

Eich cyf/Your ref:
Ein cyf/Our ref: IH/LM/CG0397801
Enquiries: Laura Murphy (Ext 4585)
Dyddiad/Date: 11th January 2002



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Environment Quality Scientist
Dwr Cymru Cyf
Pentwyn Road
Nelson
Treharris
Mid Glamorgan CF46 6LY

COPY

Dear Sir/Madam,

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE TRADE EFFLUENT (FILTER BACKWASH EFFLUENT) BY DWR CYMRU CYF FROM PREMISES AT GWASTADGOED WATER TREATMENT WORKS, LLWYNGWRIL.
APPLICATION NO.CG0393401.**

Further to your application the Agency has decided that consent should be given subject to conditions. I enclose the Agency's formal consent to discharge trade effluent (filter backwash effluent) from Gwastadgoed Water Treatment Works, Llwyngwril.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Notice of an appeal must be given in writing within three months of this notification and must be accompanied by a statement of the grounds of appeal.

If granted, a consent under Schedule 10 of the Act, covers water quality considerations only. It does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation. For example it does not give any right or permission to discharge where land is not owned by the applicant.

Please take careful note that if the holder of the consent changes, you must inform the Agency IN WRITING as soon as possible of the name of the new holder. This is to ensure that the rights and charges associated with the Consent are transferred to the new holder. A Certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

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



CG0397801_2006_03_02



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Iwan Thomas, Team Leader Environment Protection, Environment Agency, Ffordd Penlan, Parc Menai, Bangor, Gwynedd, LL57 4DE.

Yours faithfully,



 **Jackie Williams**
Team Leader Customer Contact & Authorisations

Enc.

CONSENT NO.	CG 0397801
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ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

COPY

TO: Environment Quality Scientist
Dwr Cymru Cyf.
Pentwyn Road
Nelson
Treharris
Mid Glamorgan CF46 6LY

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making of a discharge **OF TRADE EFFLUENT**, as follows:

TRADE EFFLUENT (FILTER BACKWASH EFFLUENT)

FROM: Gwastadgoed Water Treatment Works

AT: Llwyngwril

TO: an un-named watercourse

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

Trade Effluent (Filter Backwash Effluent)

Schedule No. CG0397801 01

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this consent is issued, other than for the purposes described in Condition 16 of the attached schedule.

This consent is issued and takes effect on the 9th day of January 2002

Signed 

SIAN OWENS
Water Quality Consents Team Leader

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

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





CONSENT NO.	CG 0397801
SCHEDULE NO.	CG 0397801 01
DATE ISSUED	9 th January 2002

CONDITIONS OF CONSENT TO DISCHARGE

Trade Effluent (Filter Backwash Effluent) ("The Discharge")

FROM: Gwastadgoed Water Treatment Works

NATURE

1. The Discharge shall consist solely of trade effluent (filter backwash effluent) arising from Gwastadgoed Water Treatment Works.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 150mm diameter pipe;
 - (b) discharging to an un-named watercourse;
 - (c) at National Grid Reference SH 5988 1028;
 - (d) shown marked 'Discharge Point' on Plan CG0397801.

SAMPLING POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 5989 1029 as shown marked 'Sampling Point' on Plan CG0397801 attached as Annex 1 so that a representative sample of the Discharge may be obtained. The consent holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.



CONSENT NO.	CG 0397801
SCHEDULE NO.	CG 0397801 01



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Environment
Agency Wales**

VOLUME

4. The volume of the Discharge shall not exceed 41 cubic metres per day.

COMPOSITION

5. The Discharge shall not contain more than:
- (i) 100 milligrammes per litre of suspended solids (measured after drying at 105°C);
 - (ii) 0.05 milligrammes per litre of total available Chlorine;
6. (a) If it is intended to use polyelectrolyte or any other settling aid, the Agency must be given at least 14 days prior notice, together with all required information, and the Agency's approval in writing must be obtained before use commences.
- (b) The Agency will only permit the use of anionic or non-ionic polyelectrolytes.
7. The Discharge shall have a pH of between 6 and 9.

WORKS OPERATION

8. The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the Discharge made from the works on controlled waters.

This condition does not require -

- (a) any higher standard to be achieved in relation to any characteristic of the Discharge which is specifically regulated by conditions 5 and 7 than is required by that condition;



CONSENT NO.	CG 0397801
SCHEDULE NO.	CG 0397801 01



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Agency Wales**

- (b) any alteration of the works or a change in the type of treatment used.

UNAUTHORISED DISCHARGES

9. (a) A Discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.
- (b) A Discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.
- (c) Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under Section 87 of the Water Resources Act 1991.

FLOW MEASUREMENT

10. A continuous flow recorder, to a specification provided by the Agency, with on-site visual display from which readings can be readily obtained, shall be provided, and operated to record the daily volume and instantaneous flow of the discharge.
11. As soon as practicable after completion of the flow recorder installation the Consent Holder shall employ an independent expert to certify that the installation complies with the Agency's specification. The Consent Holder shall satisfy himself as to the professional competence of the expert. A copy of the certifier's report shall be provided to the Agency when it is available.
12. Records of the flow readings shall be maintained by the Consent Holder and shall be provided to the Agency when requested, in a format specified by the Agency.
14. The Consent Holder shall produce and maintain a quality control manual, to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow recorder. The flow recorder shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the manual. The Consent Holder shall keep a record of these procedures available for inspection by the Agency and provide a copy to the Agency on request.



CONSENT NO.	CG 0397801
SCHEDULE NO.	CG 0397801 01



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14. The Consent Holder shall record all failures of the continuous flow recorder and any other breaks in the flow record. The reasons for these failures and breaks shall be recorded and all steps taken to prevent a re-occurrence. The Consent Holder shall ensure that as far as possible the recorder remains fully operational at all times. Any failures shall be remedied as soon as possible.
15. Flows of the discharge through the treatment work shall be measured at the discharge pipe at National Grid Reference SH 5989 1029.

