

Water Resources Act 1991

as amended by the Environment Act 1995



ASIANTAETH YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Consents to Discharge

Certificate of Holder

Part A

To : DWR CYMRU CYFYNGEDIG
PENTWYN ROAD
NELSON
TREHARRIS
MID GLAMORGAN CF46 6LY

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

Holder Start Date : 31 March 2003

The Environment Agency ("the Agency") hereby confirm that the above named person (or organisation) is a / the registered Holder of the Consent : CG0136201 Consent Issued : 31 March 2003

Nature of Discharge(s) TTEC Trade effluent

SH7246042670 GARREGLWYD WTW LLAN FFESTINIOG

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 (Part B), 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 will 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, quoting the Consent Reference.

----- cut here -----

Part B

Please complete in block capitals or type

To : Water Resources Act 1991 : Notice of transfer of Consent to Discharge

Consent Reference : CG0136201

Name : DWR CYMRU CYFYNGEDIG

Consent Issued : 31 March 2003

Address : PENTWYN ROAD

NELSON

TREHARRIS

MID GLAMORGAN 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 the new Holder(s) :



CG0136201_2006_03_01

Post Code :

Date of Transfer to new Holder(s)

Signed :

Dated :

Name (block capitals) :

Position (if appropriate) :

(to be completed when signing on behalf of corporate bodies)

Deddf Adnoddau Dŵr 1991
fel y'i diwygiwyd gan Ddeddf yr Amgylchedd 1995



**ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES**

Caniatâd Gollwng

Tystysgrif Daliwr

Rhan A

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

DS: I gorfforaeth gorfforedig mae teitl y swydd yn bwynt cysylltu.

Dyddiad Cychwyn y Daliwr : 31 Mawrth 2003

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai / bod y sawl (neu sefydliad) a enwyd uchod yw / yn ddaliwr cofrestredig y caniatâd : CG0136201 Cyhoeddwyd y Caniatâd : 31 Mawrth 2003

Natur y Gollyngiad(au) : TTEC Elifion masnach

yn SH7246042670 GARREGLWYD WTW LLAN FFESTINIOG

Noder : Dylid cadw'r dystysgrif hon gyda'r ddogfen ganiatâd i gyfeirio ati yn y dyfodol. Os byddwch yn trosglwyddo cyfrifoldeb am y gollyngiad i rywun arall, rhaid i chi drosglwyddo'r caniatâd iddo ef neu hi a dweud wrth yr Asiantaeth cyn pen 21 diwrnod. Ni all y Daliwr wadu cyfrifoldeb am y caniatâd, ond gall cofrestriad y Daliwr gael ei drosglwyddo i olynnydd. I wneud hynny, byddwch gystal â llenwi'r ffurflen isod (Rhan B), yna'i dychwelyd i'r cyfeiriad a nodir. Os fethwch â throsglwyddo'r caniatâd, hyd yn oed os nad ydych ar y safle mwyach, gallwch gael eich erlyn am achosi llygredd. Os trosglwyddwch y caniatâd ond heb ddweud wrthym, yna byddwch yn cyflawni trosedd. Os bydd gennych unrhyw ymholiadau a fydddech gystal â chysylltu â'ch swyddfa Asiantaeth yr Amgylchedd lleol, gan ddyfynnu Cyfeirnod y Caniatâd.

- torrwrch yma -

Rhan B

Llenwch mewn priflythrennau bras neu deipio

At : Deddf Adnoddau Dŵr 1991 : Hysbysiad am drosglwyddo Caniatâd Gollwng

Cyfeirnod y Caniatâd : CG0136201

Enw : DWR CYMRU CYFYNGEDIG

Cyhoeddwyd y 31 Mawrth 2003

Cyfeiriad : PENTWYN ROAD

Caniatâd :

NELSON

TREHARRIS

MID GLAMORGAN CF46 6LY

Yr wyf fi / Yr ydym ni drwy hyn yn hysbysu'r Asiantaeth nad fi / ni mwyach yw* Daliwr / Deiliaid y caniatâd uchod a fydd yn cael / cafodd ei drosglwyddo i*

** dilêr fel yn briodol*

Enw(au) y Daliwr / Deiliaid newydd :

Côd Post :

Dyddiad Trosglwyddo i'r Daliwr / Deiliaid newydd :

Llofnodwyd :

Dyddiedig :

Enw (priflythrennau bras) :

Swydd (os yn briodol) :

(i'w llenwi pan yn llofnodi ar ran corfforaethau corfforedig)

22

CONSENT NO.	CG0136201
-------------	-----------



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

ENVIRONMENT AGENCY

**WATER RESOURCES ACT 1991
(As amended by the Environment Act 1995)**

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

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

WHEREAS the Agency in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) **MODIFIED ITS CONSENT** to the making of a discharge of **TRADE EFFLUENT** on the 5th day of November 1997

FROM Garreglwyd Water Treatment Works

the Agency in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) hereby **GIVES NOTICE** that **CONSENT** CG0136201 is hereby modified as follows:

Trade Effluent

FROM: Garreglwyd Water Treatment Works

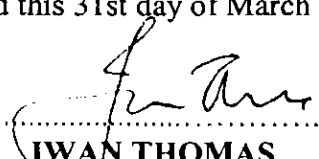
AT: Llan Ffestiniog

TO: un-named tributary of Nant Llyn-y-Morwynion

The conditions of Consent number CG0136201 dated 5th day of November 1997 are modified as detailed in this notice.

