

GROUNDWATER AUTHORISATION PROGRESS FORM

For completion by the Area Consents Team

Application / Authorisation No.	<i>GWN 13209</i>	Is Authorisation Under Appeal?	YES ☒ NO
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DATE

INITIALS

Application for New Authorisation Received		
Variation initiated by Agency (Reg. 18(4))	<i>14/1/05</i>	<i>[Signature]</i>
Four-Yearly Review initiated by Agency		
Revocation (Reg. 18(4)) / withdrawal (Reg23(4)) initiated by Agency		
Determination Period starts (only if application duly made)		

Applicant's Details (If a group of individuals has applied for an Authorisation please indicate by ticking the appropriate box. Insert the nominated Billee's name and address below or the business / registered office address for partnerships or companies. (For the full group of individuals please refer to the application form)).

Individual	☒	Group of individuals or partnership	☐	Company or corporate applicant	☐
Applicant's Name		<i>M. O. F. OWBN</i>			
Applicants Address: <i>GWN 13209 TYN 7 GROSS COMM U32 8TL</i>		Business / Billees Address:		Registered Address:	
Substance to be disposed of		<i>SHEEP DIP</i>			
Maximum discharge per day		<i>1 m³</i>			
Disposal Site Address		<i>AS ABOVE</i>			
National Grid Reference					
Disposal site A NGR	<i>SN 76721 72463</i>	Disposal site B NGR			

Agent's Address (*)

	* If an Agent's name is supplied it will be assumed that they are acting fully on behalf of the applicant and all correspondence will be addressed to them
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Database

Applicants' details placed on appropriate database?	☒ Yes / No	Which?	<i>U32</i>
		Date information entered?	<i>APRIL 2004.</i>

Charging Information

Charging Bands:	Volume before dilution	<i>1 m³</i>	Frequency of disposal	<i>2 AA</i>
Effective Credit Date		Date passed to C for D Officer		

Charging Database

Input to CFD Database	Date <i>7/2/05</i>	Checked on CPR	Date
CFD Preview Date		Preview Number	

GIS

Disposal site polygon data added onto GIS	Yes/No	Date information entered?	
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Further Information Required?

Date? Phone call / Letter?	Comments	Date Received

Extension of time required	Yes / No	
	Date extension requested	Date extension expires
Extension of time requested		

Consultation

Internal consultees contacted	CRN		Hydrogeology		Other	
Date comments received						
External consultees	CCW/EN		NP		Other	
Date comments received						

Please enter Environment Protection Team Code _____

Signing of Authorisation / Variation / Revocation

Authorisation checked by Area Officer	Name		Date	
Authorisation signed by officer specified under NFSoD	Name	<i>Julw</i>	Date	13/1/05
Authorisation issued by	Name		Date	

Area Customer Contact Team

Authorisation / Revocation / Variation posted (NB. 1st class recorded on date document signed).	13/01/2005
Copy of Authorisation / Revocation / Variation placed on Public Register	13/01/2005

Authorisation issued within four month determination period	Yes / No
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AUTHORISATION NO.

GWN 3209



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

GROUNDWATER REGULATIONS 1998**REGULATION 18(4)****NOTICE OF VARIATION OF AUTHORISATION**

TO: Mr. O. T. Owen
Glyn Uchaf
Tyn y Groes
Conwy
LL32 8TL

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: Glyn Uchaf, Tyn y Groes, Conwy, LL32 8TL

TO: Land shown on the attached plan GWN 3209

with respect to Authorisation No. **GWN 3209** issued on the 28th day of June 2004

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

GWN 3209 01 Disposal of Spent Sheep Dip

The authorisation is varied for the following reasons:

The Disposal area has been relocated to an area of land centred at SH 76721 72463.

Dated this 14th January 2005

Signed

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 3209
SCHEDULE NO.	GWN 3209 01
DATE ISSUED	14 TH JANUARY 2005

CONDITIONS OF AUTHORISATION OF DISPOSAL

Disposal of Spent Sheep Dip ("the Disposal")

FROM : Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL

GENERAL

1. The disposal shall consist only of spent sheep dip, derived from use at **Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL** 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) 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) 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 an area of land** centred at:
 - (a) National Grid Reference **NGR SH 76721 72463**
 - (b) As shown marked on the attached Plan **GWN 3209** (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.

AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

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 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 2 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.

AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

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 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 14th January 2017.

AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

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

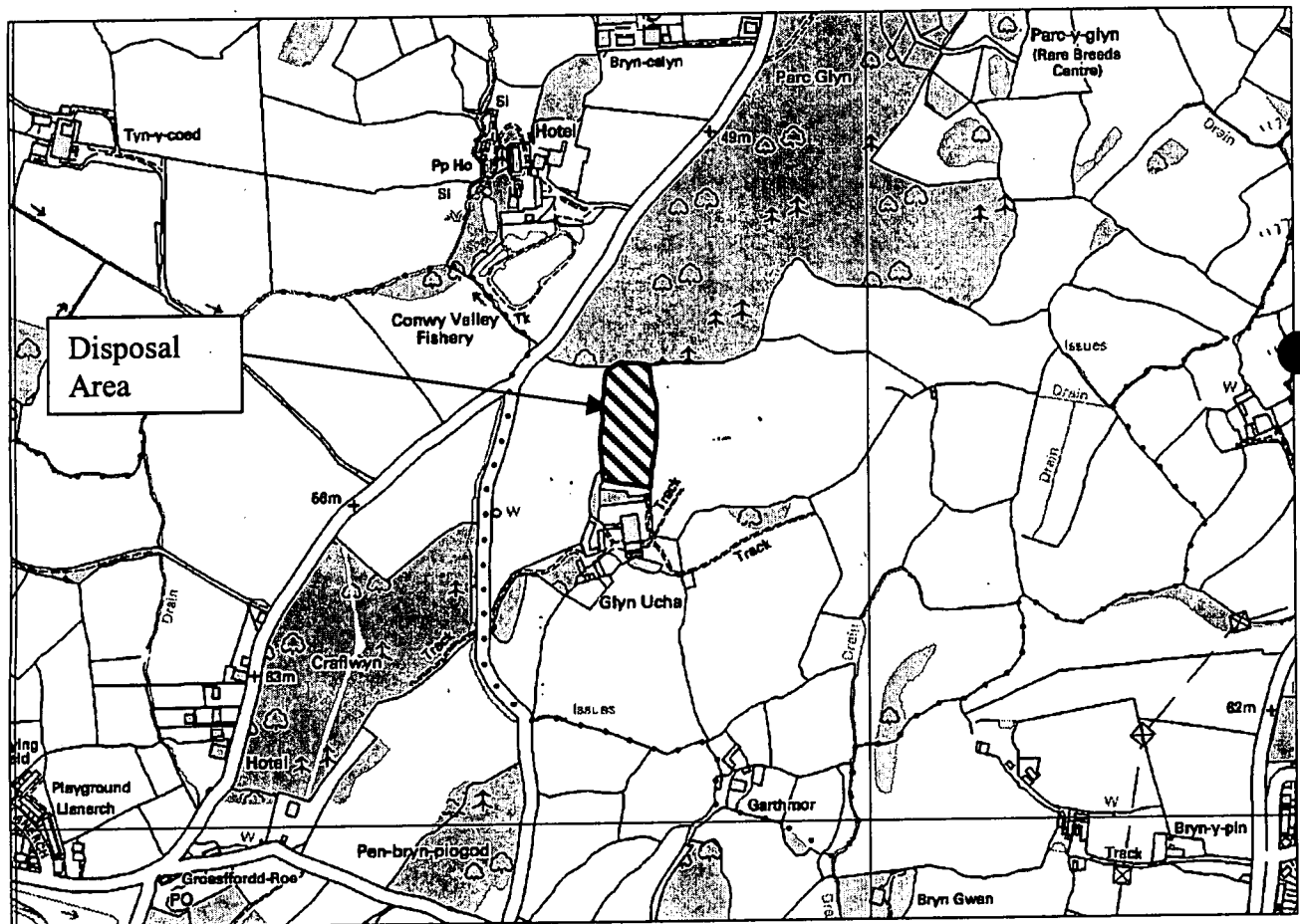
Zinc	Antimony	Uranium
Copper	Molybdenum	Vanadium
Nickel	Titanium	Cobalt
Chromium	Tin	Thallium
Lead	Barium	Tellurium
Selenium	Beryllium	Silver
Arsenic	Boron	

- 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 3209
SCHEDULE NO.	GWN 3209 01

ANNEX 2

PLAN GWN 3209



NOT TO SCALE

AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

ANNEX 3 – GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL permitted by Authorisation Number GWN 3209

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^3/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						

AUTHORISATION NO.

