AUTHORISATION NO.	GWN 0740

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

GROUNDWATER REGULATIONS 1998

REGULATION 18(4)

NOTICE OF VARIATION OF AUTHORISATION

TO: **Mr T. Jones**
Ffynnon Tudur
Llanelidan
Ruthin
Denbighshire
LL15 2HY

COPY

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 VARIES ITS AUTHORISATION**

FOR : the making of a disposal of spent sheep dip

FROM: a sheep dip facility

AT: Ffynnon Tudur, Llanelidan, Ruthin, Denbighshire, LL15 2HY

TO: Land shown on the attached plan GWN 0740

with respect to Authorisation No. **GWN 0740** issued on the 25th February 2000

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

GWN 2279 01 Disposal of Spent Sheep Dip

The authorisation is varied for the following reasons:

1. **The Disposal site located at SJ 12460 49430, has been relocated to an area of land centred at SJ 12336 48933.**

Dated this 25th day of February 2005

Signed .....IWilliams.....

Iwan Williams
Regulatory Team Leader (Water Quality)

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

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25TH FEBRUARY 2005

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

CONDITIONS OF AUTHORISATION OF DISPOSAL

Disposal of Spent Sheep Dip ("the Disposal")

FROM : Ffynnon Tudur, Llanelidan, Ruthin, Denbighshire, LL15 2HY

GENERAL

1. The disposal shall consist only of spent sheep dip, derived from use at **Ffynnon Tudur, Llanelidan, Ruthin, Denbighshire,** from sheep dip used in accordance with appropriate licensed use conditions issued by the Department for 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 notice) to groundwater or surface waters;

   (b) Groundwaters (as defined by the Groundwater Regulations 1998) are not polluted ;

   (c) The disposal shall not cause any adverse effects on sources of water for private potable supply ;

   (d) Disposal of List 1 and List 2 substances (set out in Annex 1 to this notice) 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 12336 48933 & SJ 12150 48880**

   (b) As shown marked on the attached Plan **GWN 0740** (including boundary of land)

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 <u>not</u> 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 which may run dry for part of the year) or 30 m of 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.

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. The maximum daily application rate of spent sheep dip to the same area of land (before dilution to assist safe spreading) shall not exceed 5 cubic metres per hectare and 20 cubic metres per hectare after dilution for safe spreading.

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 1st January and 31st December each year inclusive for the duration of this Authorisation.

MONITORING / REPORTING

13. Records shall be kept on a form provided by the Agency, and made available for inspection on request by the Agency for at least four years. 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 **25th February 2017.**

