authorisation if we think it is necessary to do this in order to prevent pollution of the environment. We will try to ensure that any such changes do not cause an unreasonable cost on your part.**

**You should be aware that the Agency has the power to revoke (i.e. cancel) your Authorisation at any time if this is considered to be justified. In such cases, a Notice will be given to you telling you of our reasons for the revocation. You have a right of Appeal against the decision.**

**If we revoke or amend your Authorisation, or if you think that any of the conditions of your Authorisation are unreasonable, you may appeal to the National Assembly for Wales. A copy of the form on which you may appeal is available from the National Assembly for Wales, Cathays Park, Cardiff, CF10 3NQ/ Department of Environment, Transport and the Regions at the Planning Inspectorate, 10/13 Tollgate House, Houlton Street, Bristol, BS10 9DJ.**

Continued .....

May I ask you to note that following the Downing Street Summit of 30/03/2000, the Agency understands that farmers issued with Authorisations will not be liable for the subsistence charges until 1<sup>st</sup> April 2003.

I hope that this letter gives you sufficient information about the legal requirements of disposing of spent sheep to land. However, if you are unclear on any of the above matters or need some further help or advice, please contact me on extension 4565 at the address below.

Yours faithfully



**Water Quality Consents Team Leader**  
Encl.



## GROUNDWATER REGULATIONS 1998

## REGULATION 18(3)(a)

AUTHORISATION OF DISPOSAL  
OR TIPPING FOR THE PURPOSE OF DISPOSAL

TO: J.D. & L.A. JONES  
GWAENYSGOR  
RHYL  
DENBIGHSHIRE  
LL18 6EP

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Groundwater Regulations 1998 and in accordance with Regulation 18(3)(a) of those Regulations, hereby **AUTHORISES** the making of a disposal of spent sheep dip as follows:

**Spreading onto land**

**FROM: a sheep dip facility**

**AT: BRYNLLWYN FARM, GWAENYSGOR, RHYL, DENBIGHSHIRE LL18 6EP**

**TO : land as shown on the attached plan GWN 2109**

**SUBJECT TO:** the conditions set out in the following Schedule :

**Spreading onto land schedule ref. no GWN 2109**

The Agency will review this Authorisation at least every 4 years and may vary or revoke the Authorisation in writing at any time.

This authorisation is issued and takes effect on the 23rd day of June 2000.

Signed.....

**STUART THOMAS**

**Team Leader Water Quality Consents**

<b>AUTHORISATION NO.</b>	GWN 2109
<b>SCHEDULE NO.</b>	GWN 2109 01
<b>DATE ISSUED</b>	23 <sup>RD</sup> JUNE 2000

## **CONDITIONS OF AUTHORISATION OF DISPOSAL**

### **Disposal of Spent Sheep Dip ("the Disposal")**

**FROM : BRYNLLWYN FARM, GWAENYSGOR, RHYL, DENBIGHSHIRE LL18 6EP**

### **GENERAL**

1. The disposal shall consist only of spent sheep dip, derived from use at BRYNLLWYN FARM, GWAENYSGOR from sheep dip used in accordance with appropriate licensed use conditions issued by the Veterinary Medicines Directorate, Ministry of Agriculture Fisheries and Food (MAFF).
2. The disposal shall be undertaken at the location specified in Condition 3 below so that:
  - (a) There shall be no direct discharge of List 1 substances (set out in Annex 1 to this Authorisation) to groundwater or surface waters;
  - (b) Groundwaters (as defined by the Groundwater Regulations 1998) is not polluted ;
  - (c) The disposal shall not cause any adverse effects on sources of water for potable supply;
  - (d) Disposal of List 1 and List 2 substances (set out in Annex 1 to this Authorisation) shall only be made in accordance with the following conditions of this Authorisation.
  - (e) Provided that the disposal hereby authorised is made in accordance with all of the conditions of this Authorisation, the disposal shall not be taken to be in breach of conditions (a), (b) or (c) above because it contains substances or has properties identified in and controlled by conditions (a), (b) or (c).
  - (f) The Authorisation holder shall take all practicable measures to minimise adverse environmental impact of the disposal.
3. The disposal shall be made by application onto areas of land centred at:
  - (a) National Grid Reference SJ 0736 8188 & SJ 0764 8205
  - (b) As shown marked on the attached Plan GWN 2109 (including boundary of the disposal area)
4. The disposal shall be made by application onto an area of land with an established vegetation cover of minimal wildlife value. The area of land shall not include hedgerows, woodlands or wildflower meadows, or land that is bare as part of a crop rotation. The disposal of spent sheep dip shall not be made to land on which crops are currently being grown for human consumption.

<b>AUTHORISATION NO.</b>	GWN 2109
<b>SCHEDULE NO.</b>	GWN 2109 01
<b>DATE ISSUED</b>	23 <sup>RD</sup> JUNE 2000

5. No part of the disposal area shall lie within:

(a) 10 metres of the nearest watercourse (which includes ditches and land drains which may run dry for part of the year) or 30 metres of a river designated as a Site of Special Scientific Interest (SSSI) or Special Area of Conservation (SAC);

(b) 50 metres of any well, spring or borehole, irrespective of its current use ;

(c) 500 metres of any well, spring or borehole used for potable water supply.