GWN 3209



ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

GROUNDWATER REGULATIONS 1998**REGULATION 18(4)****NOTICE OF VARIATION OF AUTHORISATION**

TO: Mr. O. T. Owen
Glyn Uchaf
Tyn y Groes
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FROM: a sheep dip facility

AT: Glyn Uchaf, Tyn y Groes, Conwy, LL32 8TL

TO: Land shown on the attached plan GWN 3209

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

GWN 3209 01 Disposal of Spent Sheep Dip

The authorisation is varied for the following reasons:

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Dated this 14th January 2005

Signed

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 3209
SCHEDULE NO.	GWN 3209 01
DATE ISSUED	14 TH JANUARY 2005

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Disposal of Spent Sheep Dip ("the Disposal")

FROM : Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL

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3. The disposal shall be made by application **onto an area of land** centred at:
 - (a) National Grid Reference **NGR SH 76721 72463**
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AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

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AUTHORISATION NO.	GWN 3209
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EXPIRY DATE

14. The Authorisation shall cease to have effect on 14th January 2017.

AUTHORISATION NO.	GWN 3209
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ANNEX 1.

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- Mercury and its compounds
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- Cyanides

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- The following metals and metalloids and their compounds

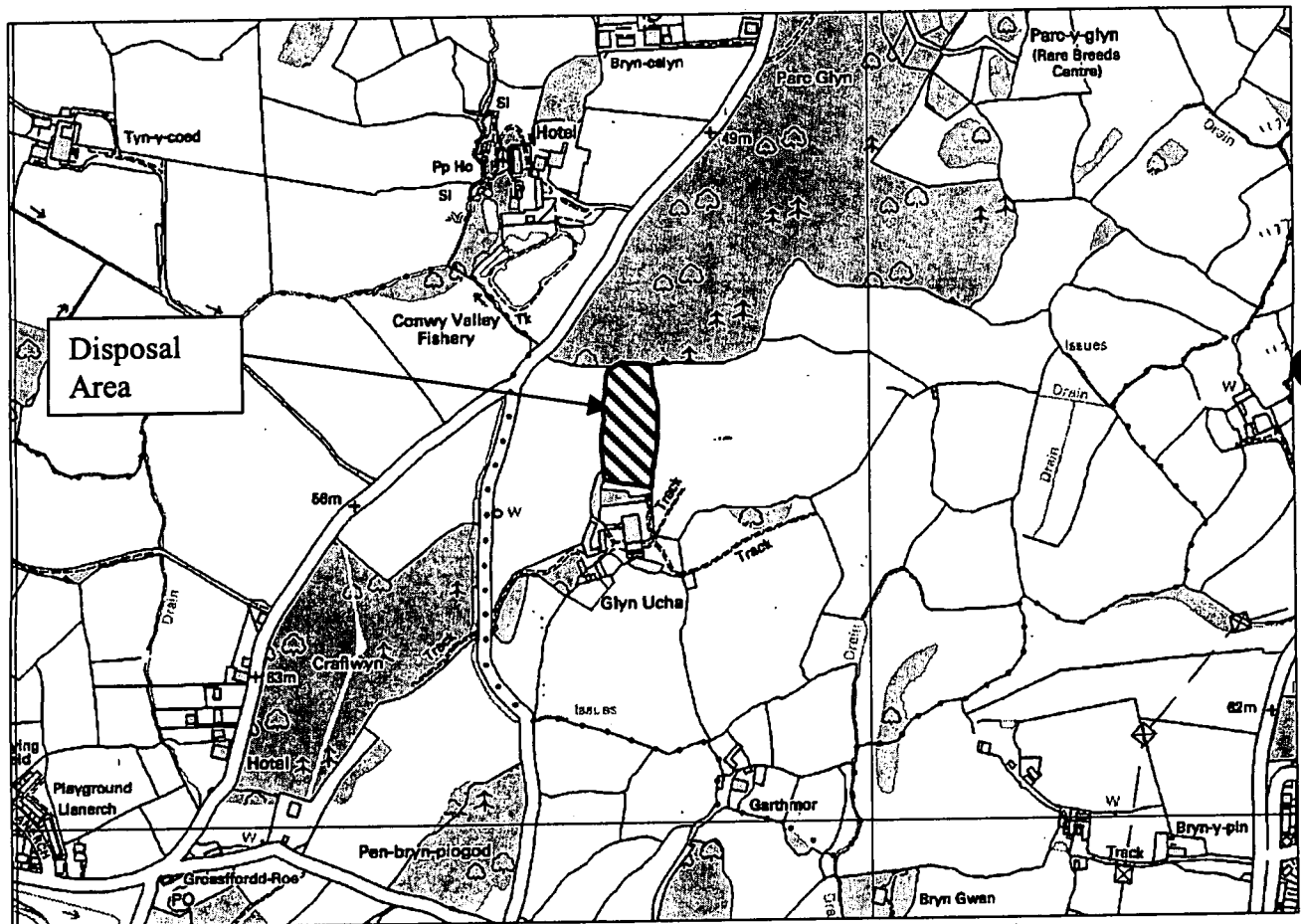
Zinc	Antimony	Uranium
Copper	Molybdenum	Vanadium
Nickel	Titanium	Cobalt
Chromium	Tin	Thallium
Lead	Barium	Tellurium
Selenium	Beryllium	Silver
Arsenic	Boron	