HABITATS DIRECTIVE "EARLY REVIEW"

16. The Agency may alter any of this Consent at any time within 4 years of the date of issue for the purposes of the Conservation (Natural Habitats & c.) Regulations 1994 as amended.



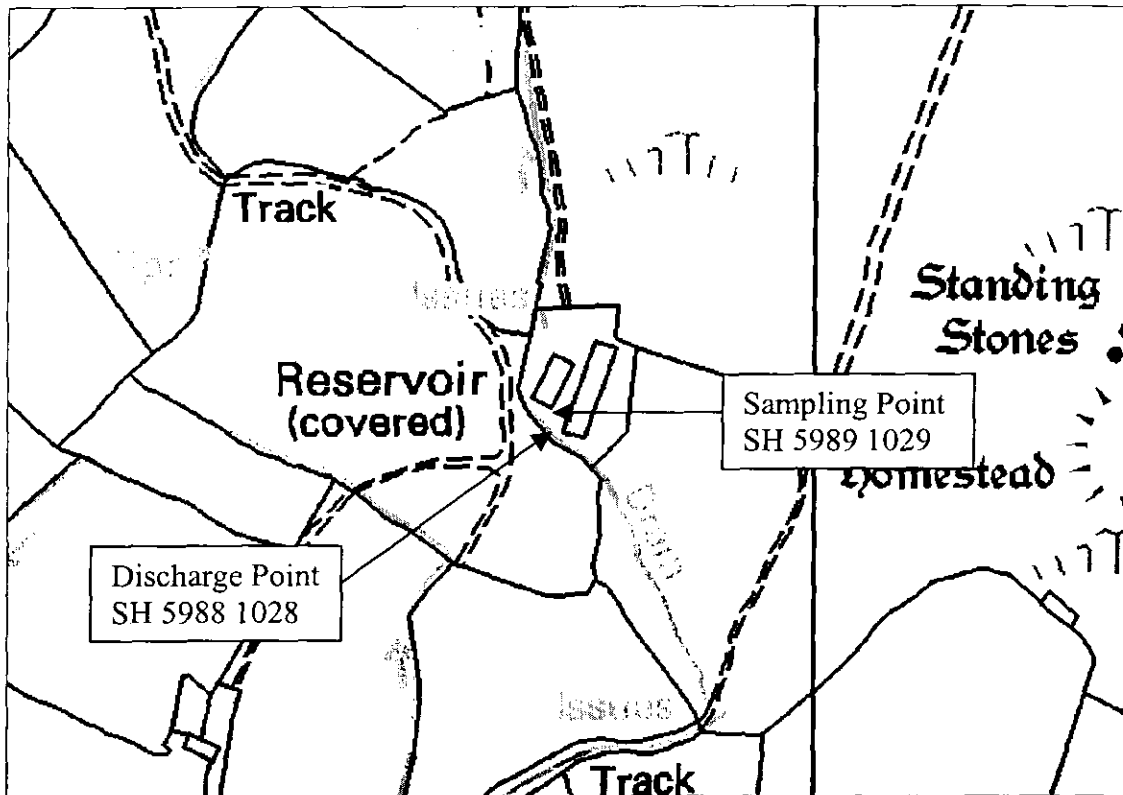


ASiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales

CONSENT NO.	CG 0397801
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Annex 1

Plan CG 0397801



NOT TO SCALE



Eich cyf/Your ref.

COPY



PK
ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Ein cyf/Our ref. SH/IH/CG0397801

Dyddiad/Date: 13th November 2001

Lucy Kay
CCW,
North West Area,
Llys y Bont,
Ffordd y Parc,
Parc Menai,
Bangor,
Gwynedd,
LL57 4BH

Dear Lucy Kay,

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE TRADE EFFLUENT BY DWR CYMRU CYF FROM GWASTADGOED WATER TREATMENT WORKS
APPLICATION NO: CG0397801**

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf and Appendix 11. If you have any comments regarding this application could you please respond by 27th November 2001.

Yours sincerely

PP L Murphy

LISA EAGLE
Team Leader Customer Contact & Authorisations

Please ask for Laura Murphy Ext 4585

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



COPY

APPENDIX 11 Form HR01: Proforma for new applications within Stage 2 criteria.		 ENVIRONMENT AGENCY
<i>Environment Agency Record of Assessment of Likely Significant Effect On A European Site (Stage 2)</i>		
The new application for a <i>please fill in details</i> detailed below is within the Stage 1 criteria of <i>please fill in details</i>, and in order to progress the application a Stage 2 assessment and consultation with EN/CCW is required.		
PART A <i>To be completed by relevant technical/project officer in consultation with Conservation/Ecology section and EN/CCW</i>		
1. Type of permission/activity:	Water Resources Act (1991) (as amended by Environment Act 1995), consent to discharge trade effluent, 41 m3/day	
2. Agency reference no:	CG 0397801	
3. National Grid reference:	SH 5988 1028	
4. Site reference:	<i>Gwastadgoed Water treatment works</i>	
5. Brief description of proposal:	<i>Installation of Cryptosporidium membrane filters at the plant, to improve drinking water quality, will undergo periodic backwashing with drinking water quality water.. This backwash is disinfected, then treated to neutralise the chlorine and pH before discharge.</i>	
6. European site name(s) and status:	Pen Llyn a'r Sarnau (SAC)	
7. List of interest features:	1.10 Coastal habitats – coastal lagoons 1.12 Estuarine and intertidal habitats – estuaries, large shallow inlets and bays, atlantic salt meadows, mudflats and sandflats not covered by seawater at low tide. 1.13 Submerged marine habitats – reefs, sandbanks which are slightly covered by seawater all the time, submerged or partially submerged sea caves. 2.6 Non-migratory fish and invertebrates of rivers – lampetra fluviatilis (river lamprey) 2.9 Mammals of riverine habits – lutra lutra (otter) 2.12 Marine mammals – halichoerus grypus (grey seal), tursiops truncatus (bottlenose dolphin)	