(d) 25 metres of an identified swallow hole.

6. No disposal shall be to field boundaries or to a strip of land at least 2 metres wide adjacent to any boundary or footpath.

7. No disposal of spent sheep dip shall take place on land which:

(a) has been under drained or mole drained within 12 months prior to any disposal operation, or is cracked down to the drain or any backfill ;

(b) has a slope greater than 11 degrees ;

(c) is frozen hard or snow covered;

(d) is liable to flooding;

(e) is severely compacted or waterlogged.

8. Disposal equipment and / or methods shall be designed and operated such that the requirements of Conditions 9, 10 and 11 are met.

#### **VOLUME**

9. The maximum volume of spent sheep dip (of working strength), before any dilution to assist safe spreading, shall not exceed 1 cubic metre per day and 3 cubic metres per annum disposed of to the land identified in Condition 3 above.

10(a). The maximum daily application rate of spent working strength sheep dip shall not exceed 5 cubic metres spread evenly on a minimum of 1 hectare of land identified in condition 3 above.

And/or

10(b). The maximum daily application rate of spent working strength sheep dip further diluted in the ratio of 1 part dip to 3 parts slurry or water shall not exceed 20 cubic metres spread evenly on the minimum of 1 hectare of the land identified in condition 3 above.

<b>AUTHORISATION NO.</b>	GWN 2109
<b>SCHEDULE NO.</b>	GWN 2109 01
<b>DATE ISSUED</b>	23 <sup>RD</sup> JUNE 2000

11. The minimum interval between each application to the same area of land shall be at least 3 days.

#### **DISPOSAL PERIOD**

12. The disposal or tipping of spent sheep dip shall only be carried out between the dates of 1<sup>st</sup> January and 31<sup>st</sup> December each year inclusive for the duration of this Authorisation.

#### **MONITORING / REPORTING**

13. Records shall be made available for inspection on request by the Agency for at least four years. A form is provided which you may use for this purpose. They shall include :

- (a) daily volumes of undiluted spent sheep dip disposed ;
- (b) rates of disposal ;
- (c) location and area of disposal ;
- (d) nature of used dip (licensed brand name will suffice) ;
- (e) any materials added to dilute or treat the spent sheep dip including water or slurry.

#### **EXPIRY DATE**

14. The Authorisation shall cease to have effect on 23<sup>rd</sup> June 2012.

<b>AUTHORISATION NO.</b>	GWN 2109
<b>SCHEDULE NO.</b>	GWN 2109 01
<b>DATE ISSUED</b>	23 <sup>RD</sup> JUNE 2000

## ANNEX 1.

### Summary listing of the substances to be controlled under the Groundwater Regulations 1998.

**List One.** "List One" substances are the most toxic and must be prevented from entering groundwater. They include pesticides, sheep dip and solvents.

- Organohalogen compounds and substances which may form such compounds in the aquatic environment
- Organophosphorus (OP) compounds
- Organotin compounds
- Substances which possess carcinogenic, mutagenic, or teratogenic properties in or via the aquatic environment (including substances which may have those properties which would otherwise be in list two)
- Mercury and its compounds
- Cadmium and its compounds
- Mineral oils and hydrocarbons
- Cyanides

**List Two** "List Two" substances are less dangerous but, if disposed of in large amounts, could be harmful to groundwater. Entry of these substances into groundwater must be restricted.

- The following metals and metalloids and their compounds

Zinc	Antimony	Uranium
Copper	Molybdenum	Vanadium
Nickel	Titanium	Cobalt
Chromium	Tin	Thallium
Lead	Barium	Tellurium
Selenium	Beryllium	Silver
Arsenic	Boron	

- Biocides (including pesticides) and their derivatives not appearing in list one
- Substances which have a deleterious effect on the taste or odour of groundwater, and compounds liable to cause the formation of such substances in such water and to render it unfit for human consumption.
- Toxic or persistent organic compounds of silicon, and substances which may cause the formation of such compounds in water, excluding those which are biologically harmless or are rapidly converted in water into harmless substances.
- Inorganic compounds of phosphorus and elemental phosphorus
- Fluorides
- Ammonia and nitrites





<b>AUTHORISATION NO.</b>	GWN 2109
<b>SCHEDULE NO.</b>	GWN 2109 01
<b>DATE ISSUED</b>	23 <sup>RD</sup> JUNE 2000

# GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at BRYNLLWYN FARM, GWAENYSGOR permitted by Authorisation Number GWN 2109

Required Records	Disposal date	Disposal date	Disposal date	Disposal date	Disposal date
Licensed brand name or Chemical composition of dip.					
Details of any disposal other than used dip made up to stipulated initial dilution rates.					
Volume of spent dip (litres)					
Spreading equipment used.					
Rate of disposal in m <sup>3</sup> /ha (gallons/acre)					
Location of disposal area – either indicate field numbers and if whole fields or not, or provide separate map.					
<b>Quantity and nature</b> of material used to further dilute the spent dip to help safe spreading eg slurry or water.					
Dilution ratio of slurry/water : dip					
Materials used to reduce toxicity of spent dip and confirmation or otherwise if these are used in accordance with manufacturers recommendations					