



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 21<sup>st</sup> April 2004. All details shown on this file note are based on the permission extant as of this date.

CONSENT REF :	CG0364501	VERSION :	1
OPERATOR :	DWR CYMRU CYFYNGEDIG		
DISCHARGE SITE :	PENTREFELIN STW (SETTLED STORM)		
EXTANT CONSENT ISSUE DATE :	20/11/1995	EFFECTIVE DATE :	20/11/1995
DWF (m <sup>3</sup> /day) :		MAX DAILY VOL. (m <sup>3</sup> /day) :	UNSPECIFIED
		RATE (l/s) :	

Records held on WIMS show PENTREFELIN STW (SETTLED STORM) (CG0364501) to be extant under version 1 issued 20/11/1995 with numeric consent conditions, effective 20/11/1995. The works is currently consented to discharge a max daily volume of UNSPECIFIEDm<sup>3</sup>/day effluent to the AFON CEDRON at NGR SH5294039540.

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 UNSPECIFIEDm<sup>3</sup>/day effluent to 'AFON CEDRON', for the purposes of this review, is described as 'irrelevant (intermittent discharge that does not qualify under UWWTD)'. This treatment / receiving water combination has been assessed\* as NON UWWTD under the UWWTD review. This consent is reviewed as NON UWWTD 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)



CG03645\_2006\_03\_02



CONSENT NO.	CG03645
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WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

CONSENT TO DISCHARGE

TO: Dŵr Cymru Cyfyngedig  
 Plas y Ffynnon  
 Cambrian Way  
 Brecon  
 Powys LD3 7HP

The NATIONAL RIVERS AUTHORITY ("The Authority") in pursuance of its powers under the Water Resources Act 1991 <b>HEREBY CONSENTS</b> to the making of a discharge <b>OF SEWAGE EFFLUENT</b> as follows:	
Settled Storm Sewage Effluent	
FROM: Pentrefelin Sewage Treatment Works	
AT: Pentrefelin, Gwynedd	
TO: Afon Cedron	
SUBJECT TO the conditions set out in the following schedule(s):	
Settled Storm Sewage Effluent	Schedule CG0364501
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, altering the effect of this consent, without the agreement in writing of the discharger, during a period of 2 years from the date this consent takes effect.	
This consent is issued and takes effect on the 20th day of November 1995	
Signed ..... Area Environmental Quality Manager	



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.	CG03645
SCHEDULE NO.	CG0364501
DATE ISSUED	20/11/95

CONDITIONS OF CONSENT TO DISCHARGE

Settled Storm Sewage Effluent ("the Discharge")

FROM: Pentrefelin Sewage Treatment Works

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.

NATURE

2. The Discharge shall consist solely of settled storm sewage effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
  - (a) discharging via a 150 mm diameter pipe.
  - (b) discharging to Afon Cedron.
  - (c) at National Grid Reference SH 5294 3954.
  - (d) shown marked "Discharge Point" on Plan CG0364501 attached as Annex 1.



SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 5291 3953, as shown marked "Sampling Point" on Plan CG0364501, 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.

VOLUME

5. The Discharge shall occur when and only for as long as, the storm tanks are full. The discharge of storm sewage to the storm tank shall only occur when the rate of flow at the inlet sewer is in excess of 1.6 litres per second due to rainfall and/or snowmelt. The storm tanks shall be emptied automatically and their contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tanks.
6. The capacity of the storm tanks shall be at least 22 cubic metres.





# 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 Dist/Area Ref. <b>NORTH</b>
Application No. <b>CC0364501</b> Date Received: <b>8-8-95</b>

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:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code: Daytime telephone number:</p>	<p>(2190)</p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p>Note: if this box is completed, all correspondence will be sent to this address.</p>

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.)

\*Delete as necessary



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  2. Channel  3. Borehole   
 4. Soakaway  5. Well  6. Sub-irrigation system   
 7. Culvert  8. Soakaway & sub-irrigation system  9. Other

If 9 please give further details:-

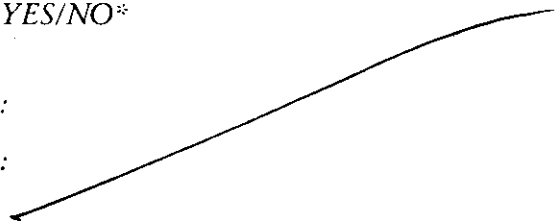
9 Give details as appropriate

- a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.
- b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.
- c) For boreholes, state details of lining:  
 Type of lining  
 Depth of lining  
 Depth of perforated lining  
 Depth of unperforated lining

EXISTING OUTLET  
 a) 150 mm (old 6" pipe)  
 COMBINED FINAL EFFLUENT AND SETTLED STORM SEWAGE  
 b)  
 c)  
 : metres  
 : metres  
 : metres  
 : metres

10 Is there a foul sewer available to which the discharge could be made?  
 If yes give reason for not connecting.  
 Distance from nearest foul sewer.

