

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Dŵr Cymru Cyfyngedig ("the Consent Holder")
c/o Environment Quality Scientist
Pentwyn Road
Nelson
Treharris
CF46 6LY

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 SEWAGE EFFLUENT**, as follows:

TREATED SEWAGE EFFLUENT

with respect to Modification of Consent No. CG0087501 served on the 25th day of September 2009.

FROM: LLANLLYFNI SEWAGE TREATMENT WORKS

AT: LLANLLYFNI, GWYNEDD

TO: AFON LLYFNI

FROM NOW ON the consent is modified as follows:

Substitution of condition 2 in Schedule CG0087501 01 by the following new condition 2:

COMPOSITION

2. (a) Subject to paragraph (b) below, the discharge shall not contain more than;
- (i) 23 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)
 - (ii) 31 milligrammes per litre of suspended solids (measured after drying at 105⁰C);
- (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.
- (c) The discharge shall not contain more than;
- (i) 58 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)

And

Addition of the following new condition 4 to Schedule CG0087501 01:

VOLUME

- 4.
- (a) The Dry Weather Flow of the discharge shall not exceed 1353.6 cubic metres per day. The consented Dry Weather Flow limit is set at the Consent Holder's planned annual 80%-exceeded flow.
 - (b) In determining compliance with this consent, the measured Dry Weather Flow is that total daily volume that is exceeded by 90% of the recorded measured total daily volume values in any period of 12 months.
 - (c) The numeric value of the measured Dry Weather Flow shall not exceed the numeric value of the consented Dry Weather Flow limit.
 - (d) If the measured Dry Weather Flow exceeds the consented Dry Weather Flow limit then the Consent Holder shall as soon as is practicable investigate the reasons for the exceedance. The Consent Holder shall report the reasons for the exceedance to the Environment Agency and the steps that it proposes to take to restore compliance. An exceedance of the Dry Weather Flow limit shall not be recorded as a failure if the Consent Holder takes appropriate steps to restore compliance.
 - (e) If the measured Dry Weather Flow exceeds the consented Dry Weather limit because of unusual rainfall during the 12-month period, then it will not be recorded as a failure of the Dry Weather Flow limit. For the purposes of this condition, unusual rainfall shall mean rainfall that causes significantly higher sewage flows during the three-month period that normally records the lowest flows.
 - (f) For unusual rainfall to be considered, the Consent Holder shall notify the Agency and provide supporting evidence as part of the normal specified data returns.

And

Substitution of conditions F1, F2, F3, F4, F5 and F6 in Schedule CG0087501 01/F by the following new conditions:

FLOW MEASUREMENT

- F1 A continuous flow measurement and recording system ("the flow system") that complies with the MCERTS Flow Monitoring scheme, shall be provided and operated to record the total daily volume of the discharge.
- F2 The flow system shall also measure and record either the instantaneous flow at least every 15 minutes or the 15-minute averaged flow every 15 minutes. The Consent Holder shall provide and operate an on-site visual display from which the Agency can readily obtain the instantaneous or 15-minute averaged flow readings.

- F3 The Consent Holder shall hold records of the total daily volume and the 15-minute flow readings.
- F4 As soon as reasonably practicable after installation of the flow system and before the expiry of any certificate issued, the Consent Holder shall employ an independent expert to certify that the flow system complies with the MCERTS Flow Monitoring scheme.
- F5 The Consent Holder shall immediately on issue provide a copy of the MCERTS certificate to the Agency and shall provide a copy of the independent expert's report to the Agency on request.
- F6 The Consent Holder shall ensure that the flow system is always subject to a current MCERTS certificate.
- F7 The Consent Holder shall produce and maintain documented procedures for the calibration, operation and maintenance of the flow system ("maintenance procedures").
- F8 The Consent Holder shall employ an independent expert to certify that the maintenance procedures comply with the MCERTS requirements.
- F9 The Consent Holder shall calibrate, operate and maintain the flow system in accordance with the maintenance procedures. The Consent Holder shall keep a record of the maintenance procedures and maintenance records available for inspection by the Agency and provide a copy to the Agency on request.
- F10 The Consent Holder shall produce and maintain a formal Quality Management System ("QMS") for the management of the flow system and the implementation of the maintenance procedures. An appropriate independent certifier shall certify the QMS.
- F11 The Consent Holder shall record all failures of the flow system and any other breaks in the flow record. The reasons for all failures and breaks that lead to missing or suspect total daily volume records and all steps taken to prevent a re-occurrence shall be recorded.
- F12 The Consent Holder shall ensure that the flow system remains fully operational at all times and shall remedy any failures as soon as reasonably practicable.
- F13 The Consent Holder shall provide records of the flow readings and the reasons for any significant breaks in the record when requested, in a format specified by the Agency.
- F14 Flows of the Discharge shall be measured at the location identified by the MCERTS inspector in Report Reference Number HS0164/d2/77 or such other point as is agreed by the Agency.

FROM 31ST MARCH 2015 the consent is modified as follows:

Substitution of condition 2 in Schedule CG0087501 01 by the following new condition:

COMPOSITION

- 2 (a) Subject to paragraph (b) below, the discharge shall not contain more than;
- (i) 23 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)
 - (ii) 31 milligrammes per litre of suspended solids (measured after drying at 105⁰C);
 - (iii) 6.5 milligrammes per litre of ammoniacal nitrogen (expressed as N)
- (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.
- (c) The discharge shall not contain more than;
- (i) 58 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)
 - (ii) 87 milligrammes per litre of suspended solids (measured after drying at 105⁰C);
 - (iii) 27 milligrammes per litre of ammoniacal nitrogen (expressed as N)

NOTE. All other conditions of this consent remain unaltered and in force. This modification of consent should be read in conjunction with, and attached to Schedule 01 of Consent No. CG0087501.

Under the provisions of Paragraphs 7 and 8 of Schedule 10 to 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.

This modification is served on 26th day of March 2010

This modification takes effect on 26th day of June 2010

Signed 

Terry Gulliford – Acting National Permitting Team Leader

Annex 1

95% Percentiles Look Up Table

Series of samples
taken in any year

Maximum number of samples
for given determinand permitted to
exceed limit

Column 1

Column 2

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