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 which alters the effect of modifications made by this notice, without the agreement in writing of the Consent Holder, during a period of 4 years from the date this notice is served.

Dated this 31st day of March 2003

Signed 

IWAN THOMAS
Environment Management Team Leader

Environment Agency Wales

Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor, Gwynedd LL57 4DE. Tel 01248 670770, Fax 01248 670561

Asiantaeth yr Amgylchedd Cymru

Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor, Gwynedd LL57 4DE Ffôn 01248 670770, Ffacs 01248 670561





ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONSENT NO.	CG0136201
SCHEDULE NO.	CG0136201 01
DATED	31st March 2003

Conditions to be modified

Condition 8 (iv) is hereby modified to read as follows:

The Discharge shall not contain more than 0.05 milligrammes per litre of total available chlorine.

Conditions to be added:

The following conditions shall now be included:

FLOW MEASUREMENT

11. A continuous flow monitoring and recording system, to a specification provided by the Agency, with on-site visual display from which readings can be readily obtained by the Agency, shall be provided by 31st March 2005 and operated to record the daily volume and instantaneous flow of the discharge.
12. As soon as practicable after completion of the flow system 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.
13. 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, approved by the independent expert and to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow monitoring system. The flow system 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.	CG0136201
SCHEDULE NO.	CG0136201 01



**ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES**

15. The Consent Holder shall record all failures of the continuous flow system 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.
16. Flows of the discharge shall be measured at the outlet National Grid Reference SH 7246 4267 or such other point as is agreed by the Agency.

DANGEROUS SUBSTANCES SUBSTANTIAL CHANGE

17. (a) A Discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the Discharge on controlled waters
- (b) An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by conditions 7 and 8 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.

WORKS OPERATION

18. (a) The works shall be operated and 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
- (b) This condition does not require:
 - (i) any higher standard to be achieved in relation to any characteristics of the discharge which is specifically regulated by conditions 7 and 8 than is required by those conditions;
 - (ii) any alteration of the works or a change in the type of treatment used.





CONSENT NO.	CG0136201
SCHEDULE NO.	CG0136201 01

OPERATIONAL SURVEILLANCE AND AUDIT

19. (a) The Consent Holder shall maintain records that demonstrate to the satisfaction of the Agency:
- (i) knowledge and understanding by the Consent Holder of the composition of materials supplied to them and of any changes in formulation of process inputs to the collecting, sewerage and/or treatment system;
 - (ii) any changes in processes that may result in a change in the Dangerous Substances composition of the effluent discharge.
- (b) The Consent Holder, at a time scale and frequency agreed by the Agency, shall undertake and record an audit to identify any additions or changes to the concentrations and loads of Dangerous Substances in the effluent since the date of issue of the consent.
- (c) The audit procedure is to be previously agreed in writing by the Agency.
- (d) The records kept in accordance with paragraphs (a) and (b) above shall be made available to the Agency on request.

NOTICE OF CHANGE

20. The Consent Holder shall notify the Agency in writing of any known or planned introduction or material change in respect of Discharges from the premises to which this consent relates to the controlled waters that may increase or introduce into the effluent any "dangerous substance" (set out in Annex 2 to this notice as updated by the Agency from time to time and notified to the Consent Holder in writing) or any other substance considered by the Consent Holder as likely to increase the polluting effects of the discharge from the water treatment works on controlled waters.

CHEMICAL DOSING

21. (a) Subject to paragraph (c) below, the chemical dosing material employed in the treatment process shall be of an iron or aluminium salt, or polyelectrolyte formulation as notified to the Agency in writing prior to use.



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONSENT NO.	CG0136201
SCHEDULE NO.	CG0136201 01

- (b) The chemical dosing material shall at all times conform to the British Standards specifications relating to potable products or other equivalent specification as agreed in writing with the Agency prior to use. Copies of the documentation of the quality assurance system shall be made available for inspection by officers of the Agency at all reasonable times.
- (c) The chemical formulation of the chemical dosing material shall not be changed without the prior written agreement of the Agency.

Other conditions of the consent

All other conditions of the consent remain in force. Consent CG0136201 is updated accordingly.