- 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 3209
SCHEDULE NO.	GWN 3209 01

ANNEX 2

PLAN GWN 3209



NOT TO SCALE

AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

ANNEX 3 – GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL permitted by Authorisation Number GWN 3209

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 ³ /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						

Our Ref: GWN 3209
Your Ref: GWN 3209



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Date: 14th January 2005

Mr. O. T. Owen
Glyn Uchaf
Tyn y Groes
Conwy
LL32 8TL

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 **Glyn Uchaf, Tyn y Groes**, because:

- 1. The Disposal area has been relocated to an area of land centred at :
SH 76721 72463**

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



Our Ref: GWN 3209
Your Ref:



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Date: 28th June 2004

Mr Owen Tomas Owen
Glyn Uchaf
Tyn Y Groes
Conwy LL32 8TL

Dear Sir,

GROUNDWATER REGULATIONS 1998

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

GWN 3209
Mr Owen Tomas Owen
Glyn Uchaf, Tyn Y Groes,
Conwy LL32 8TL

I am writing to inform you that your application for a Groundwater Authorisation has now been approved. You have been given Authorisation Number GWN 3209 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 **Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL** 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 28th June 2016. It is your responsibility to ensure that you contact us a reasonable time prior to the end date of your Authorisation if you wish to continue to dispose of spent sheep dip at **Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL**. 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.





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

- Your application states that you intend to use a vacuum tanker to spread the spent sheep dip onto land. This 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 ration 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.
- 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.

There will be no annual charge for four years from the effective date of your authorisation.

I hope that this letter gives you enough information about the legal requirements of disposing spent sheep dip 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 4024 at the address below.

Yours faithfully

Dean Roden
Regulatory Officer 1 (Water Quality)



AUTHORISATION NO.

GWN 3209



**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: Mr Owen Tomas Owen
Glyn Uchaf
Tyn Y Groes
Conwy LL32 8TL**

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: Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL

TO : land as shown on the attached plan GWN 3209

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

Spreading onto land schedule ref. no GWN 3209 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 28th day of June 2004

Signed.....

