

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
CONSENTS REGULATION OFFICER
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP



The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CG0060501

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at GELLILYDAN STW

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: Name:
Address:

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:**





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Environment
Agency Wales

**ENVIRONMENT AGENCY WALES
NORTHERN AREA
CONSENT REVIEW 2004**

UWWTD

[URBAN WASTE WATER TREATMENT DIRECTIVE 1991]

FILE NOTE

A snapshot of WRA 91 Discharge Consents qualifying for review under UWWTD was extracted from WIMS (EA electronic Public Register) on the 21st April 2004. All details shown on this file note are based on the permission extant as of this date.

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|-----------------------------|----------------------|--|------------|--------------|-----|
| CONSENT REF : | CG0060501 | VERSION : | 2 | | |
| OPERATOR : | DWR CYMRU CYFYNGEDIG | | | | |
| DISCHARGE SITE : | GELLILYDAN STW SSO | | | | |
| EXTANT CONSENT ISSUE DATE : | 13/01/1997 | EFFECTIVE DATE : | 31/03/1997 | | |
| DWF (m ³ /day) : | 164 | MAX DAILY VOL. (m ³ /day) : | 320 | RATE (l/s) : | 3.7 |

Records held on WIMS show GELLILYDAN STW SSO (CG0060501) to be extant under version 2 issued 13/01/1997 with numeric consent conditions, effective 31/03/1997. The works is currently consented to discharge a max daily volume of 320m³/day effluent to the TAFARN HELYG at NGR SH6871040060.

UWWTD directive aims to deliver a standard level of sewage treatment throughout EC member states. This has been interpreted as prescribing a minimum of secondary biological treatment (package plant or equivalent) on all discharges made to a controlled surface water; or a minimum of primary (septic tank or equivalent) treatment on all discharges made to ground.

The discharge of 320m³/day effluent to 'TAFARN HELYG', for the purposes of this review, is described as 'secondary treated effluent to surface waters'. This treatment / receiving water combination has been assessed* as APPROPRIATE under the UWWTD review. This consent is reviewed as APPROPRIATE under UWWTD as of 01/09/2005.

* NB: the assessment of this Discharge Consent to meet UWWTD 'appropriate treatment' criteria is based solely on provision of the appropriate 'threshold' level of minimum treatment for the receiving medium. This review does not assess appropriateness in terms of the specific river needs of the receiving water stretch.

Iwan Williams
Regulatory Team Leader (Water Quality)

CONSENT NO.

CG0060501



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WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

NOTICE OF REVIEW OF CONSENT TO DISCHARGE

TO: Consents Regulation Officer
Dŵr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon LD3 7HP.

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY GIVES NOTICE OF REVIEW OF CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT** as follows:

Biologically Treated Sewage Effluent
with respect to Review of Consent No. CG0060501 dated the 29th day of August 1981

FROM: Gellilydan Sewage Treatment Works

AT: Gellilydan, Nr. Trawsfynydd

TO: Afon Tafarn Helyg

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

Biologically Treated Sewage Effluent

Schedule No. CG006050101

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 Agency, which alters the effect of 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 13th day of January 1997

Signed
Area Water Quality Manager

Asiantaeth yr Amgylchedd

Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor LL57 4DE. Ffon 01248 670770, Ffacs 01248 670561

Environment Agency

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



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| CONSENT NO. | CG0060501 |
| SCHEDULE NO. | CG006050101 |
| DATED | 13/01/97 |



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CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge")

FROM: Gellilydan STW

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 these conditions.

NATURE

2. The Discharge shall consist solely of biologically treated sewage effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 150 millimetre diameter pipe;
 - (b) discharging to Afon Tafarn Helyg;
 - (c) at National Grid Reference SH 6871 4006;
 - (d) shown marked 'Consent Point' on Plan CG0060501 attached as Annex 3.

SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 6873 4003, as shown marked "Sampling Point" on Plan CG0060501, 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



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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.

VOLUME

5. The volume of the Discharge shall not exceed 320 cubic metres per day.
6. The Dry Weather Flow of the Discharge shall not exceed 164 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

7. The rate of discharge shall not exceed 3.7 litres per second.
8. Flow measurement structure(s) shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.

COMPOSITION

9. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
 - (i) 24 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 27 milligrammes per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 60 milligrammes per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.



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10. As far as is reasonably practicable, the works shall be operated so as to prevent:
- (a) 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
 - (b) the Discharge from having any other adverse environmental impact.

UNUSUAL WEATHER CONDITIONS

11. (a) No sample of the discharge, taken at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not the conditions contained in paragraphs 9 and 10 of this consent have been complied with.
- (b) For the purpose of this condition "unusual weather conditions" shall include:
- (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
 - (ii) significant snow deposits;
 - (iii) tidal or fluvial flooding;
 - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
- (c) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the discharger shall use its best endeavours to mitigate that adverse effect.
- (d) For a sample of the discharge to be considered for the purposes of (a) above, the discharger shall notify the Agency by telefax or telephone as soon as unusual weather conditions are known to have adversely affected operations and shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.



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RECORDING AND REPORTING

12. The discharger shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.

START DATE

13. There shall be no discharge under the terms of this consent until the 31st March 1997 or the end of commissioning of the works whichever is the sooner. The discharger shall give the Agency at least 28 days written notice before making the discharge.