CONSENT NO.	CG0136201
SCHEDULE NO.	CG0136201 01
DATED	31 st March 2003

ANNEX 2

- | | |
|--|------------------------------|
| 1. Mercury and its compounds | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane
(lindane and related compounds) | 4. Carbon tetrachloride |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane) | |
| 6. Pentachlorophenol (PCP) | 7. Aldrin |
| 8. Dieldrin | 9. Endrin |
| 10. Isodrin | 11. Hexachlorobenzene (HCB) |
| 12. Hexachlorobutadiene (HCBd) | 13. Chloroform |
| 14. Polychlorinated biphenyls | 15. Dichlorvos |
| 16. 1,2-Dichloroethane | 17. Trichlorobenzene |
| 18. Atrazine | 19. Simazine |
| 20. Tributyltin compounds | 21. Triphenyltin compounds |
| 22. Trifluralin | 23. Fenitrothion |
| 24. Azinphos-methyl | 25. Malathion |
| 26. Endosulfan | 27. Lead |
| 28. Chromium | 29. Zinc |
| 30. Copper | 31. Nickel |
| 32. Arsenic | 33. *Iron |
| 34. *pH outside range 5.5 to 9.0 | 35. *Boron |
| 36. Vanadium | 37. PCSD'S |
| 38. Cyfluthrin | 39. Sulcofuron |
| 40. Flucifuron | 41. Permethrin |
| 42. 4-Chloro-3-methyl-phenol | 43. 2-Chlorophenol |
| 44. 2,4-Dichlorophenol | 45. 2,4-D (ester) |
| 46. 2,4-D (non ester) | 47. 1,1,1-Trichloroethane |
| 48. 1,1,2-Trichloroethane | 49. Bentazone |
| 50. Benzene | 51. Biphenyl |
| 52. Chloronitrotoluenes | 53. Demeton |
| 54. Dimethoate | 55. Linuron |
| 56. MCPA | 57. Mecoprop |
| 58. Mevinphos | 59. Napthalene |
| 60. Omethoate | 61. Toluene |
| 62. Triazophos | 63. Xylene |
| 64. Cyanide | 65. Azinphos-ethyl |
| 66. Fenthion | 67. Parathion |
| 68. Parathion-methyl | 69. Trichloroethylene |
| 70. Tetrachloroethylene | 71. Dioxins |
| 72. PAHs | 73. Nonyl phenol |
| 74. Nonyl phenyl ethoxylate | 75. Di-ethylhexyl phthalate |
| 76. Bisphenol-A | 77. Diazinon |
| 78. Chlorfenvinphos | 79. Chlorotoluron |
| 80. Isoproturon | 81. Diuron |
| 82. Propetamphos | 83. Flumethrin |
| 84. Amitraz | 85. High-Cis Cypermethrin |
| 86. Cyromazine | 87. Deltamethrin |
| 88. Cypermethrin | |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*Notification to the Agency by the Consent holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.



COPY



ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Ein cyf/Our ref. RP/WP/CG0136201

Dyddiad/Date: 3rd April 2003

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

Dear Sir/Madam,

RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) MODIFICATION OF CONSENT TO DISCHARGE NO CG0136201.

Further to our recent correspondence concerning the consent to discharge trade effluent from Garreglwyd Water Treatment Works, I enclose the Agency's formal notice of the modifications made to the conditions of the consent.

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. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to The National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

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 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, Bwele, 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





**ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES**

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 Wales, Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor, Gwynedd, LL57 4DE

Yours sincerely,

Kelvin Graham
Team Leader Customer Contact & Authorisations

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



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



**ENVIRONMENT
AGENCY**

Part A

To: DWR CYMRU CYFYNGEDIG
ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

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

Holder Start Date: 01-OCT-96

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent

CG0136201

Consent Issued: 05-NOV-97

Nature of Discharge(s): TRADE EFF/TREATED EFF/CONTINUOUS

GARREGLWYD WTW LLAN FFESTINIOG

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.

Part B Please complete in block capitals or type

To:

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

Consent: CG0136201

Name: DWR CYMRU CYFYNGEDIG

Address:

Consent Issued: 05-NOV-97

ENVIRONMENT QUALITY SCIENTIST

PLAS-Y-FFYNNON

CAMBRIAN WAY

BRECON LD3 7HP

I/We hereby give notice on the Agency that I/we am/are no longer a/the Holder of the above consent

Name of new Holder(s):

Address:

Post Code:

Date of Transfer to new Holder(s):

Signed:

Dated:

Name (in block capitals):

Position:

(to be completed when signing)



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

Eich cyf/Your ref.

Ein cyf/Our ref. CG0136201

Dyddiad/Date: 5th November 1997

Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon LD3 7HP

Dear Sir,

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE
ENVIRONMENT ACT 1995) MODIFICATION OF CONSENT TO DISCHARGE
NO CG0136201**

Further to our recent correspondence concerning the consent to discharge Trade Effluent from Gareglwyd Water Treatment Works, I enclose the Agency's formal notice of the modifications made to the conditions of the consent.