8.	Is the proposal directly connected with or necessary to the management of the site for nature conservation?	No	
9.	What potential hazards are likely to affect the interest features? (Refer to relevant sensitivity matrix and only include those to which the interest features are sensitive). Are the interest features potentially exposed to the hazard?		
	Sensitive Interest Feature:	Potential hazard:	Potential exposure to hazard and mechanism of effect/impact if known:
	1.10 Coastal habitats	none	n/a
	1.12 Estuarine and intertidal habitats	a,b,d,e,f,g,h	none
	1.13 Submerged marine habitats	a,b,d,e,g,h	none
	2.6 Non-migratory fish and invertebrates of rivers	a,b,c,d,e,g,h	none
	2.9 Mammals of riverine habitats	a,b,c,d,e,g,h	none
	2.12 Marine mammals	a,e,g	none
10.	Is the potential scale or magnitude of any effect likely to be significant?		
	a) Alone? (explain conclusion, e.g. in relation to de minimus criteria)	No Based on available information.	
	b) In combination with other plans or projects? (Explain conclusion and which plans/projects have been included, including those associated with other functions).	No	
11.	Conclusion: Is the proposal likely to have a significant effect 'alone or in combination' on a European site? (justification – attach any relevant supporting information)	No The discharge results from the removal of cryptosporidium from drinking water supplies. The membrane filters are backwashed using water of drinking water quality, then treated with acidic hypochlorite to disinfect. This is then treated with caustic soda and metabisulfite to neutralise the chlorine and pH (with treatment monitored to ensure correct neutralisation) before discharge.	
12.	Name of EA Officer:	Iwan Hughes	Date: 9.11.01

APPENDIX 11***Stage 2*****FORM HROI PROFORMA**

13. EN/CCW comment on assessment:		
14. Name of EN/CCW Officer:		Date:
IF THE PROPOSAL IS LIKELY TO HAVE A SIGNIFICANT EFFECT AN APPROPRIATE ASSESSMENT WILL BE REQUIRED (see part B for suggested scope).		

Part B - SUGGESTED SCOPE OF THE APPROPRIATE ASSESSMENT

•

15. EN/CCW Comment on scope of appropriate assessment:

16. Name of EN/CCW Officer:

Date:

Water Resources Act 1991
as amended by the Environment Act 1995
Consents to Discharge
Certificate of Holder



ASiantaeth Yr
AMGylchedd Cymru
ENVIRONMENT
AGENCY WALES

Part A DWR CYMRU CYFYNGEDIG

To: PENTWYN ROAD

NELSON

TREHARRIS

CF46 6LY

NB: For a body corporate the job title is a point of contact.

Holder Start Date: 09/01/02

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent **CG0397801** Consent Issued: **09/01/2002**

Nature of Discharge(s); **TFBB Trade - Filter Backwash - Batch**

at **SH5988010280 GWASTADGOED WTW MEMBRANE PLANT**

Note: This certificate should be kept with the consent document for future reference. If you transfer responsibility for the discharge to somebody else you must pass the consent to them and tell the Agency within 21 days. **Responsibility for the consent cannot be disclaimed by the holder but the registration of holder may be transferred to a successor.** To do this please complete the form below, then tear it off and return it to the address shown. If you fail to transfer the consent, even though you are no longer on the site, you may still be liable for prosecution for pollution. If you transfer the consent but do not tell us, you will be committing an offence. In case of any queries please contact your local Environment Agency office.

cut here

Part B Please complete in block capitals or type.

To:

Water Resources Act 1991: Notice of transfer of consent to discharge

Consent **CG0397801**

Name: DWR CYMRU CYFYNGEDIG

Consent Issued: 09/01/2002

Address: PENTWYN ROAD

NELSON

TREHARRIS

CF46 6LY

I/We* hereby serve notice on the Agency that I/we* am/are* no longer a/the* Holder of the above consent which will be/was* transferred to:

* delete as appropriate

Name(s) of new holder(s):

Address:

Post Code:

Date of Transfer to new Holder(s);

Signed:..... **Dated:**

Name (block capitals):..... **Position:**



Rhan A

At: DWR CYMRU CYFYNGEDIG
PENTWYN ROAD
NELSON
TREHARRIS
CF46 6LY

DS: I gorff corfforedig mae teitl y swydd yn bwynt cysylltu.

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai/bod y sawl a enwyd uchod yw/yn ddaliwr cofrestredig uy caniatâd

CG0397801

Cyhoeddwyd Caniatâd: 09/01/2002

Natur y gollwng:
yn

TFBB Trade - Filter Backwash - Batch

~~SH5988010280 GWASTADGOED WTW MEMBRANE PLANT~~

Nodyn: Dylid cadw'r dystysgrif hon gyda'r ddogfen ganiatâd i gyfeirio ati yn y dyfodol. Os byddwch yn trosglwyddo cyfrifoldeb y gollwng i rywun arall, rhaid i chi gyflwyno'r caniatâd iddo ef neu hi a dweud wrth yr Asiantaeth cyn pen 21 diwrnod. Ni all y daliwr wadu cyfrifoldeb y gollwng, ond gall cofrestriad y daliwr gael ei drosglwyddo i olynnydd. I wneud hynny, byddwch cystal â llenwi'r ffurflen isod, ei datgysylltu a'i dychwelyd i'r cyfeiriad a nodir. Os methwch drosglwyddo'r caniatâd, hyd yn oed os nad ydych ar y safle mwyach, gallwch fod yn agored yr un fath i gael eich erlyn am lygru. Os trosglwyddwch y caniatâd ond heb ddweud wrthom, byddwch yn cyflawni trosedd. Os bydd gennych ymholiadau, byddwch cystal â chysylltu â swyddfa Asiantaeth yr Amgylchedd yn lleol.