**SIÂN OWENS
Environment Management Team Leader**

Asiantaeth yr Amgylchedd Cymru
Parc Menai, Ffordd Penlan, Bangor, Gwynedd, LL57 4DE. Ffon: 01248 670770 Ffacs: 01248 670561

Environment Agency Wales
Parc Menai, Penlan Road, Bangor, Gwynedd, LL57 4DE. Tel: 01248 670770 Fax: 01248 670561



AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01
DATE ISSUED	28 TH JUNE 2004



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONDITIONS OF AUTHORISATION OF DISPOSAL

Disposal of Spent Sheep Dip ("the Disposal")

FROM : Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL

GENERAL

1. The disposal shall consist only of spent sheep dip, derived from use at **Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL** 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) 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) 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 an area of land** centred at:
 - (a) National Grid Reference NGR SH 7675 7227
 - (b) As shown marked on the attached Plan GWN 3209 (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.



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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 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 2 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.



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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 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 28th June 2016.



AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01



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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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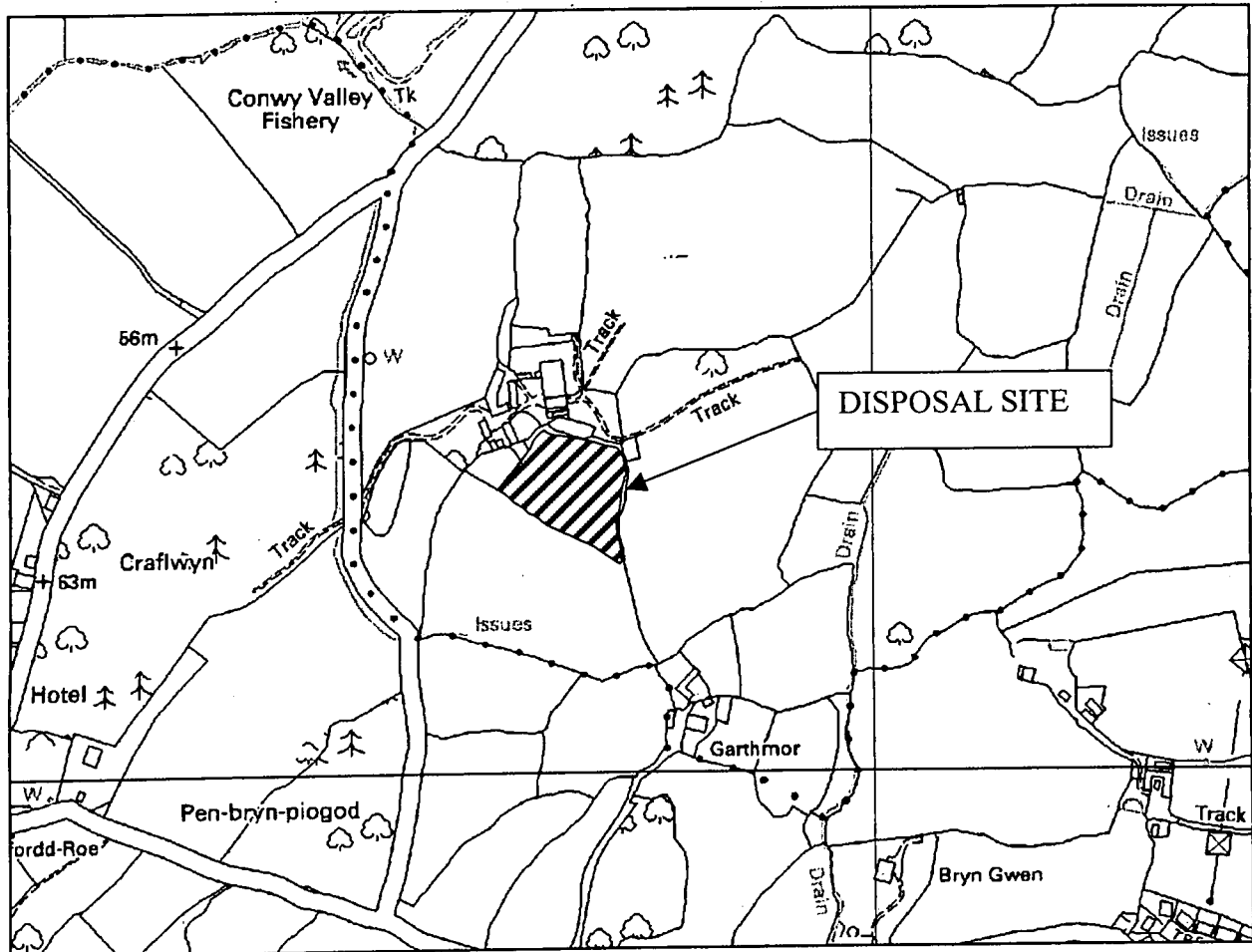
AUTHORISATION NO.	GWN 3209
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ANNEX 2