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. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff CF1 3NQ.

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 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.

Yours sincerely,

Stuart Thomas
Water Quality Consents Team Leader

Enc.

Please ask for: Richard Bysouth

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.	CG0136201
-------------	-----------



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon LD3 7HP.

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY MODIFIES ITS CONSENT** to the making of a discharge **OF TRADE EFFLUENT**, as follows:

Trade Effluent
with respect to Consent No. CG0136201 issued on 6th April 1987

FROM: Garreglwyd Water Treatment Works

AT: Llan Ffestiniog

TO: Un-named tributary of Nant Llyn-y-Morwynion

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

Trade Effluent

Schedule No. CG013620101

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 notice is served.

Dated this 5th day of November 1997

Signed
Team Leader - Water Quality Consents



CONSENT NO.	CG0136201
SCHEDULE NO.	CG013620101
DATE ISSUED	5 th Nov 97



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

CONDITIONS OF CONSENT TO DISCHARGE

Trade Effluent ("the Discharge")

FROM: Garreglwyd Water Treatment Works

GENERAL

1. (a) The Discharge shall not contain any poisonous noxious or polluting matter or solid waste matter.
- (b) provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such consent shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by those conditions.

NATURE

2. The Discharge shall consist solely of trade effluent comprising of water treatment works effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 300mm diameter pipe
 - (b) discharging to an Un-named tributary of Nant Llyn-y-Morwynion
 - (c) at National Grid Reference SH 7246 4267
 - (d) shown marked "Discharge Point" on plan CG0136201 attached as Annex 1.

SAMPLE POINTS

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 7246 4267, as shown marked "Discharge Point" on Plan CG00136201, so that a representative sample of the Discharge may be obtained. The discharger 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.	CG0136201
SCHEDULE NO.	CG013620101



ASiantaeth Yr
Amgylchedd
Environment
Agency

VOLUME

5. The volume of the Discharge shall not exceed 302 cubic metres per day.
6. The rate of Discharge shall not exceed 3.5 litres per second.

COMPOSITION

7. The pH of the discharge shall not be less than 6 or greater than 9 pH units.
8. The discharge shall not contain more than:
 - (i) 0.5 milligrammes per litre of total aluminium;
 - (ii) 10 milligrammes per litre of total iron;
 - (iii) 100 milligrammes per litre of suspended solids (measured after drying at 105°C).
 - (iv) 0.02 milligrammes per litre of free chlorine.
 - (v) 3.5 milligrammes per litre of anionic polyelectrolyte.
9. 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. Only anionic or non-ionic polyelectrolytes may be used.
10. As far as is reasonably practicable, the works shall be operated so as to prevent:
 - (i) any matter being present in the Discharge, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (ii) the Discharge from having any other adverse environmental impact.



WATER RESOURCES ACT 1991

Consent No. CG0136201

Under Section 88 and Schedule 10 of the Water Resources' Act 1991 and all other enabling powers the National Rivers Authority hereby gives this Notice

R E V I E W O F C O N S E N T

Page 1 of 3

To : Dŵr Cymru Cyfyngedig,

Of : Plas y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP.

In respect of the previous Consent No. CG0136201 issued on: 6th April 1987

For : A discharge of trade effluent

To : Un-named tributary of Nant Llyn-y-Morwynion

From: Garreglwyd Water Treatment Works.

THE FOLLOWING REPLACE ALL PREVIOUS CONDITIONS

1. (a) The discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.
 (b) Provided that the discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by those conditions.
2. The discharge shall consist solely of dechlorinated water treatment works effluent.
3. The volume of effluent discharged shall not exceed 302 cubic metres in any period of 24 consecutive hours. The rate of discharge shall not exceed 3.5 litres per second.

continued.....



Am ragoriaeth



Awarded for excellence

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Awdurdod Afonydd Cenedlaethol, Rhanbarth Cymru / National Rivers Authority, Welsh Region
 Highfield, Ffordd Priestley, Caernarfon, Gwynedd, LL55 1HR. Ffôn: (01286) 672247, Ffacs: (01286) 674451
 Highfield, Priestley Road, Caernarfon, Gwynedd LL55 1HR. Tel: (01286) 672247. Fax: (01286) 674451

Consent No.	CG0136201
-------------	-----------

WATER RESOURCES ACT 1991
 Continuation Sheet

page 2 of 3

4. The discharge shall be made in the manner and at the place specified as follows:-

 Discharging via : 300mm diameter pipe
 Discharging to : Un-named tributary of Nant-Llyn-y-Morwynion
 At OS Grid Ref : SH 7246 4267
 As shown Marked : "Discharge Point" on the attached Plan No. CG0136201.

5. The outlet to the watercourse shall be constructed, maintained and appropriately labelled so that a representative sample of the water treatment works effluent discharged may be obtained.