Rhan B Llenwch mewn priflythrennau bras neu deipio.

At:

Deddf Adnoddau Dwr 1991: Hysbysiad am drosglwyddo caniatâd gollwng

Caniatâd:

CG0397801

Enw:

Cyfeiriad: DWR CYMRU CYFYNGEDIG

Cyhoeddwyd Caniatâd: 09/01/2002

PENTWYN ROAD

NELSON

TREHARRIS

CF46 6LY

Yr wyf fi/Yr ydym ni* drwy hyn yn hysbysu'r Asiantaeth nad fi/ni/nad wyf/ydym mwyach yw/yn*. Ddeiliad y caniatâd uchod. Caiff/Cafodd hwnnw ei drosglwyddo i:

*dilewch yn ôl yr angen

Enw(au) y Daliwr/Dalwyr newydd:

Cyfeiriad:

Cod Post:

Dyddiad Trosglwyddo i'r Daliwr/Dalwyr newydd:

Llofnodwyd:..... Dyddiedig:

Enw Enw (priflythrennau bras):..... Safle:



Pub Reg



DŴR CYMRU
WELSH WATER

Dinas, Llanwnda
Caernarfon
Gwynedd LL54 5UD

Ffôn: 0800 052 0130
Ffacs: +44 (0)1286 832 923
Safle gwe: www.dwrcymru.com

Dinas, Llanwnda
Caernarfon
Gwynedd LL54 5UD

Tel: 0800 052 0130
Fax: +44 (0)1286 832 923
Web site: www.dwrcymru.com

Ms Sian Owens
Consents Regulation Manager
Environment Agency
Chester Road
Buckley
Flintshire
CH7 4AJ

RECEIVED
25 OCT 2001
BUCKLEY

Dyddiad/Date:
23 October 2001

Ymholiadau/Enquiries:
T.P. Woodward
Tel: 01286 832094

Ein Cyf./Our Ref
Gwastadgoed WTW

Eich Cyf./Your Ref:

Dear Madam

Re: Gwastadgoed WTW Consent - Membrane Backwash Water Effluent

Please find enclosed application form for the above with supporting documentation and fee. You have previously indicated the maximum rate of discharge that the Agency is likely to require and we have indicated that requirement in this application.

If you have any queries please contact me.

Yours sincerely

A. R. Andrews

Tony Andrews
Environment Quality Scientist



We welcome correspondence in Welsh and English.
Rydym yn croesawu gohebiaeth yn y Gymraeg neu yn Saesneg.

United Utilities yn cydwedhio gyda Dŵr Cymru Welsh Water
i ddarparu gwasanaethau gweithredol a chymal a chadw ar
gyfer asedau dŵr a dŵr gwastraff.

Dŵr Cymru Cyt. cwmni cyfyngedig wedi'i gofrestru yng
Ngymru rhif 2366777. Swyddfa gofrestrig: Heol Pentwyn,
Nelson, Trebanis, Morgannwg Ganol CF46 6LY

United Utilities working with Dŵr Cymru Welsh Water, for
the provision of operation and maintenance services for
water and wastewater assets

Dŵr Cymru Cyt. a limited company registered in
Wales no. 2366777. Registered office: Pentwyn Road,
Nelson Trebanis, Mid Glamorgan CF46 6LY



ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for new consent/variation to an existing consent* to discharge

(* delete as appropriate)

Regional/Area Address:

DISCHARGE CONSENTS APPLICATIONS
Environment Agency Wales
Chester Road
Buckley
Flintshire CH7 3AJ

Official Use Only

Dist/Area Ref:

Application No. CG0397801

Date Received: 25/10/01

Fee Received: £661.00

Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all the relevant sections and provision of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

NOTE:

All information contained within this application will be made available on the public register unless there is a request to withhold any of it. Any such request should provide a full justification stating why the information needs to be withheld.

25 OCT 2001
£661.00
GR.

1 SITE ADDRESS

1.1 Address or other sufficient description of land or premises to which this application applies.

GWASTADGORD WATER TREATMENT WORKS.
LLWYNGWRIL
GWYNEDD

Post Code:

LL37 2QR.

2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:-

Sewage Effluent - volume of 5 cubic metres per day or less ☐

Sewage Effluent - volume greater than 5 cubic metres per day (**complete annexe 1**) ☐

Sewage Effluent discharged under storm or emergency conditions (**complete annexe 2**) ☐

Cooling Water (**complete annexe 3**) ☐

Trade Effluent (including site drainage) (**complete annexe 3**) ☒

Others (please specify) ☐

2.2 Please state the maximum quantity it is proposed to discharge in any one day

41 m³/day

Briefly state how this figure was calculated (see note ii).

BACKWASH CYCLE ANALYSIS

2.3 a) Indicate proposed means of discharge - tick as appropriate and show on plan:-
(for 1, 2 & 3 please state dimensions below)

1. Pipe ☒

4. Borehole ☐

7. Sub-Irrigation System ☐

2. Channel ☐

5. Well ☐

8. Combination of 6. & 7. ☐

3. Culvert ☐

6. Soakaway ☐

9. Other (please specify below) ☐

150mm diameter

b) National Grid Reference(s) of point(s) of discharge (see note iii).

54 / 5988 / 1028 (please indicate on accompanying plans)

2.4 a) The Agency will normally require adequate provision for the taking of samples of the discharge in a safe and convenient manner at any time. Please indicate the means proposed (see note iv) - tick as appropriate and show on plan:-

At the outlet ☐

At a manhole or sampling chamber ☐

Other (please specify)

SAMPLING TAP PROVIDED

b) National Grid Reference(s) of sampling point(s). (If different from 2.3 b) above)

54 / 5989 / 1029 (please indicate on accompanying plans)

c) What flow measurement facilities will be provided (see note v)?

Please give details.