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25TH FEBRUARY 2005

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

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	

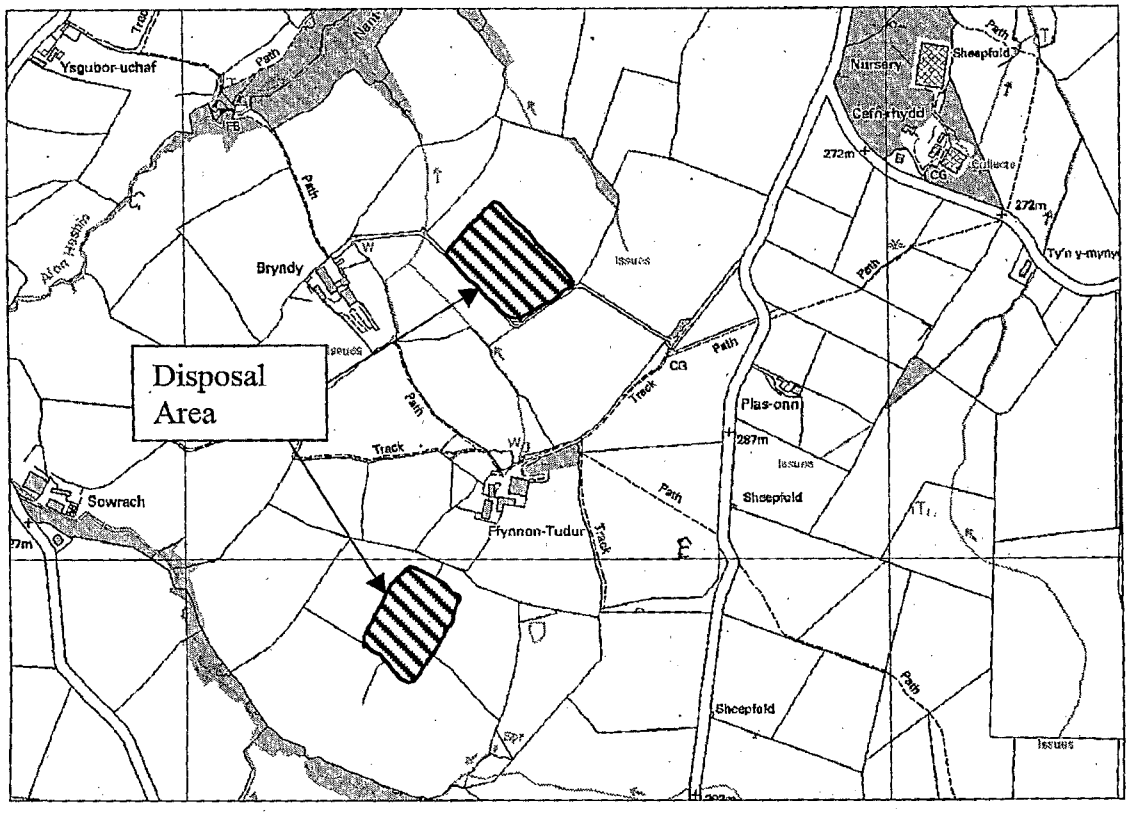
- Biocides (including pesticides) and their derivatives not appearing in list one
- Substances which have a deleterious effect on the taste or odour of groundwater, and compounds liable to cause the formation of such substances in such water and to render it unfit for human consumption.
- Toxic or persistent 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

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25TH FEBRUARY 2005

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

ANNEX 2

PLAN GWN 0740



NOT TO SCALE

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AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25TH FEBRUARY 2005

GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at Ffynnon Tudur, Llanelidan, Ruthin, permitted by Authorisation Number GWN 0740

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 ^{m3}/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						

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Our Ref: GWN 0740
Your Ref: GWN 0740

Date: 25th February 2005

Mr T. Jones
Ffynnon Tudur
Llanelidan
Ruthin
Denbighshire
LL15 2HY

COPY

Dear Sir,

GROUNDWATER REGULATIONS 1998
NOTICE TO CONTROL DISPOSAL OF SPENT SHEEP DIP

I am writing to give you notice that we are changing the conditions of your Groundwater Authorisation to dispose of spent sheep dip at **Ffynnon Tudur, Llanelidan, Ruthin,** because:

1. **The Disposal site located at SJ 12460 49430, has been relocated to an area on land centred at SJ 12336 48933.**

You must comply with the [conditions of the attached] notice immediately or you will be committing a criminal offence and prosecution may result.

You have 3 months from the date of this letter to appeal against our decision to the National Assembly for Wales. Please note however, that an extension to this 3 month period may be granted to you by the National Assembly of Wales.

A copy of the form on which you may appeal is available from the National Assembly for Wales, Cathays Park, Cardiff, CF10 3NQ.

If you require any further help or information, or need clarification on any of the above matters, please contact me on extension 4518 at the address below.

Yours faithfully,

Nathan Sarea
Regulatory Support Officer (Water Quality)

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

Environment Agency Wales

Our Ref: GWN 0740
Your Ref:

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Date: 25th February 2000

MR TUDUR JONES
FYNNON TUDUR
LLANELIDAN
RUTHIN
LL15 2HY

Dear Sir

GROUNDWATER REGULATIONS 1998

GROUNDWATER AUTHORISATION NO.	GWN 0740
ISSUED TO:	TUDUR JONES, IWAN ROBERTS & H. EVANS
FOR THE SITE AT:	FYNNON TUDUR LLANELIDAN RUTHIN LL15 2HY

I am writing to inform you that your application for a Groundwater Authorisation has now been approved. You have been given Authorisation Number GWN 0740 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 now allows you to dispose of spent sheep dip at FYNNON TUDUR, LLANELIDAN 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.