PLAN GWN 3209



NOT TO SCALE



AUTHORISATION NO.	GWN 3209
SCHEDULE NO.	GWN 3209 01

ANNEX 3 -- GROUNDWATER REGULATIONS 1998

Record of Sheep Dip Disposal Activities at Glyn Uchaf, Tyn Y Groes, Conwy LL32 8TL permitted by Authorisation Number GWN 3209

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 ³ /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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Form GW1: Application for a groundwater authorisation

For Environment Agency use only

Application reference number

Date received

Fee received

GLW 3209

31/03/2004

31/03/2004


**ENVIRONMENT
AGENCY**

Application for a groundwater authorisation

Water quality

Groundwater Regulations 1998 (Regulation 18 Authorisation)

Part A**Before you fill in this application form**

Before you start filling in your answers, please read through the whole form, as well as the information on the folder which came with the form, and the background notes on *Applying for a groundwater authorisation*.

Once you start to fill in your application, the notes next to the questions will help you provide the information we need to assess your application.

If you need help and advice

We have made the form as straightforward as possible. But please contact us if you need advice on how to set out the information we need.

Please get in touch with us on 0845 933 3111 or

- the number on the letter that came with this form or
- the number of the nearest regional office listed on the folder.

If you send in an application with information missing or incomplete, your application may be delayed.

Why you need to apply for a groundwater authorisation

Anyone who wants to dispose of listed substances to ground must get permission (*authorisation*) from the Environment Agency.

It is illegal to make a disposal without an authorisation.

To apply for an authorisation, please send us the completed application form and

- a map showing the location of the disposal site
- a plan of the disposal area
- the appropriate application fee.

If we need to ask you for more information about your application, we will get in touch by phone or letter.

Which parts of the form you need to fill in

Everyone has to fill in Parts A and B, and finally Part F at the end of the form. The other parts you have to fill in depend on the substances you plan to dispose of. (If you want to dispose of several substances you might need to fill in more than one of these parts.)

To apply for an authorisation to dispose of

- Used sheep dip – fill in Part C
- Waste pesticide and pesticide washings – fill in Part D
- Other agrochemicals – fill in Part E

If you plan to dispose of substances on more than one part of the site, you must fill in one copy of Part B for each disposal area. Please take copies of Part B before you start filling it in.

Charges for disposal

You have to pay us a fee for processing this application. There may also be a separate annual charge based on the substances you are disposing of. The leaflet *Applying for a groundwater authorisation* gives details of the fees and charges you have to pay.

If you are not sure what fee you should pay, please contact us.

A1 Authorised contact

This part asks for details of the applicant(s) so that we can issue an authorisation to the correct person or groups of people.

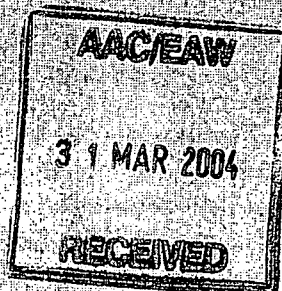
A1.1 Please give us details of the person we can phone or write to with questions about this application.

This can be the applicant or someone acting as an 'agent' for the applicant.

Full name	MR OT OWEN
Position	FARMER / OWNER
Business address	GLYN UCHAF TŷN Y GROES CONWY, SIR CONWY Postcode LL32 8TL
Phone	01492 650 453
Fax	
Email	

A1.2 Status of contact

- ☒ applicant
☐ agent



C lock

A2 The applicant

Note

The applicant should be the person(s) who take(s) responsibility for the safe disposal of the waste substance. If you are not sure who should apply, and whose name should appear on the authorisation, please discuss it with us.