MAGFLOW METER ON DISCHARGE PIPELINE

2.5 a) Type of Treatment Plant(s) to be used (please specify make and model) - tick as appropriate:-

Septic Tank ☐

Package Sewage Treatment Works ☐

Other ☒

POTABLE WATER TREATMENT WORKS MEMBRANE
PLANT BACKWASH.

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes) ☐ Y/N
If yes please give details.

THE WTW TREATMENT STAGES PRIOR TO THIS PLANT USES FERRIC SALTS
+ LIME TO FLOCCULATE ONTO PRIMARY FILTERS FOR COLOUR REMOVAL + LIME FOR MANGANESE
REMOVAL ON SECONDARY FILTERS + CHLORINE FOR DISINFECTION - THIS PART OF PLANT IS NOT INVOLVED IN
THIS DISCHARGE BUT RAN AWAY THE MEMBRANE PLANT IS PERIODICALLY WASHED WITH ACIDIC
HYPOCHLORITE + THE BACKWASH NEUTRALISED WITH CAUSTIC SODA + METABOLITE PRIOR TO DISCHARGE

2.6 a) On what date do you anticipate the discharge will commence?

1 / 3 / 2002

b) If you require the consent for a limited time period please give dates; from:

— / — / —

to:

— / — / —

c) If the discharge is not continuous please detail the period/circumstances when it will occur.

2.7 a) Are there any existing consents for discharge from the premises (see note vi)? ☒ Y/N

If yes, please give the reference numbers (Any further information should be given in section 5.3).

CG0178201. (1989. W. OFFICE CONSENT)

b) Has any person had a Prohibition Notice served on them in respect of this site? ☒ Y/N
If yes, please give the reference number.

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

SNOWDONIA NATIONAL PARK

3.2 Please give details of the premises - tick as appropriate:-

1. Single Dwelling ☐

6. Fish Farm ☐

2. Multiple Dwellings ☐

7. Mineral Workings ☐

3. Industrial Premises ☐

8. Water Services plc STW ☐

4. Vehicle Parking Area ☐

9. Water Supply ☒

5. Commercial Premises (please specify) ☐

10. Other (please specify) ☐

3.3 Please indicate source of the water supply - tick as appropriate:-

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Well | ☐ | 5. River (please give name below) | ☐ |
| 2. Borehole | ☐ | 6. Estuary (please give name below) | ☐ |
| 3. Precipitation (eg. rain or snow) | ☐ | 7. Coastal Water (please give name below) | ☐ |
| 4. Mains (please state water supply company) | ☐ | | |

4 DETAILS OF RECEIVING ENVIRONMENT

4.1 Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:-

- | | | | |
|--|-------------------------------------|---------------------------------|--------------------------|
| 1. Estuarial Water (tidal river or stream) | ☐ | 5. Into Land | ☐ |
| 2. River or Stream (non-tidal) | ☒ | 6. Onto Land | ☐ |
| 3. Canal | ☐ | 7. Directly into Groundwater | ☐ |
| 4. Lake, Loch or Pond | ☐ | 8. Coastal Water (see note vii) | ☐ |

State name of receiving water if known:

NOT KNOWN.

4.2 In the case of sub-irrigation systems, soakaways or boreholes:-

(a) Is any part of the system within 5 metres of the boundary of the premises? ☐ Y/N

(b) Is any part of the system within 10 metres of a watercourse? ☐ Y/N

(c) Is any part of the system within 50 metres of a borehole or spring? ☐ Y/N

(d) For wells and boreholes state dimension(s) in metres. m

(e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres. m

(f) For boreholes, state details of lining in metres:

(i) Depth of lining m

(ii) Depth of perforated lining m

(iii) Depth of unperforated lining m

(g) A percolation test must be carried out in accordance with British Standard BS6297:1983.

Have the results been provided? ☐ Y/N

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)? ☒ Y/N
If yes, please give the reasons it is not practical to connect to it (eg. distance, flow etc.).

5 DETAILS OF APPLICANT AND OTHER INFORMATION

5.1 (See general notes and note ix)

(a)	Full name and postal address of applicant. This should be the person who will become the consent holder should consent be issued.
*	DWR CYMRU CYF
*	PENTWYN ROAD
*	NELSON
*	TREHARRIS
*	MID GLAMORGAN
Post Code:	CF 46 6LY.
Daytime Telephone Number:	
Company Registration Number (if appropriate):	236677

(b)	Agent (if any) - Full name and postal address.
*	
*	
*	
*	
*	
*	
Post Code:	
Contact Name and Daytime Telephone Number:	

5.2

	Please give full name and address to which bills should be sent if different to that given above:
*	
*	
*	
*	
*	
*	
Post Code:	
Daytime Telephone Number:	

5.3 Are there any other factors to be taken into account? Please continue on a separate sheet if necessary.

--

DECLARATION

~~I/We~~:

1. apply under the Water Resources Act 1991 (as amended by the Environment Act 1995) for consent to discharge, as described in this Application. "This Application" means this page, all the other pages of this form and any attached annexes, the attached plan(s), any other sheets attached, and any other written information supplied to support the application.
2. enclose the required application fee, payable to the Environment Agency (see note x).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note xi).
4. will pay required advertising costs (see note xii).
5. confirm that ~~I/we~~* will notify the Environment Agency of any changes in the information in this application which might be material to the continuation of the consent.
6. confirm that the information given in this application and any questions which the Environment Agency may have about it is/~~will~~* be true to the best of ~~my~~/our* knowledge, information and belief and am/~~are~~* not aware of any other facts or information which might affect the granting of a consent, or conditions which might be put on it (see note xiii).
7. confirm that ~~I/we~~* will pay any annual charges due should a consent be granted YES/NO*. If no please indicate who will by completing section 5.2 above (see note xiv).

(* Delete as appropriate)

SIGNED: A. R. Andrews..... PRINT NAME: ANDREWS.....
ON BEHALF OF: DWR CYMBU CYC..... DATED: 23-10-01.....

