

**WATER ACT 1989**  
**DIRECTION TO THE NATIONAL RIVERS AUTHORITY ("THE AUTHORITY")**  
**TO GRANT A CONSENT TO THE DWR CYMRU CYFYNGEDIG ("THE COMPANY")**

**WHEREAS:-**

- (a) the Welsh Water Authority submitted an application to the Secretary of State dated 24 March 1989 [as supplemented on .....] in accordance with section 34 of the Control of Pollution Act 1974, as modified by the Control of Pollution (Discharges by Authorities) Regulations 1984, to discharge sewage effluent into the Afon Ceiriog at the Glynceiriog Sewage Treatment Works, National Grid Reference SJ 2094 3783 ("the proposed discharge");
- (b) that application is deemed by virtue of paragraph 25(2)(a) of Schedule 26 to the Water Act 1989 to have been made by the Company to the Authority, and the Secretary of State has determined that paragraph 25(3) of that Schedule is to apply to that application;

**NOW THEREFORE** the Secretary of State, in exercise of his powers under paragraph 4(7) and 6(4) of Schedule 12 to the Water Act 1989, hereby directs the Authority:-

- 1. to grant a consent to the Company for the proposed discharge subject to the conditions set out in the Schedule hereto; and
- 2. to revoke any previous consents in respect of the proposed discharge.

Signed on behalf of  
the Secretary of State  
for Wales



31 October 1989

**WATER ACT 1989**  
**CONSENT TO DISCHARGE BIOLOGICALLY TREATED SEWAGE EFFLUENT FROM THE**  
**GLYNCEIRIOG SEWAGE TREATMENT WORKS INTO THE AFON CEIRIOG**

**WHEREAS:-**

- (a) the Welsh Water Authority submitted an application to the Secretary of State dated 24 March 1989, [as supplemented on .....] in accordance with section 34 of the Control of Pollution Act 1974, as modified by the Control of Pollution (Discharges by Authorities) Regulations 1984, to discharge sewage effluent into the Afon Ceiriog at the Glynceiriog Sewage Treatment Works, National Grid Reference SJ 2094 3783 ("the proposed discharge");
- (b) that application is deemed by virtue of paragraph 25(2)(a) of Schedule 26 to the Water Act 1989 to have been made by the Dwr Cymru Cyfyngedig ("the Company") to the National Rivers Authority ("the Authority"), and the Secretary of State has determined that paragraph 25(3) of that Schedule is to apply to that application;
- (c) the Secretary of State, in exercise of his powers under paragraphs 4(7) and 6(4) of Schedule 12 to the Water Act 1989, has directed the Authority to issue the following consent for the proposed discharge and to revoke all previous consents relating to that discharge.

NOW THEREFORE the Authority, in exercise of its powers under paragraphs 2 and 6 of Schedule 12 to the Water Act 1989:-

- (A) grants a consent to the proposed discharge subject to the conditions set out in the Schedule hereto; and
- (B) revokes all existing consents relating to the proposed discharge.

The period during which no notice by virtue of paragraph 6(2) or (4)(c) of Schedule 12 to the Water Act 1989 shall be served in respect of the Consent shall be the period ending on the date two years from the date of this Consent, or the date specified in paragraph 7 of the Schedule hereto whichever date shall be later or such other date as the person who proposes to make or makes the discharge agrees.

*Shulke*

Signed on behalf of the Authority

10 November 1989

### SCHEDULE

Conditions prescribed for the discharge of biologically treated sewage effluent to the Afon Ceiriog at the Glynceiriog Sewage Treatment Works.

"Sewage" can mean domestic sewage alone or in admixture with industrial waste water(s).

1. The nature of the effluent shall be biologically treated sewage effluent.

Adequate facilities shall be provided for the Authority's authorised representatives so as to enable samples of the effluent to be conveniently obtained at grid reference SJ 2094 3783.

3. The volume of effluent under dry weather conditions shall not exceed 124 cubic metres in any period of 24 hours.

4. The maximum rate of flow discharged to the river at any time shall not exceed 4.3 litres per second. All sewage flow rates up to the maximum quoted above shall receive biological treatment.

5. The lower tier limit in Paragraph 6 and the limit in Paragraph 10, for any Determinand may be exceeded where, in any series of samples of treated sewage effluent taken (whether before or after the grant of this consent) by the Authority in the period of twelve months ending on the date of the discharge, as listed in column (1) of the table at Annex A to this schedule, no more than the relevant number of samples, as listed in column (2) of the said table, exceeds the applicable limit for that determinand at the time when a sample is taken. That is, in respect of samples taken after the grant of this consent, the lower tier limit set out in Paragraph 6 or the limit in Paragraph 10 as appropriate; and in respect of samples taken before the grant of this consent, the corresponding provision of the consent then in force. The table at Annex A shall not be applied to the upper tier concentrations given in Paragraph 6. Such limits shall not be exceeded at any time.

6. The quality of the effluent discharged to the river at all flow rates up to the maximum quoted in 4 above, shall not be inferior to the following lower tier numerical quality limits (determinands) save as provided for in Paragraph 5, nor to the upper tier limits.

6a. The lower tier suspended solids concentration (dried at 105 degrees celsius) shall not exceed 170 milligrams per litre. The upper tier concentration limit shall not exceed 340 milligrams per litre.

6b. The lower tier BOD (Biochemical Oxygen Demand) concentration determined in the presence of 0.5 milligrams per litre of allyl-thiourea shall not exceed 230 milligrams per litre. The upper tier concentration limit shall not exceed 350 milligrams per litre.

6c. The lower tier ammoniacal nitrogen concentration expressed as nitrogen shall not exceed 60 milligrams per litre. The upper tier concentration limit shall not exceed 120 milligrams per litre.

7. The flow restrictions quoted in Paragraphs 3 and 4 and the parameter concentrations quoted in Paragraphs 6(a), 6(b) and 6(c) above shall remain in force until such time as the new works envisaged in the reconstruction remedial programme have been fully commissioned which shall be on or before the 30 September 1992. After this date the following conditions shall apply.

8. The volume of effluent under dry weather conditions shall not exceed 124 cubic metres in any period of 24 hours.

9. The maximum rate of flow discharged to the river at any time shall not exceed 4.3 litres per second. All sewage flow rates up to the maximum quoted above shall receive biological treatment.

10. The quality of the effluent discharged to the river at all flow rates up to the maximum, quoted in Paragraph 9 above, shall not be inferior to the following numerical quality limits (determinands) save as provided for in Paragraph 5.

10a. The suspended solids concentration (dried at 105 degrees celcius) shall not exceed 150 milligrams per litre.

10b. The BOD (Biochemical Oxygen Demand) concentration determined in the presence of 0.5 milligrams per litre of allyl-thiourea shall not exceed 150 milligrams per litre.

10c. The ammoniacal nitrogen concentration expressed as nitrogen shall not exceed 50 milligrams per litre in winter and shall not exceed 25 milligrams per litre in summer+.

11. The Company shall inform the Authority:-

(a) of the date of the new works construction commencement and

(b) of the date when the new works process commissioning will commence if appropriate.

At least one months notice shall be given to the Authority of both the above dates.

During these notice periods the Company shall discuss and agree with the Authority the modus operandi to ensure that the pollution loads discharged to the river during these periods are minimised.

NOTE: For the purposes of this consent "winter" shall be understood to commence on 31 October and finish on 31 March and "summer" to commence on 1 April and finish on 30 October.

TABLE

Column 1	Column 2
Series of samples taken in any year	Maximum number of samples for given determinand permitted to exceed limit
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