A2.1 Is the applicant an individual, a group of individuals (or partnership) or a company/corporate body?

- ☐ An individual (for example home owner, sole trader) go to question A2.2
- ☐ A group of individuals or partnership go to question A2.3
- ☐ A company or corporate body go to question A2.5

Individuals

A2.2 Please give the following details

Full name

MR OWEN TOMOS OWEN

Trading or business name (if there is one)

OT OWEN

Address

GLYN UCHAF

TYN Y GROES

CONWY, SIR CONWY

Postcode LL32 8TL

Contact numbers

Phone

01492 650 453

Fax

Email

Now go to question A2.6

Groups of individuals or partnerships

Note

Please give details of each person applying to hold an authorisation.

One authorisation can be issued to several individuals, so we need details of each person.

Each person named as an applicant must also sign Part F of this form.

A2.3 Who in the group or partnership is applying for the authorisation?

Continue on separate sheets if you need to.

Individual or partner

Full name

Job title

Business address

Postcode

A2 The applicant continued

Individual or partner

Full name

Job title

Business address

Postcode

Individual or partner

Full name

Job title

Business address

Postcode

Individual or partner

Full name

Job title

Business address

Postcode

A2.4 Please give us details about the group of individuals or partnership.

If the application is from a formal partnership, please provide written evidence, such as a deed of partnership.

Trading or business name of partnership if there is one

Business address

Postcode

Contact numbers

Phone

Fax

Email

Now go to question A2.6

A2. The applicant continued

Companies or other corporate applicants

A2.5 Please give the following details

For applications from companies please provide written evidence of registration.

☐ Registered company

Company registration number

☐ Other, please give details

Full name of company or corporate body

Trading/business name (if different)

Job title of responsible person

Registered office address

Postcode

Main office address (if different)

Postcode

Contact name and numbers

Name
Job title
Phone
Fax
Email

Address for correspondence

A2.6 Where do you want us to send the authorisation, and any future correspondence?

Full name	MR OWEN TOMOS OWEN
Position	FARMER
Address	GLYN UCHAF
	TYN Y GROES
	CONWY, GIL CONWY
	Postcode LL32 8TL

Now please fill in Part B and the other parts of the form we have sent you, then sign and date the form in Part F.

- Everyone must fill in this part of the application form.

B1 Location of the disposal site

B1.1 Please give the address of the disposal site.

Address	GLYN UCHAF
	TYN Y GROES
	CONWY, SIR CONWY
Postcode	LL32 8TL

B1.2 Where the disposal site does not have an address, please describe its location.

For example, 'field at end of village lane'

CAE TY

Maps

B1.3 Please supply a map of the site.

We need this map to be able to locate the site easily.

Note

For the map of the site, you can use a street or road atlas, or an Ordnance Survey map at 1:50 000 or 1:25 000 scale. These maps are available in your local library or bookshop.

The map should show the location of the site in relation to villages, towns or other landmarks.

B2 Disposal area

Note

You must fill in a copy of Part B for each disposal area you plan to use. If you are applying to dispose of substances on more than one area, please take photocopies of the part before you start filling it in. You normally only have to pay one fee for processing an application. However, you may have to pay more than one fee if your application for more than one disposal area involves a significant amount of additional work to assess the risk to the different areas. If we require more than one fee, we will let you know before continuing with the assessment.

B2.1 Please supply a plan of each disposal area on the site.

The plan should show:

- the boundaries of the disposal area
- the ownership/tenancy boundaries (i.e. areas under your control) – this is in case we need to suggest an alternative disposal area.
- water and land features – the following questions ask about these features.