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.

- Your Authorisation will end on the 25th February 2012. 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.

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 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.

- Please be aware that there is an Annual Charge payable for your Authorisation. The current Charge is £108. You will be billed for this amount by our finance department. The Annual Charge may be changed at the beginning of any financial year from the 1 April.

- 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 withdrawn. After we have received your written request and we have confirmed that no Authorisation is required, we will instruct our finance department to stop billing you.

- 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.

It is important that you pay our Annual Charge promptly. Bills will be sent to you each year for as long as your Authorisation remains in existence. If you do not pay your bill promptly, we may take measures to remove your right to continue to dispose of spent sheep. **Please note that if your Authorisation is revoked because of non-payment and you continue to dispose of spent sheep dip, you may be committing an offence for which you could be prosecuted.**

Continued .....

I hope that this letter gives you enough 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 4518 at the address below.

Yours faithfully

Mrs Wendy C. Price

Water Quality Consents Team Leader
Encl.

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

AUTHORISATION NO.	GWN 0740

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

GROUNDWATER REGULATIONS 1998

REGULATION 18(3)(a)

AUTHORISATION OF DISPOSAL OR TIPPING FOR THE PURPOSE OF DISPOSAL

TO:	TUDUR JONES FYNNON TUDUR LLANELIDAN RUTHIN LL15 2HY	IWAN ROBERTS WAEN RHYDD LLANELIDAN RUTHIN LL15 2RP	H. EVANS BRYN DU LLANELIDAN RUTHIN LL15

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: FYNNON TUDUR, LLANELIDAN, RUTHIN LL15 2HY.

TO : land as shown on the attached plan GWN 0740

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

Spreading onto land schedule ref. no GWN 0740 01

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 25th day of February 2000.

Signed.....

STUART THOMAS
Team Leader Water Quality Consents

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

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25 FEB 2000

CONDITIONS OF AUTHORISATION OF DISPOSAL

Disposal of Spent Sheep Dip ("the Disposal")

FROM : FYNNON TUDUR, LLANELIDAN, RUTHIN LL15 2HY.

GENERAL

1. The disposal shall consist only of spent sheep dip, derived from use at FYNNON TUDUR, LLANELIDAN 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 notice) to groundwater or surface waters;

   (b) Groundwaters (as defined by the Groundwater Regulations 1998) are not polluted ;

   (c) The disposal shall not cause any adverse effects on sources of water for private potable supply ;

   (d) Disposal of List 1 and List 2 substances (set out in Annex 1 to this notice) 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 a) SJ 1246 4943 b) SJ 1215 4888.

   (b) As shown marked on the attached Plan GWN 0740 (including boundary of land)

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 <u>not</u> 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 which may run dry for part of the year) or 30 m of 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.

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. The maximum daily application rate of spent sheep dip to the same area of land (before dilution to assist safe spreading) shall not exceed 5 cubic metres per hectare and 20 cubic metres per hectare after dilution for safe spreading.

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 1st January and 31st December each year inclusive for the duration of this Authorisation.

MONITORING / REPORTING

13. Records shall be kept on a form provided by the Agency, and made available for inspection on request by the Agency for at least four years. 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 25th February 2012.

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25 FEB 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.