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ANNEX 1

TABLE

| <u>Column 1</u> | <u>Column 2</u> |
|--|---|
| Number of samples taken in any period of 12 months | Maximum number of samples permitted to exceed limit for given determinand |
| 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 |



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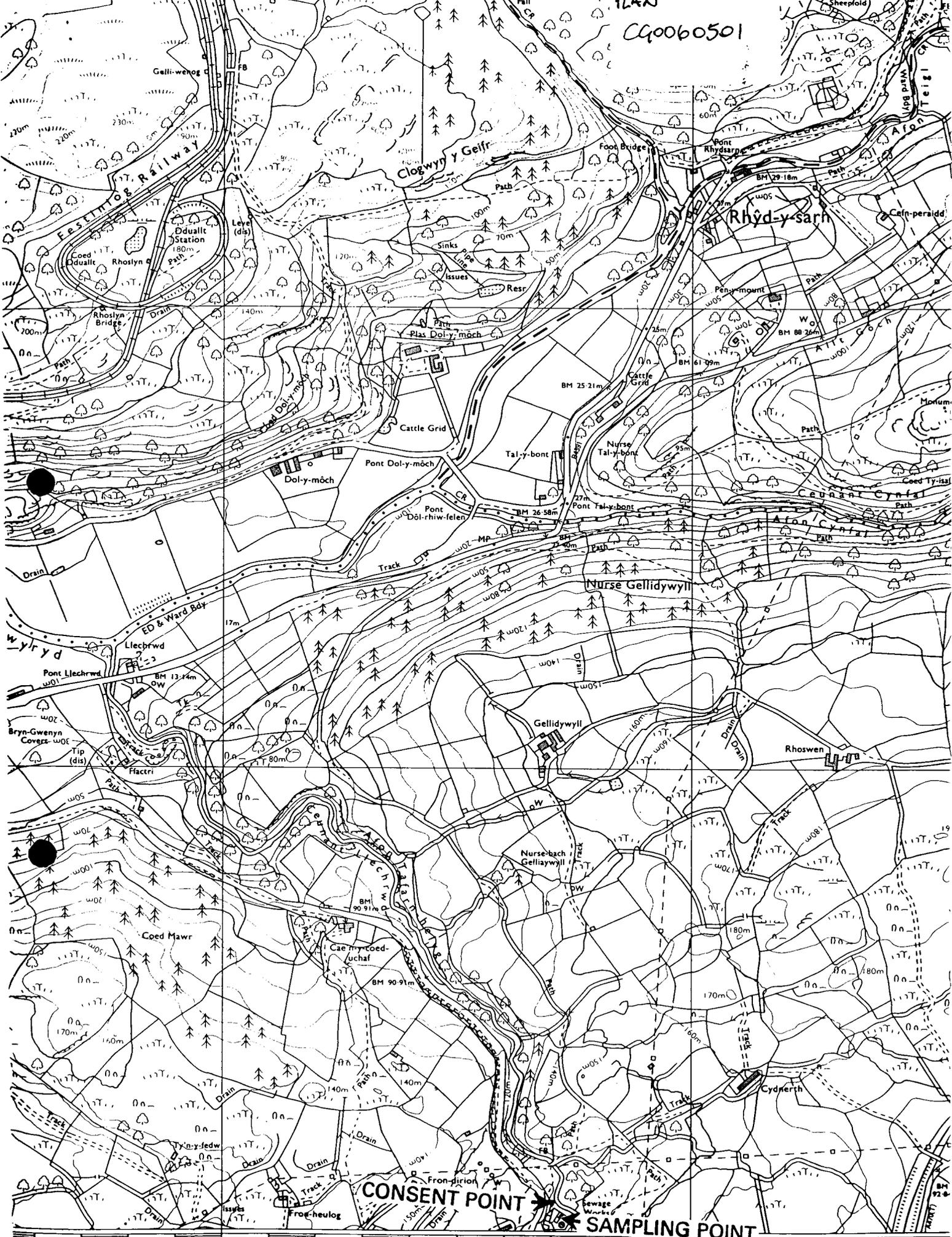
ANNEX 2

SUBSTANCE

| | |
|---------------------------|------------------|
| Mercury | Vanadium |
| Cadmium | PCSDs |
| g-Hexachlorocyclohexane | Cyfluthrin |
| DDT | Sulcofuron |
| Pentachlorophenol | Flucofuron |
| Hexachlorobenzene | Permethrin |
| Hexachlorobutadiene | Cyanide |
| Aldrin | Azinphos-ethyl |
| Dieldrin | Fenthion |
| Endrin | Parathion |
| Polychlorinated Biphenyls | Parathion-methyl |
| Dichlorvos | Trichloroethane |
| 1,2 Dichloroethane | Dioxins |
| Trichlorobenzene | Isodrin |
| Atrazine | |
| Simazine | |
| Tributyltin compounds | |
| Triphenyltin compounds | |
| Trifluralin | |
| Fenitrothion | |
| Azinphos-methyl | |
| Malathion | |
| Endosulphan | |
| Carbon tetrachloride | |
| Chloroform | |
| Trichloroethylene | |
| Tetrachloroethylene | |
| Lead | |
| Chromium | |
| Zinc | |
| Copper | |
| Nickel | |
| Arsenic | |
| Iron | |
| pH | |
| Boron | |



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CONSENT POINT SAMPLING POINT