YES/NO\*  
 :  
 :



11 Give brief details of:

- a) Source of water supply (eg mains, well, borehole, etc.)
- b) General purpose for which water is used (eg domestic, cooling, etc.)

a)  
 b)



\*Delete as necessary

<p>12 Is consent required for a limited period? If yes give relevant dates</p>	<p><del>YES/NO</del>*</p> <p>:</p>																				
<p>13 On what date do you anticipate the discharge will begin to be made?</p>	<p>End Oct 1995</p>																				
<p>14 Does this proposal replace an existing discharge? If yes give details</p>	<p><del>YES/NO</del>*</p> <p>:</p>																				
<p>15 Are there any existing consents for discharge from the premises? (see note 10 ) If yes, give details, numbers, if known.</p>	<p><del>YES/NO</del>*</p> <p>PENTREFELIN STW CONSENT</p> <p>:</p>																				
<p>16 Please give details of the premises – tick as appropriate:–</p> <table border="0"> <tr> <td>1. Single dwelling</td> <td><input type="checkbox"/></td> <td>2. Multiple dwellings</td> <td><input type="checkbox"/></td> </tr> <tr> <td>3. Licenced premises</td> <td><input type="checkbox"/></td> <td>4. Vehicle parking area</td> <td><input type="checkbox"/></td> </tr> <tr> <td>5. Industrial premises</td> <td><input type="checkbox"/></td> <td>6. Fish farm</td> <td><input type="checkbox"/></td> </tr> <tr> <td>7. Mineral workings</td> <td><input type="checkbox"/></td> <td>8. WSPLC STW</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>9. Water supply</td> <td><input type="checkbox"/></td> <td>10. Other</td> <td><input type="checkbox"/></td> </tr> </table> <p>If other, please give further details.</p>		1. Single dwelling	<input type="checkbox"/>	2. Multiple dwellings	<input type="checkbox"/>	3. Licenced premises	<input type="checkbox"/>	4. Vehicle parking area	<input type="checkbox"/>	5. Industrial premises	<input type="checkbox"/>	6. Fish farm	<input type="checkbox"/>	7. Mineral workings	<input type="checkbox"/>	8. WSPLC STW	<input checked="" type="checkbox"/>	9. Water supply	<input type="checkbox"/>	10. Other	<input type="checkbox"/>
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<p>17 IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS</p>																					
<p>a) Is any part of the system within 10 metres of the site boundary?</p> <p>b) Is any part of the system within 10 metres of a watersource?</p> <p>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?</p> <p>d) If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.</p> <p>e) Attach details of the percolation test carried out.</p>	<p>YES/NO*</p> <p>YES/NO*</p> <p>YES/NO*</p> <p>:</p> <p>Attached</p>																				
<p>18 FOR SEWAGE TREATMENT PLANTS</p>																					
<p>a) State the population served/population equivalent/estimated population*</p> <p>b) Give details of the treatment plant to be used (see note 11.)</p>	<p>*All year</p> <p>*Summer</p> <p>*Winter</p>																				

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

<p>21</p> <p>a) State dry weather flow to pumping station/in sewer</p> <p>b) State flow at which storm discharge will commence</p>	<p style="text-align: right;">m<sup>3</sup>/day</p> <p>Flows in excess of 135 m<sup>3</sup>/d would spill to storm tank with SOC 'A' - 3DWF being given 2 hours settlement.</p>
<p>22 Expected frequency of operation</p>	<p style="text-align: right;">per annum</p>
<p>23 State volume of storm tank(s).</p>	<p style="text-align: right;">22 m<sup>3</sup></p>
<p>24 State volume of wet well</p>	<p style="text-align: right;">/</p>
<p>25 What provisions have been made to raise alarms? (eg telemetry)</p>	<p style="text-align: right;">/</p>
<p>26 What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)</p>	<p style="text-align: center;">STORM SETTLEMENT TANK</p>
<p>27 What provisions have been included to deal with</p> <p>a) power failure?</p> <p>b) mechanical breakdown?</p> <p>c) rising main failure?</p>	<p style="text-align: right;">/</p>
<p>28 What facilities have been provided for flow measurements?</p>	<p style="text-align: right;">/</p>
<p>29 Are there any other factors to be taken into account?</p>	

**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 CG0364501

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL  
at PENTREFELIN 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:** .....

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