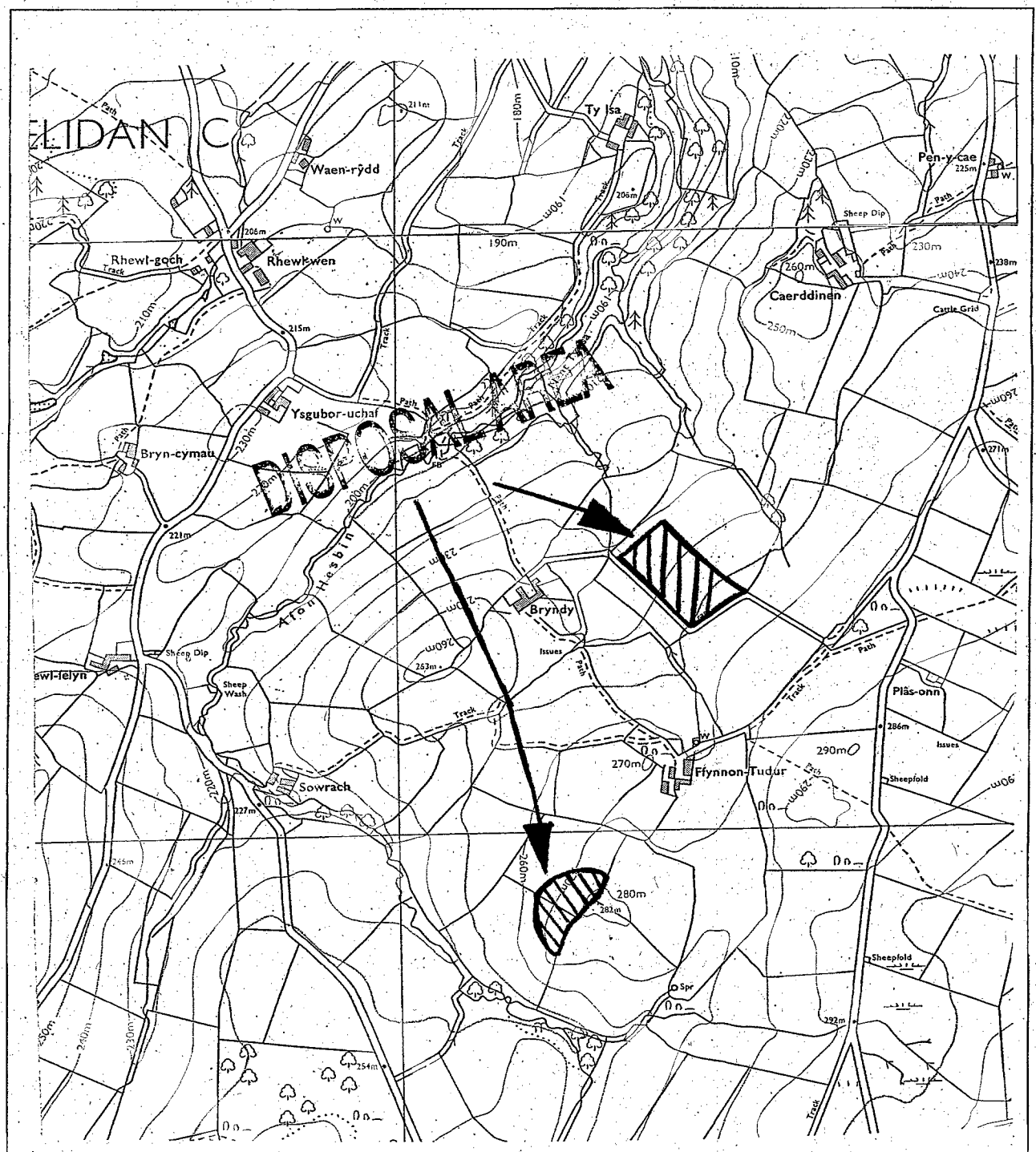
- The following metals and metalloids and their compounds

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

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25 FEB 2000

ANNEX 2
PLAN GWN 0740



LOCATION PLAN
SCALE 1 : 10000

AUTHORISATION NO.	GWN 0740
SCHEDULE NO.	GWN 0740 01
DATE ISSUED	25 FEB 2000

GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at FFYNON TUDUR, LLANELIDAN permitted by Authorisation Number GWN 0740

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 ^{m3}/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						