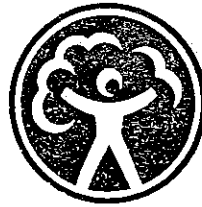
o o o

CONFIDENTIALITY

I/we apply for commercial confidentiality and enclose a full written justification (see note xv).

SIGNED: DATED:

PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE



ENVIRONMENT AGENCY

ANNEXE 1

SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

Please complete this annexe if you are proposing to discharge more than 5 cubic metres per day of sewage effluent (if the effluent is to contain a trade component Annex 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

2. Please detail the type and number of treatment units you are proposing to use.

3. Volume, rates and overflow settings. Please give volumes in cubic metres per day or litres per second as indicated below)

- a) Maximum flow to full treatment.
(see note (ii) in main guidance notes for population equivalents)
- b) Dry weather flow of discharge(s).
- c) Average daily flow.
- d) Maximum rate of discharge(s)

m³/d

m³/d

m³/d

l/s

4. Will there be provisions for storm/emergency discharges?

Y/N

If yes, please complete Annex 2.

5. a) Will any self monitoring take place?

Y/N

If yes, please give details.

b) Will automatic sampling equipment be provided?
If yes, please give details of type and location (please indicate on plan).

Y/N

6. a) Please state the maximum population served by the treatment works.

- b) Please give reasons for any variations in population eg. holiday resort, training area, seasonal industry etc. and detail the periods/times involved.

- c) Please state type of catchment/site being served eg. residential, resort, industrial etc.

7. Will a maintenance agreement be set up to manage the sewage works? (see note b)
If yes, please give details.

Y/N

8. Does the effluent contain a trade component?
If yes, please complete appropriate section on Annexe 3 for authorised discharges of trade effluent to the sewerage system.

Y/N

Notes (see also the notes attached to the main form):

- a) For significant sewage treatment plants full details of the plant design, dry weather flow and Biochemical Oxygen Demand load, along with information on all discharges from the works must be included in order for the application to be processed. Flow monitoring will normally be required for such discharges and details of siting and type of flow recorders should be provided.
- b) The Agency require a single body or company to be responsible for the discharge and any bills raised under the Charges for Discharges Scheme. Where multiple dwellings under different ownership are connected to the same system a management company should be set up.



ENVIRONMENT AGENCY

ANNEXE 2

SEWAGE EFFLUENT DISCHARGED IN STORM OR EMERGENCY CONDITIONS

Please complete this annexe if you are proposing to make a discharge of sewage in emergency or storm conditions (if the effluent is to contain a trade component then Annexe 3 should also be completed)

Official Use Only
Application No.

1. Site Name.

2. State the type of discharge - tick as appropriate:-

Storm tanks

☐

Combined Sewer Overflow from sewerage system

☐

Combined Sewer Overflow from pumping station

☐

Emergency overflow from sewerage system

☐

Emergency overflow from pumping station

☐

Other (please specify)

☐

3. For effluents discharging from sewage treatment works, is the storm/emergency effluent discharged via the same outlet as the treated effluent?

Y/N

If no please give: a) the National Grid Reference of the treated effluent outlet.

b) the consent or application number covering the treated effluent discharge.

If yes please give the National Grid Reference of the storm/emergency sampling point (see notes)

4. For effluents discharging from combined sewer overflows, is the discharge via a dedicated pipe?

Y/N

If no please give the National Grid Reference of the overflow into the sewer

5. Overflow settings

- a) Overflow setting to storm tanks.
- b) Maximum flow to storm tanks.
- c) Overflow setting to storm sewage overflow.
- d) Maximum flow to storm sewage overflow.

	l/s
	l/s
	l/s
	l/s

6. Storage capacity

- a) Volume of Storm Tanks.
- b) Retention time of storm tanks at maximum flow.
- c) Storage capacity of sewer/wet well.

	m ³
	hours
	m ³ /day

7. Please provide full details of the design criteria that have been used to support this application.

--

8. Will facilities be provided to raise alarms (eg. telemetry)?
If yes, please give details.

Y/N

N/A

9. Will facilities be provided to prevent the discharge of gross solids?
If yes, please give details (for screens give bar spacing or aperture).

Y/N

--

10. What provisions will be made to deal with:

- a) power failure (eg. standby generators)?
- b) mechanical breakdown (eg. standby pumps)?
- c) rising main failure?
- d) tanker access?

Notes (see also the notes on the main form):

Full details of the design criteria must be provided in order for the application to be determined. If you have any queries about what information is required please contact the person given in notes attached to the main form.



ENVIRONMENT AGENCY

ANNEXE 3 TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing
to discharge trade effluent (this includes site drainage).

Official Use Only
Application No.

1. Site Name.

GUASTADGOED WATER TREATMENT WORKS
LLWYNGWRIL.

2. a) Describe in full the trade effluent and the process(es) from which it arises.

POTABLE WATER TREATMENT WORKS MEMBRANE
BACKWASH WATER.

b) Please state the type and number of treatment units you are proposing to use (if site drainage
please include details of oil/petrol interception facilities).

NORIT MEMBRANE TERTIARY TREATMENT PLANT

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

☒ Y ☐ N

b) If yes, please give the total area drained.

m²

c) Please give details of any activities which occur in the drainage area which could contaminate
surface water (see note b)

4. Rainfall Independent Discharges

a) What is the ^{average}~~maximum~~ rate of discharge? (over 30 min's)

3.3 l/s

b) What is the ^{maximum}~~average~~ daily flow?

41. m³/d

c) For discharges where the source of supply is other than mains water:

i) give the abstraction licence number.

ii) give the National Grid Reference of a point where the influent can be sampled.

□□/□□□□/□□

(please mark on the plan)

3. a) Will any self monitoring take place?

Y/N

If yes, please give details.

PERIODIC CHECKS OF EFFLUENT PH + CHLORINE
RESIDUAL.

b) Will automatic sampling equipment be provided?

