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| <b>AUTHORISATION NO.</b> | GWN0050        |
| <b>SCHEDULE NO.</b>      | GWN0050 01     |
| <b>DATE ISSUED</b>       | 13TH JULY 2007 |

## GROUNDWATER REGULATIONS 1998

### REGULATION 18(4)

## NOTICE OF VARIATION OF AUTHORISATION

**TO: D. Derosa**  
**Greenbank**  
**Tremeirchion**  
**St Asaph**  
**Denbighshire**  
**LL17 0UH**

Following a review of the conditions of its authorisation, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under of the Groundwater Regulations 1998 and in accordance with Regulation 18(4) of those Regulations, **HEREBY GIVES NOTICE OF VARIATION**

**FOR :** the making of a disposal of spent sheep dip

**FROM:** a sheep dip facility

**AT:** Greenbank, Tremeirchion, St Asaph, Denbighshire, LL17 0UH

**TO:** Land shown on the attached plan

with respect to Authorisation No. GWN0050 issued on the 10-Aug-00

**HEREAFTER SUBJECT TO** the conditions set out in the following schedule(s):

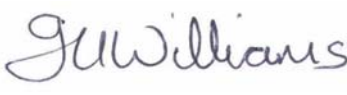
**GWN0050 01 Disposal of Spent Sheep Dip**

**The authorisation is varied for the following reason:**

Subdivision of the disposal site(s), with only one disposal per annum to be made on each area

This variation is issued and takes effect on 13th July 2007

This variation shall cease to have effect on 13th July 2019

Signed 

**Iwan Williams**  
**Regulatory Team Leader (Water Quality)**

**Asiantaeth yr Amgylchedd Cymru**, Ffordd Caer, Bwcle, Sir Fflint, CH7 3AJ Llinell gwasanaethau cwsmeriaid: 08708 506 506

Ebost: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) [www.asiantaeth-amgylchedd.cymru.gov.uk](http://www.asiantaeth-amgylchedd.cymru.gov.uk)

**Environment Agency Wales**, Chester Road, Buckley, Flintshire, CH7 3AJ Customer services line: 08708 506 506

Email: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) [www.environment-agency.wales.gov.uk](http://www.environment-agency.wales.gov.uk)

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## **CONDITIONS OF AUTHORISATION OF DISPOSAL**

### **Disposal of Spent Sheep Dip (“the Disposal”)**

**FROM : Greenbank, Tremeirchion, St Asaph, Denbighshire, LL17 0UH**

### **GENERAL**

1. The disposal shall consist only of spent sheep dip, derived from use at Greenbank, Tremeirchion, St Asaph, Denbighshire, LL17 0UH from sheep dip used in accordance with the appropriate marketing authorisation issued by the Veterinary Medicines Directorate of the Department of the Environment, Food and Rural Affairs (DEFRA).
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) Groundwater (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) 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 an overall disposal site**:
  - (a) Centered at National Grid Reference SJ 07086 71813
  - (b) As shown marked on the attached Plan (including boundary of the disposal area and sub-division into individual areas for each disposal).

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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.
  
5. No part of the disposal area shall lie within:
  - (a) 10 metres of the nearest watercourse (which includes ditches and open 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 within 2 metres of any field boundary or footpath.
  
7. No disposal of spent sheep dip shall take place on land which:
  - (a) has been underdrained 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 (approximately 1 in 5);
  - (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 10 and 11 are met.
  
9. The disposal to the same individual area of land within the overall disposal site identified in condition 3b shall not be undertaken more frequently than once per year.

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## **VOLUME**

10. The maximum volume of spent sheep dip (of working strength), **before any dilution to assist safe spreading**, shall not exceed 2.5 cubic metre per day and 7.5 cubic metre per annum disposed of to the land identified in Condition 3 above.

## **APPLICATION RATE**

- 11(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**

- 11(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.

## **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 13th July 2019.

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### **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

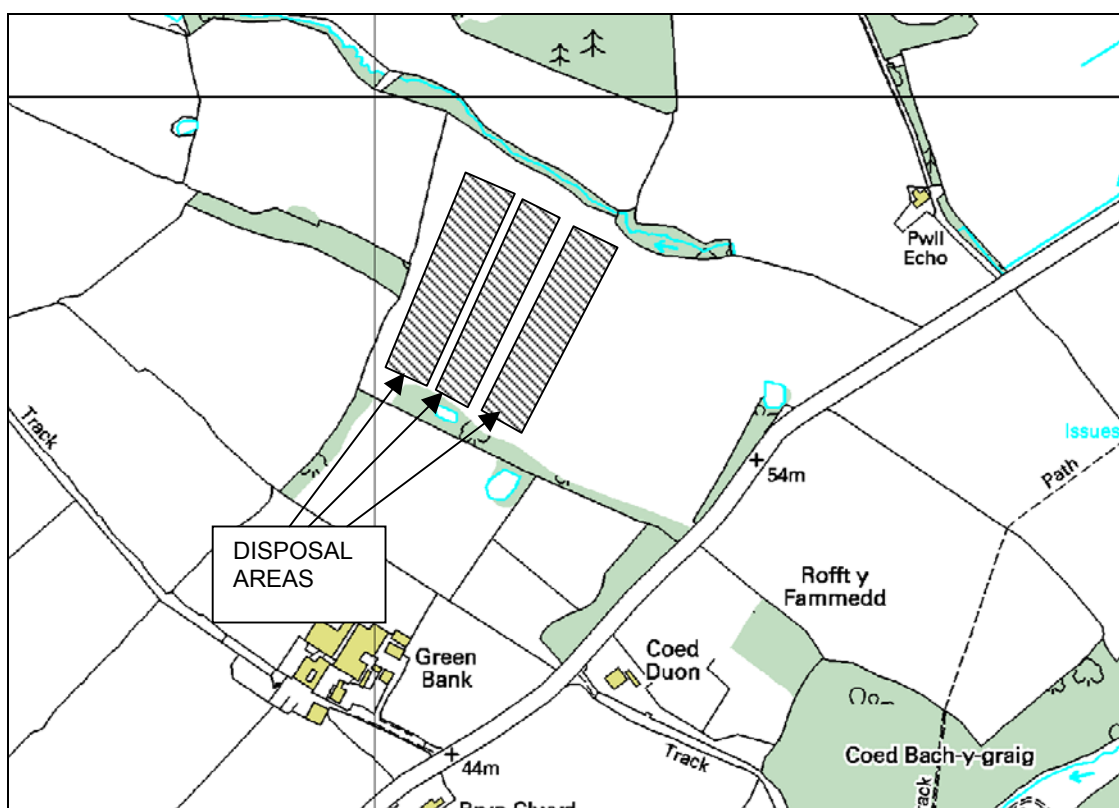
|          |            |           |
|----------|------------|-----------|
| Zinc     | Antimony   | Uranium   |
| Copper   | Molybdenum | Vanadium  |
| Nickel   | Titanium   | Cobalt    |
| Chromium | Tin        | Thallium  |
| Lead     | Barium     | Tellurium |
| Selenium | Beryllium  | Silver  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

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## ANNEX 2

### PLAN GWN0050



NOT TO SCALE

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### ANNEX 3 – GROUNDWATER REGULATIONS 1998

#### Record of Sheep Dip Disposal Activities at Greenbank, Tremeirchion, St Asaph, Denbighshire, LL17 0UH GWN0050

| Required Records                                                                                                                                | Disposal date | 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.                                  |               |               |               |               |               |               |
| Quantity and nature 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 |               |               |               |               |               |               |

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