

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:

Secondary Treated Sewage Effluent
with respect to Modification No. CG0073901 served on the 29th day of June 2009.

FROM: Llanrug Wastewater Treatment Works

AT: Off Fford Crawia, Llanrug, Caernarfon, Gwynedd, LL55 4BS

TO: The Afon Rhythallt

FROM NOW ON the consent is modified as follows:

Substitution of condition 4, 5, 6, 7, 8, 9, 10, 11 and 12 CG0073901 01 by the following new conditions 5 and 7:

5. VOLUME

- (a) The Dry Weather Flow of the Discharge shall not exceed 897.6 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 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 Flow

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.

7. FLOW MEASUREMENT

- (a) A continuous flow measurement and recording system (“the flow system”) that complies with the MCERTS Flow Monitoring scheme shall be provided by a date specified by the Agency and operated to record the total daily volume of the discharge;
- (b) The flow system shall also measure and record either the instantaneous flow at least every 15 minutes or the 15-minute average 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;
- (c) The Consent Holder shall hold records of the total daily volume and the 15-minute flow readings;
- (d) 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;
- (e) The Consent Holder shall immediately on issue provide a copy of the MCERTS certificate to the Environment Agency and shall provide a copy of the independent expert’s report to the Environment Agency on request;
- (f) The Consent Holder shall ensure that the flow system is always subject to a current MCERTS certificate;
- (g) The Consent Holder shall produce and maintain documented procedures for the calibration, operation and maintenance of the flow system (“maintenance procedures”);
- (h) The Consent Holder shall employ an independent expert to certify that the maintenance procedures comply with the MCERTS requirements;
- (i) 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;
- (j) 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;
- (k) 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.
- (l) 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;
- (m) 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;
- (n) Flows of sewage through the treatment works shall be measured at the outlet, or such other point as is agreed by the Environment Agency.

As from 31st March 2015 the consent is modified as follows:

Substitution of conditions 13 and 14, CG0073901 01 by the following new conditions 13 and 14:

13. COMPOSITION

- (a) Subject to paragraph (b) below the discharge shall not contain more than;
- (i) 35 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)
- (ii) 56 milligrammes per litre of suspended solids (measured after drying at 105⁰C);
- (iii) 28 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.

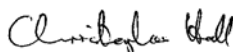
14. The discharge shall not contain more than

- (i) 70 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20⁰ C with nitrification suppressed by the addition of allyl-thiourea)
- (ii) 112 milligrammes per litre of suspended solids (measured after drying at 105⁰C);
- (iii) 58 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 CG0073901.

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 31st day of March 2010
This modification takes effect on 30th day of June 2010



Signed

Christopher Hall

Team Leader – National Permitting