Y/N

If yes, please give details of type, frequency and location (please indicate on plan).

a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

AMBIENT.

b) Will the discharge be monitored for temperature?

Y/N

If yes, please give details of type and location (please indicate on plan).

Has an application for Authorisation been made for a 'prescribed process' as defined in Part 1 of the Environmental Protection Act 1990?

Y/N

If yes, please complete the following:

a) The application reference.

c) Contact name of case officer.

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SEE ATTACHED LIST.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron	270		27	Lead	28	22	3.3
Arsenic				Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel			
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium				Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium				Perchloroethylene			
Copper				Permethrin			
Cyanide				pH < 5.5 or > 9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorvos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucifuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBD)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives?

Y/N

If yes, please give details.

Notes (see also the notes attached to the main form):

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*



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AMGYLCHEDD
ENVIRONMENT
AGENCY

ANNEXE 4

WELSH REGION SUPPLEMENTARY INFORMATION ANNEXE

Please complete this annexe for every proposed discharge.

Official Use Only
Application No.

For all proposed discharges:

1. Site Name.

GWASTAD GOED WATER TREATMENT WORKS
LLWYNQWILL

2. Is this application being made to reinstate a lapsed Consent?

☒ Y/N

If so, please state the Number of the lapsed Consent:

IMPORTANT: If you are in need of advice on either part of question 2, please contact the Agency Regional Consents Section on 01222 770088.

3. If the proposed discharge is to be made down a pipe, channel or culvert (as given in Section 2.3 in the main application form), please state the diameter (including units):

150 mm

4. Please indicate the anticipated cost of the proposed scheme, including any alternatives which may have been considered:

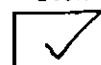
£450 K

5. Is there any trade effluent component in the proposed discharge?

☒ Y/N

If yes, please confirm here that you have completed and enclosed Annex 3:

Tick





6. Will the proposed discharge be pumped or made under gravity? (please circle):

Pumped / Gravity

If pumped, please state the maximum pump rate in l/sec:

_____ l/s

For proposed discharges of sewage in storm or emergency conditions:

7. Please confirm here that you have completed and enclosed both Annexes 1 and 2:

Tick

☐

8. Please state:

Population served (head)	_____
Consumption (l/head/day) default = 180	_____
Infiltration (m ³ /day)	_____
Industrial effluent flow (m ³ /day)	_____
Dry Weather Flow (m ³ /day)	_____
SOCA (l/sec)	_____
Predicted spill frequency (per annum)	_____

N/A

IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:

1. Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (e.g. a public limited company ('plc'), limited company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.
2. Agents making an application on behalf of a client, must attach their clients written authority.
3. If the name and/or address of the applicant changes after submission of this application to the Environment Agency, the applicant must inform the Agency in writing.

DWR CYMRU / WELSH WATER

Drinking Water Compliance Summary

Water Quality Zone 2021 B07 LLWYNGWRL From 01/10/1999 To 30/09/2001

Parameter	Unit of Measurement	No. Samples Taken	Average Value	Max Value	Limit	% Compliance
Colour	Degrees (Hazen)	8	2.00	2.00	20.00	100.00
Turbidity	Turbidity units	15	0.1067	0.20	4.00	100.00
Odour	Dilution number	8	0.625	3.00	3.00	100.00
Taste	Dilution number	8	0.25	1.00	3.00	100.00
Temperature	Degrees C	36	11.0444	18.50	25.00	100.00
Hydrogen ion - Lower minimum	pH units	8	7.7625	8.58	5.50	100.00
Hydrogen ion - Upper maximum	pH units	8	7.7625	8.58	9.50	100.00
Sulphate	mg/l	2	28.50	29.00	250.00	100.00
Magnesium (Dissolved)	mg/l	2	1.63	1.63	50.00	100.00
Magnesium (Total)	mg/l	2	1.62	1.66	50.00	100.00
Sodium	mg/l	2	5.365	5.73	150.00	100.00
Potassium	mg/l	2	0.57	1.00	12.00	100.00
Nitrate (mg/l NO3)	mg/l	8	0.9991	1.3721	50.00	100.00
Nitrite (mg/l NO2)	mg/l	8	0.0103	0.0164	0.10	100.00
Ammonium	mg/l	8	0.026	0.0401	0.50	100.00
Oxidisability (Pt)	mg/l	2	0.75	1.00	5.00	100.00
Surfactants	ug/l	2	20.00	20.00	200.00	100.00
Aluminium	ug/l	15	20.2667	24.00	200.00	100.00
Iron	ug/l	26	26.2692	270.00	200.00	96.15
Manganese	ug/l	8	5.00	5.00	50.00	100.00
Copper	ug/l	2	11.00	12.00	3000.00	100.00
Zinc	ug/l	2	10.00	10.00	5000.00	100.00
Phosphorus	ug/l	14	43.5714	420.00	2200.00	100.00
Phosphorus	ug/l	1	90.00	90.00	2200.00	100.00
Fluoride	ug/l	2	85.50	100.00	1500.00	100.00
Silver	ug/l	2	0.65	1.00	10.00	100.00
Arsenic	ug/l	2	3.00	5.00	50.00	100.00
Cadmium	ug/l	2	0.50	0.50	5.00	100.00
Cyanide	ug/l	2	2.80	5.00	50.00	100.00
Chromium	ug/l	2	1.00	1.00	50.00	100.00
Mercury	ug/l	2	0.02	0.02	1.00	100.00
Nickel	ug/l	2	4.50	5.00	50.00	100.00
Lead	ug/l	16	3.3125	28.00	50.00	100.00
Antimony	ug/l	2	1.00	1.00	10.00	100.00
Selenium	ug/l	2	1.00	1.00	10.00	100.00
Total Coliforms	/100ml	36	0.00	0.00	0.00	100.00
Faecal Coliforms	/100ml	36	0.00	0.00	0.00	100.00
Faecal Streptoc.	/100ml	1	0.00	0.00	0.00	100.00
Faecal Streptoc.	/100ml	1	0.00	0.00	0.00	100.00
Clostridia	/20 ml	1	0.00	0.00	1.00	100.00
Conductivity	us/cm	10	137.80	145.00	1500.00	100.00
Chloride	mg/l	2	11.50	12.00	400.00	100.00
Calcium (Dissolved)	mg/l	2	22.30	24.20	250.00	100.00
Calcium (Total)	mg/l	2	22.10	23.60	250.00	100.00
Boron	ug/l	2	50.00	50.00	2000.00	100.00
Barium	ug/l	2	10.00	10.00	1000.00	100.00
Benzo 3,4 Pyrene	ng/l	2	0.85	1.00	10.00	100.00
Tetrachloroethane	ug/l	8	0.1013	0.20	3.00	100.00
Trichloroethene	ug/l	8	0.675	0.80	30.00	100.00
Tetrachloroethene	ug/l	8	0.2103	0.247	10.00	100.00
Benzene	ug/l	2	0.25	0.25	1.00	100.00
1,2 Dichloroethane	ug/l	1	0.30	0.30	3.00	100.00

