

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 CG0058301

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at GWALCHMAI 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:



Consent No.	CG0058301
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WATER RESOURCES ACT 1991

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

REVIEW OF CONSENT

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To : Dŵr Cymru Cyfyngedig,
 Of : Plas y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP
 In respect of the previous Consent No. CG0058301 issued on : 10th October 1991
 For : a discharge of sewage effluent
 To : Nant Cwyrtaï, a tributary of Afon Ffraw
 From : Gwalchmai Sewage Treatment Works

THE FOLLOWING REPLACE ALL PREVIOUS CONDITIONS

1. The discharge shall consist solely of biologically treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:-

Discharging via : A 6 inch diameter pipe and headwall
 Discharging to : Nant Cwyrtaï
 At OS Grid Ref. : SH 3941 7555
 As shown marked : In red on the attached map

continued.....

WATER RESOURCES ACT 1991
 Continuation Sheet

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3. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at the outfall as shown marked 'Discharge Point' on the attached plan number GW1
4. The volume of effluent discharged under dry weather flow conditions shall not exceed 302 cubic metres per day.
5. The maximum rate of flow of effluent discharged shall not exceed 10 litres per second.
6. Calibrated apparatus, approved in writing by the Authority, shall be provided and maintained in full working order, to permit the instantaneous rate of flow of effluent discharged to be measured accurately at any time.
7. (a) Subject to paragraph 7(b) below, no sample of the discharge shall contain more than:
 - (i) 10 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 40 milligrams per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph 7(a) 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 parameter.

continued.....

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8. The Authority shall be informed in writing as soon as reasonably practicable of any information received by Dwr Cymru to the effect that there has been or is likely to be discharged into the sewerage system connected to the works; a significant increase in the quantity of any of the substances listed in the attached Annex 2.
9. For the purposes of this consent 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 mm on one day.
10. 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 adverse environmental impact.
11. No sample of sewage effluent taken at a time when Sections 87 (2) or 89 (1) of the Water Resources Act 1991 apply, and the operation of the sewage treatment works is consequently adversely affected, shall be taken into account in deciding whether or not the conditions contained in paragraphs 7(a) & 7(b) of this consent have been complied with.
12. On each occasion that the sewage treatment works is not under normal operating conditions for the reasons in 11, the discharger shall use its best endeavours to mitigate any adverse effect and shall notify the Authority by telephone/telefax as soon as practicable and confirm in writing within 14 days of occurrence of such conditions. That notification shall include a full description of the abnormal operating conditions and their impact on the operation of the works.

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13. No samples of sewage effluent 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 7(a) & 7(b) of this consent have been complied with.
14. 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 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.
15. 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. The discharger shall notify the NRA by telephone/telefax 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.

This Notice is given on: 2nd February 1995 on behalf of the Authority
 by: [Signature] Regional Consents and Environment Manager

During the period ending with the 2nd February 1997 the terms of this Notice will not be altered without the written agreement of the person making the discharge.

ANNEX 1

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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

continued.....

ANNEX 2

SUBSTANCE

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Mercury
 Cadmium
 g-Hexachlorocyclohexane
 DDT
 Pentachlorophenol
 Hexachlorobenzene
 Hexachlorobutadiene
 Aldrin
 Dieldrin
 Endrin
 Polychlorinated Biphenyls
 Dichlorvos
 1,2 Dichloroethane
 Trichlorobenzene
 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

Vanadium
 PCSDs
 Cyfluthrin
 Sulcofuron
 Flucofuron
 Permethrin
 Cyanide
 Azinphos-ethyl
 Fenthion
 Parathion
 Parathion-methyl
 Trichloroethane
 Dioxins
 Isodrin



ASiantaeth YR
AMGYLCHEDD CYMRU
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.

CONSENT REF :	CG0058301	VERSION :	4		
OPERATOR :	DWR CYMRU CYFYNGEDIG				
DISCHARGE SITE :	GWALCHMAI STW				
EXTANT CONSENT ISSUE DATE :	03/02/1995	EFFECTIVE DATE :	03/02/1995		
DWF (m ³ /day) :	302	MAX DAILY VOL. (m ³ /day) :	UNSPECIFIED	RATE (l/s) :	10

Records held on WIMS show GWALCHMAI STW (CG0058301) to be extant under version 4 issued 03/02/1995 with numeric consent conditions, effective 03/02/1995. The works is currently consented to discharge a max daily volume of UNSPECIFIEDm³/day effluent to the NANT CWYRTAI at NGR SH3941075550.

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 UNSPECIFIEDm³/day effluent to 'NANT CWYRTAI', 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)