6. The quality of effluent discharged at all flow rates shall not be inferior to the following numerical limits:
 - (a) The pH shall neither be less than 6.0 nor greater than 9.0 pH units.
 - (b) The discharge shall be dechlorinated and contain not more than 0.02 milligrams per litre of free Chlorine.
 - (c) The total Iron concentration shall not exceed 10 milligrams per litre.
 - (d) The suspended solids concentration (measured after drying at 105 degrees Celsius) shall not exceed 100 milligrams per litre.
 - (e) The concentration of anionic polyelectrolyte shall not exceed 3.5 milligrams per litre. The Authority must be given at least 28 days prior notice together with all required information and the Authority's approval in writing must be obtained before use commences.

continued.....



Am ragoriaeth



Awarded for excellence

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Awdurdod Afonydd Cenedlaethol, Rhanbarth Cymru / National Rivers Authority, Welsh Region
 Highfield, Ffordd Priestley, Caernarfon, Gwynedd, LL55 1HR. Ffôn: (01286) 672247, Ffacs: (01286) 674451
 Highfield, Priestley Road, Caernarfon, Gwynedd LL55 1HR. Tel: (01286) 672247. Fax: (01286) 674451

WATER RESOURCES ACT 1991
 Continuation Sheet

Consent No. CG0136201

page 3 of 3

7. As far as reasonably practicable, the works shall be operated so as to prevent:
- (a) any matter being present in the effluent, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (b) the treated effluent from having any other adverse environmental impact.

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Authority, which alters the modifications made by this notice, without the agreement in writing of the discharger, during a period of 2 years from the date this notice is served.