DWR CYMRU / WELSH WATER

Drinking Water Compliance Summary

Water Quality Zone 2021 B07 LLWYNGWRIL From 01/10/1999 To 30/09/2001

Parameter	Unit of Measurement	No. Samples Taken	Average Value	Max Value	Limit	% Compliance
-----------	---------------------	-------------------	---------------	-----------	-------	--------------

Pesticides :

Chlorfenvinphos	ug/l	9	0.0046	0.01	0.10	100.00
Parathion	ug/l	9	0.0038	0.01	0.10	100.00
Diazinon	ug/l	9	0.0053	0.01	0.10	100.00
Simazine	ug/l	4	0.0088	0.01	0.10	100.00
Atrazine	ug/l	4	0.0088	0.01	0.10	100.00
Chlorfolluron	ug/l	2	0.0095	0.01	0.10	100.00
Isoproturon	ug/l	2	0.0085	0.01	0.10	100.00
Triclazine	ug/l	4	0.0088	0.01	0.10	100.00
Propetamphos	ug/l	9	0.0046	0.01	0.10	100.00
Terbutryn	ug/l	4	0.008	0.01	0.10	100.00
Diuron	ug/l	2	0.0075	0.01	0.10	100.00
Lamuron	ug/l	2	0.0075	0.01	0.10	100.00
Methabenzthiazuron	ug/l	2	0.0095	0.01	0.10	100.00
Asulam	ug/l	2	0.02	0.02	0.10	100.00
Glyphosate	ug/l	1	0.04	0.04	0.10	100.00
Fenpropimorph	ug/l	11	0.0049	0.01	0.10	100.00
Fenpropiidm	ug/l	11	0.0087	0.01	0.10	100.00
Propachlor	ug/l	3	0.01	0.01	0.10	100.00
Ethofumersate	ug/l	11	0.0055	0.01	0.10	100.00
Metamitron	ug/l	2	0.0135	0.017	0.10	100.00
Dichlorfluanid	ug/l	11	0.0094	0.01	0.10	100.00
Propazine	ug/l	4	0.0105	0.012	0.10	100.00
Chlorpyrifos	ug/l	9	0.0038	0.01	0.10	100.00

*Total Pesticides

0.50

Polycyclic aromatic hydrocarbons :

Benzo 1,12 perylene	ug/l	2	0.0013	0.002	0.002
Benzo 3,4 pyrene	ug/l	2	0.0009	0.001	0.002
Benzo 3,4 fluoranthene	ug/l	2	0.0019	0.002	0.002
Benzo 11,12 fluoranthene	ug/l	2	0.0013	0.002	0.002
Fluoranthene	ug/l	2	0.004	0.005	0.005
Indeno 1,2,3-CD pyrene	ug/l	2	0.002	0.003	0.003

*Total PAH

0.20

Trihalomethanes :

Trichloromethane	ug/l	5	5.08	11.10	10.00
Dichlorobromomethane	ug/l	5	3.874	6.84	10.00
Tribromomethane	ug/l	5	1.23	1.60	10.00
Dibromochloromethane	ug/l	5	3.46	6.00	10.00

*Total trihalomethanes

100.00

Hardness	mg/l as Ca	2	24.9712	26.8335	20.00
Alkalinity	mg/l	2	18.5845	20.383	20.00
Free chlorine	mg/l	36	0.3333	0.80	0.80
Total chlorine	mg/l	36	0.525	4.00	4.00
Dissolved Organic Carbon	mg/l	2	0.88	0.90	0.90
Colony Count (3 days, 22 C)	Number per ml	26	7.5385	108.00	108.00
Colony Count (1 day, 37 C)	Number per ml	24	1.00	1.00	1.00
Taste - qualitative	Taste units	8	0.00	0.00	0.00

DWR CYMRU / WELSH WATER
Drinking Water Compliance Summary

Water Quality Zone 2021 B07 **LLWYNGWRIL** **From** 01/10/1999 **To** 30/09/2001

Parameter	Unit of Measurement	No. Samples Taken	Average Value	Max Value	Limit	% Compliance
Odour - qualitative	Odour units	8	0.00	0.00		
Odour - Qualitative - Nature	Odour Units	12	10.5833	20.00		
Odour - Qualitative - Intensity	Odour Units	12	2.00	3.00		
Taste - Qualitative - Nature	Taste Units	12	6.4167	15.00		
Taste - Qualitative - Intensity	Taste Units	12	2.00	3.00		
Total Samples Taken		62				

Notes:

Where the final column contains the letters RE this indicates that an Authorisation to exceed the statutory limit has been granted.

Where the final column contains the letters UN this indicates that an Undertaking has been given by Dwr Cymru to carry out improvement work.

* When calculating these parameters in this report any result which is 'less than' the limit of analytical detection is treated as zero.

Date 12/10/01