Note

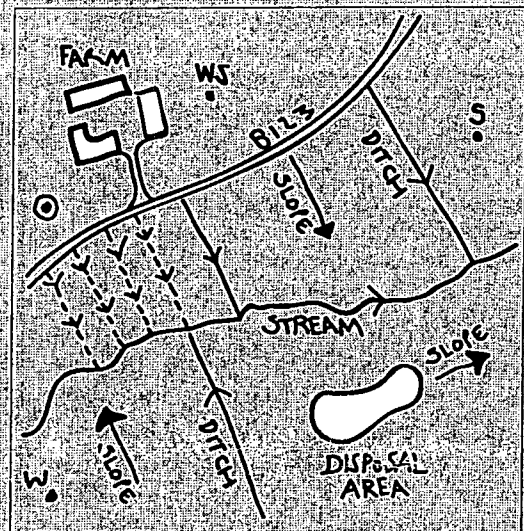
For the plan of the area, you could use Ordnance Survey maps at scales of 1:1 250 to 1:2 500 scale or a copy of an IACS map.

The plan will be used as the basis for an authorisation, so it must be as clear as possible.

Use the marks suggested in the column below. This will make the features of the site clearer and help us make our assessment.

Key features

We suggest that you use the following marks to identify the features of your land in this part.



DISPOSAL AREA



STREAM OR DITCH



UNDER OR LAND DRAINS



SOAKAWAY



DIRECTION OF DOWNHILL SLOPE



WATER SOURCE OR SUPPLY



SPRING



WELL OR BOREHOLE

B2 Disposal area continued

B2.2 Please give the Ordnance Survey national grid reference for the disposal area.

A grid reference is not the same as a field number.

For example, ST 12 34

61 76 72

Note

How to find your grid reference

You can find Ordnance Survey maps at bookshops and libraries.

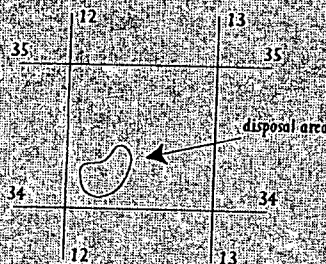
To work out the grid reference of your disposal area to the nearest kilometre square

- read the two letters identifying the 100 000 metre square (this will be noted on the front cover of the 1:25 000 scale maps, and will be marked in blue letters in the corners of the 1:50 000 scale maps for example ST

- locate the first vertical grid line to the left of your disposal area, and read the numbers labelling the line either on the top or bottom margin of the map for example ST 12

- locate the first horizontal grid line below your disposal area and read the numbers labelling the line either on the left or right margin of the map for example ST 12 34

Your disposal area can then be easily located within that grid square.



Grid reference = ST 12 34

B2.3 Does the disposal area have a field number?

You may find the field number on an IACS map or an Ordnance Survey Landlines map, 1:1 250 or 1:2 500 scale.

No ☐ Don't know ☐

Yes ☒ please give the number

7120

B2.4 How big is the disposal area?

Please give dimensions in metres or the area in hectares.

3.2

B2 Disposal area continued

B2.5 Please describe the nature of the disposal area.

Note

Suitable disposal areas are those which do not pose a pollution risk to groundwater or surface water. They are likely to

- have established vegetation
- be of low wildlife value
- have a good depth of topsoil for example greater than 20cm (8 inches)
- be distant from streams and ditches at least 10m away
- be downhill of springs and wells at least 50m away

Soakaways are NOT suitable disposal areas.

- ☒ field
- ☐ hardstanding or yard area
- ☐ other please give details

B3 Local environment

Water features near the disposal area

B3.1 What is the source of your water supply?

Please make sure that your plans show the location of all sources ticked below (except mains water). Use the 'Key features' shown on page 4.

- ☐ mains water ☐ well
- ☐ borehole ☐ spring
- ☐ surface water for example stream, river

B3.2 Are there any other non-mains water supplies within 500m of your disposal area?

Note

It is important that you take the time to find out whether there are other non-mains supplies in the locality, as they may be affected by your disposal activity. For example sources used by your neighbours.

Please make sure that your plans show the location of all sources ticked below. Use the 'Key features' shown on page 4.

- No ☐ Don't know ☒
- Yes ☐ please tick all that apply

- ☐ well
- ☐ borehole
- ☐ spring
- ☐ surface water for example stream, river

B3.3 Identify all local water features within 500m of your disposal area(s) on your plan.

Please show all wells, springs, boreholes, streams, ditches, ponds, wetlands, even if they are not used for drinking water supply. Use the 'Key features' shown on page 4.