Dated this 26th day of October 1995
 Signed

Area Environmental Quality Manager



Am ragoriaeth



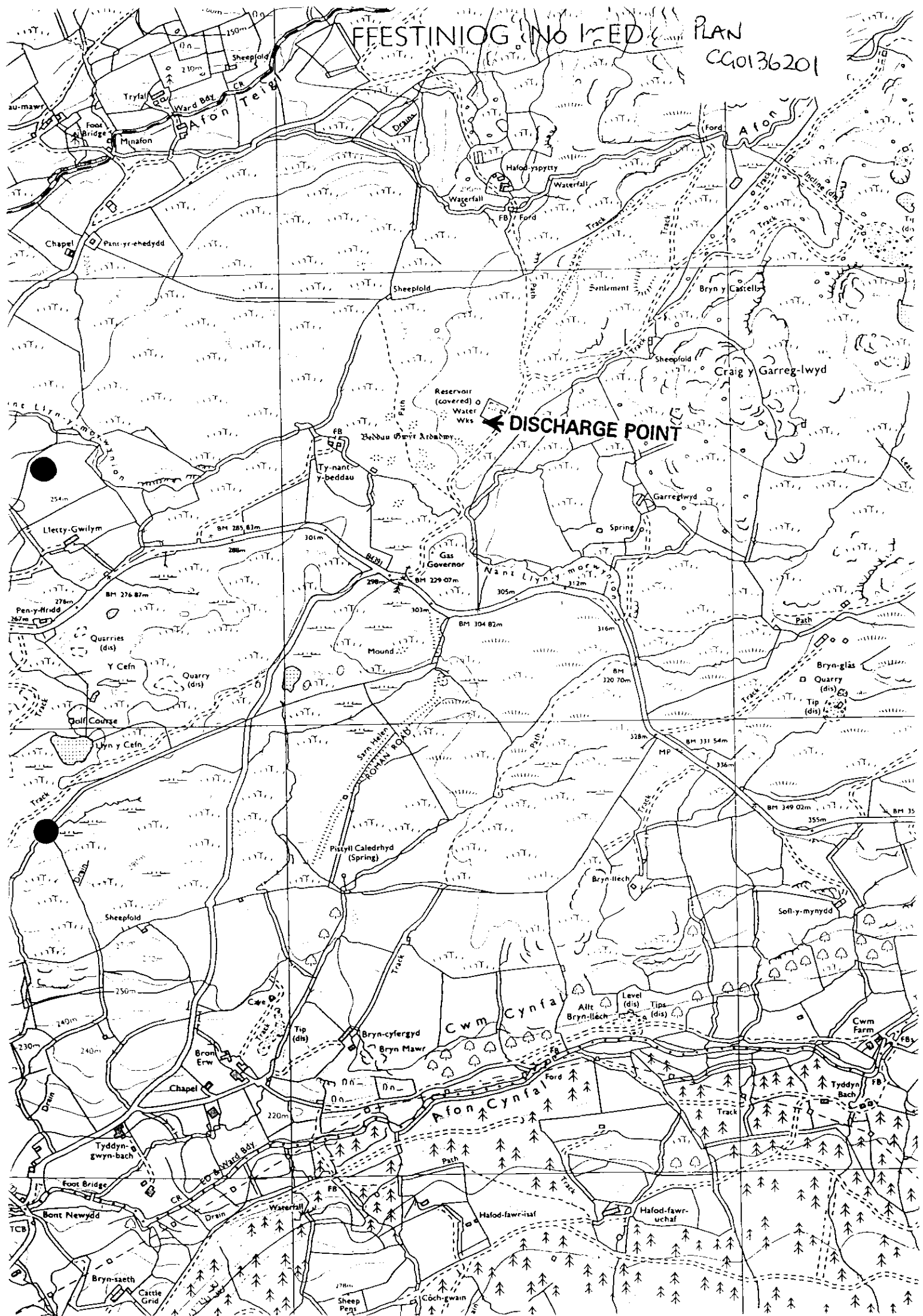
Awarded for excellence

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Awdurdod Afonydd Cenedlaethol, Rhanbarth Cymru / National Rivers Authority, Welsh Region
 Highfield, Ffordd Priestley, Caernarfon, Gwynedd, LL55 1HR. Ffôn: (01286) 672247, Ffacs: (01286) 674451
 Highfield, Priestley Road, Caernarfon, Gwynedd LL55 1HR. Tel: (01286) 672247. Fax: (01286) 674451

FFESTINIOG (NO 1) ED PLAN

CG0136201



NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991



Application for consent to discharge
Schedule 10

The Consents Officer,
National Rivers Authority,
Welsh Region,
Plas-yr-Afon / Rivers House,
St Mellons Business Park,
Cardiff,
CF3 0LT

Official Use Only *Northern*
Dist/Area Ref.

Application No. *CG0136201*

Date Received: *(review)*

30/3/95.

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

I/We hereby apply for consent under the provisions of the Water Resources Act 1991 to make a discharge of effluent as described in this application and on the attached plan(s). I/We will bear the costs of any advertisement (see note 1).

I/We enclose a cheque for £ to cover the cost of this application (see note 2).

Signed Date

Authorised on behalf of

Have you made, or do you intend to make, an application to the Secretary of State for exemption from publicity? (See note 3.) YES/NO*

Has this application been made in response to the service of a relevant prohibition? YES/NO*

If yes please give reference number:

1a Full name and postal address of applicant. (See note 4.) Post Code: Daytime telephone number:	<i>Dwr Cymm</i> <i>Northern Division</i> <i>Penrhosgarnedd</i> <i>Banger.</i>
1b Agent (if any) Full name and postal address Contact name and daytime telephone number	<i>/</i> Note: if this box is completed, all correspondence will be sent to this address.

NOTE: The application should be accompanied by 3 copies of an adequate plan and details of any environmental impact assessment. Failure to do so may result in a delay in processing the application. (See note 5.)

2a) Address or other sufficient description of land or premises to which this application relates.	GARREGLWYD WTW																				
2b) National Grid Reference of point of discharge.	SH 7246 4267																				
2c) District Council area.																					
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	Sewage effluent ☐ Storm/emergency sewage effluent ☐ Trade effluent WTW EFFLUENT ☒ Any other matter (inc. surface water). ☐																				
4 For sewage and trade effluent, and storm/emergency discharges, state:- a) Maximum quantity it is proposed to discharge in one day. (See note 7.) b) Highest rate at which it is proposed to operate the discharge. c) Periods during which the discharge will take place.	302 m³/day 3.53 l/sec																				
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	m²																				
6 Receiving medium Tick the category to which the proposed discharge(s) are to be made. <table border="0"> <tr> <td>TIDAL RIVER OR STREAM</td> <td>☐</td> <td>INTO LAND</td> <td>☐</td> </tr> <tr> <td>NON-TIDAL RIVER OR STREAM</td> <td>☒</td> <td>ONTO LAND</td> <td>☐</td> </tr> <tr> <td>CANAL</td> <td>☐</td> <td>DIRECTLY INTO GROUNDWATER</td> <td>☐</td> </tr> <tr> <td>LAKE, LOCH OR POND</td> <td>☐</td> <td>INTO LAND AND WATERCOURSE</td> <td>☐</td> </tr> <tr> <td>(not discharging to a river or stream)</td> <td></td> <td>COASTAL WATER (see Note 8.)</td> <td>☐</td> </tr> </table> State name of watercourse, if known:- UNNAMED TRIBUTARY OF NANT LLYN-Y-MORWYNION		TIDAL RIVER OR STREAM	☐	INTO LAND	☐	NON-TIDAL RIVER OR STREAM	☒	ONTO LAND	☐	CANAL	☐	DIRECTLY INTO GROUNDWATER	☐	LAKE, LOCH OR POND	☐	INTO LAND AND WATERCOURSE	☐	(not discharging to a river or stream)		COASTAL WATER (see Note 8.)	☐
TIDAL RIVER OR STREAM	☐	INTO LAND	☐																		
NON-TIDAL RIVER OR STREAM	☒	ONTO LAND	☐																		
CANAL	☐	DIRECTLY INTO GROUNDWATER	☐																		
LAKE, LOCH OR POND	☐	INTO LAND AND WATERCOURSE	☐																		
(not discharging to a river or stream)		COASTAL WATER (see Note 8.)	☐																		

7 The Authority will normally require adequate provision for the taking of samples of the discharge. Please indicate the means proposed. (See note 9.)

At the outlet

☒

At a manhole or
sampling chamber

☐

See plan

☐

Other

☐

If other, please give further details:-

8 Indicate proposed means of discharge:-

1. Pipe

☒

4. Soakaway

☐

7. Culvert

☐

2. Channel

☐

5. Well

☐

8. Soakaway &
sub-irrigation
system

☐

3. Borehole

☐

6. Sub-irrigation
system

☐

9. Other

☐

If 9 please give further details:-

9 Give details as appropriate

a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.

a) 300 mm

b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.

b)

c) For boreholes, state details of lining:

c)

Type of lining

: metres

Depth of lining

: metres

Depth of perforated lining

: metres

Depth of unperforated lining

: metres

10 Is there a foul sewer available to which the discharge could be made?

YES/NO*

If yes give reason for not connecting.

:

Distance from nearest foul sewer.

:

11 Give brief details of:

a) Source of water supply (eg mains, well, borehole, etc.)

a)

b) General purpose for which water is used (eg domestic, cooling, etc.)

b)

*Delete as necessary

12	Is consent required for a limited period? If yes give relevant dates	YES/NO* :
13	On what date do you anticipate the discharge will begin to be made?	ANTICIPATED END MAY 1995
14	Does this proposal replace an existing discharge? If yes give details	YES/NO* BACKWASH WATER FROM WELSH OFFICE FILTER : CONSENT 6 th APRIL 1987
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES/NO* WELSH OFFICE CONSENT : 6 th APRIL 1987
16	Please give details of the premises – tick as appropriate:–	
	1. Single dwelling ☐	2. Multiple dwellings ☐
	3. Licenced premises ☐	4. Vehicle parking area ☐
	5. Industrial premises ☐	6. Fish farm ☐
	7. Mineral workings ☐	8. WSPLC STW ☐
	9. Water supply ☐	10. Other ☒
	If other, please give further details. WSPLC WTW	
17	IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS	
a)	Is any part of the system within 10 metres of the site boundary?	YES/NO*
b)	Is any part of the system within 10 metres of a watersource?	YES/NO*
c)	Is the land in which the disposal system is to be constructed under-drained with land drains discharging to a watercourse or to be so under-drained?	YES/NO*
d)	If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	:
e)	Attach details of the percolation test carried out.	Attached
18	FOR SEWAGE TREATMENT PLANTS	
a)	State the population served/population equivalent/estimated population*	*All year *Summer *Winter
b)	Give details of the treatment plant to be used (see note 11.)	

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

19 a) Describe the trade effluent and the process(es) from which it arises. (See note 12.)

b) Maximum temperature of the effluent as discharged °C

c) Does the effluent contain any of the following? *~~YES~~/NO

If yes, underline those present and give full details (including maximum, minimum and mean values) separately.

- | | |
|--|--|
| 1. Aldrin, dieldrin, endrin and isodrin | 25. Iron |
| 2. Arsenic | 26. Lead |
| 3. Atrazine | 27. Malathion |
| 4. Azinphos-ethyl | 28. Mercury and its compounds |
| 5. Azinphos-methyl | 29. Nickel |
| 6. Boron | 30. Parathion |
| 7. Cadmium and its compound | 31. Parathion-methyl |
| 8. Carbon tetrachloride | 32. PCSD's |
| 9. Chloroform | 33. Pentachlorophenol (PCP) |
| 10. Chromium | 34. Perchloroethylene |
| 11. Copper | 35. Permethrin |
| 12. Cyanide | 36. pH if outside the range 5.5 to 9.0 |
| 13. Cyfluthrin | 37. Polychlorinated biphenyls |
| 14. DDT | 38. Simazine |
| 15. 1, 2-Dichloroethane | 39. Sulcofuron |
| 16. Dichlorvos | 40. Tetrachloroethylene |
| 17. Dioxins | 41. Tributyltin compounds |
| 18. Endosulfan | 42. Trichlorobenzene |
| 19. Fenitrothion | 43. Trichloroethane |
| 20. Fenthion | 44. Trichloroethylene |
| 21. Flucifuron | 45. Trifluralin |
| 22. Hexachlorobenzene (HCB) | 46. Triphenyltin compounds |
| 23. Hexachlorobutadiene (HCBD) | 47. Vanadium |
| 24. Hexachlorocyclohexane
(lindane and related compounds) | 48. Zinc |

d) Give full details of any other significant chemical components contained in the effluent:—

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

State the type of discharge. Tick one or more boxes as appropriate.

Storm tanks	☐	Answer all except 23 & 26
Storm overflow from sewer	☐	Answer all except 23 & 26
Storm overflow from pumping station	☐	Answer all sections below
Emergency overflow from sewer	☐	Answer 20a, 21, 25, 27, 28
Emergency overflow from pumping station	☐	Answer all except 20b, 22
Surface Water	☐	Answer 25, 27
Other	☐	Answer as appropriate

If other, please give further details:—

21		
a)	State dry weather flow to pumping station/in sewer	m^3/day
b)	State flow at which storm discharge will commence	l/sec
22	Expected frequency of operation	per annum
23	State volume of storm tank(s).	m^3
24	State volume of wet well	m^3
25	What provisions have been made to raise alarms? (eg telemetry)	
26	What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)	
27	What provisions have been included to deal with a) power failure? b) mechanical breakdown? c) rising main failure?	
28	What facilities have been provided for flow measurements?	
29	Are there any other factors to be taken into account?	

404 65/1/1140/T

WEPD/OD/46/D7

WO REF WEP/WS 9111/11

WELSH OFFICE

CONTROL OF POLLUTION ACT 1974: SECTIONS 34 & 55
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES) REGULATIONS 1984
CONSENT FOR A DISCHARGE

WHEREAS

1. The WELSH WATER AUTHORITY (hereinafter referred to as 'the Water Authority') proposes to discharge filter backwash water from the Garreglwyd Water Treatment Works to an un-named tributary of the Nant Llyn-y-Morwynion at national grid reference SH 7246 4267 as shown on the attached plan.
2. The proposals require the consent of the Secretary of State for WALES in pursuance of sections 34 and 55 of the Control of Pollution Act 1974 as modified by the Control of Pollution (Discharges by Authorities) Regulations 1984 (hereinafter referred to as 'the Regulations').
3. In accordance with the provisions of Regulation 2 of the Regulations the Water Authority have submitted the proposals to the Secretary of State in the form of an application for consent dated 2 July 1985

THE SECRETARY OF STATE FOR WALES hereby consents to the proposed discharge subject to the conditions specified in the Schedule hereto attached.

Dated this *sixth* day of
April 1987

Signed *P. R. Marden*
On behalf of the Secretary
of State for Wales

SCHEDULE

Conditions prescribed for the discharge of filter backwash water to an unnamed tributary of the Nant Llyn-y-Morwynion at the Garreglwyd Water Treatment Works

1. The nature of the effluent shall be filter backwash water.
2. Adequate facilities shall be provided for the Secretary of State's representative so as to enable samples of the effluent to be conveniently obtained at grid reference SH 7246 4267.
3. The Welsh Water Authority shall take samples of the effluent in accordance with the relevant provisions of the Authority's sampling periodicity guidelines for the time being in force and approved for this purpose by the Secretary of State (and as may be indicated below) and shall keep records of such samples and the results of analyses thereof for inspection by the Secretary of State's authorised representative.
4. The volume of effluent under dry weather conditions shall not exceed 70 cubic metres in any period of 24 hours.
5. The maximum rate of flow discharged to the river at any time shall not exceed 40 litres per second.
6. The analytical methods used for determining compliance or otherwise with this consent shall be assumed to be those specified in the latest edition of "Methods for the Examination of Waters and Associated Materials" published by HMSO. Other methods of analysis may be used as alternatives to those specified in the above named publication providing that Secretary of State is satisfied that they give comparable or better performance characteristics. Such other methods shall be submitted for approval to the Secretary of State together with all necessary supporting evidence prior to their being used in connection with discharge consents.

ANNEX

Where the number of samples taken in one year (that is from the 1 April to the 31 March) falls within any of the ranges given in Column 1 of the table below, the number of samples which are inferior to a specified numerical quality limit determinand set in Paragraph 6, and where relevant, Paragraph 7 of the Schedule shall not exceed the appropriate permitted number as listed in Column 2. A sample shall only be considered as having failed in relation to the particular determinand(s) for which the specified quality limit is exceeded. A sample shall be considered to be satisfactory in relation to other determinands, the concentration of which, are equal to or lower than the specified limit.

TABLE

Column 1	Column 2
Series of samples taken in any year	Maximum number of samples in which the same numerical quality limit may be exceeded.
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

7. The quality of the effluent discharged to the river at all flow rates up to the minimum quoted in 5 above, shall not be inferior to the following numerical quality limits (determinands) save as provided for in the Annex (by reference to the table included therein) to this Schedule.

7a. The Suspended Solids concentration (dried at 105 degrees Celsius) shall not exceed 50 milligrams per litre.

7b. The pH shall not exceed 8.5.

7c. The free chlorine concentration shall not exceed 0.02 milligrams per litre.