



**Cyfoeth  
Naturiol**  
Cymru  
**Natural  
Resources**  
Wales

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Dŵr Cymru Cyfyngedig

Llyn Cefni Water Treatment Works  
Off B5109  
Bodffordd  
Llangefni  
Ynys Môn  
LL77 7PQ

Variation application number

CG0176901/V002

Consolidated permit number

CG0176901

# Llyn Cefni Water Treatment Works

## Consolidated permit number CG0176901

### Introductory note

**This introductory note does not form a part of the notice.**

The following notice gives notice of the variation of environmental permits CG0176901, CG0177001 & CG0176801 referred to in the status logs below and the replacement of those permits with a consolidated environmental permit.

This permit consolidates 3 regulated discharges at Llyn Cefni water treatment works. The variation is to increase the maximum daily volume, increase the maximum daily flow rate, and to add iron, aluminium and suspended solids limits to the consolidated environmental permit.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

#### Status Log of permit A: CG0176901

Description	Date	Comments
Application received (variation and consolidation)	Duly made 04/04/2016	Application to vary and consolidate an environmental permit that regulates the discharge of trade effluent.
Permit determined CG0176901	10/08/2016	Variation issued to Dŵr Cymru Cyfyngedig.

#### Status Log of permit B: CG0177001

Description	Date	Comments
Application received (variation and consolidation)	Duly made 04/04/2016	Application to vary and consolidate an environmental permit that regulates the discharge of trade effluent.
Permit determined CG017701	10/08/2016	Variation issued to Dŵr Cymru Cyfyngedig.

**Status Log of permit C: CG0176801**

<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received (variation and consolidation)	Duly made 04/04/2016	Application to vary and consolidate an environmental permit that regulates the discharge of trade effluent.
Permit determined CG0176801	10/08/2016	Variation issued to Dŵr Cymru Cyfyngedig.

End of introductory note

## Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates environmental permits

**permit numbers**

**CG0176901**

**CG0177001**

**CG0176801**

**issued to:**

**Dŵr Cymru Cyfyngedig** (“the operator”)

whose registered office is

**Pentwyn Road  
Nelson  
Treharris  
Mid Glamorgan  
CF46 6LY**

company registration number 02366777

to operate a regulated facility at

**Llyn Cefni Water Treatment Works  
Off B5109  
Bodffordd  
Llangefni  
Ynys Môn  
LL77 7PQ**

to the extent set out in the schedules.

The notice shall take effect from 10/08/2016

**The number of the consolidated permit is CG0176901**

Name	Date
<b>Emily Roe</b>	<b>10/08/2016</b>

Authorised on behalf of Natural Resources Wales

### **Schedule 1 – changes in the permit**

**Note:** The conditions numbers used in this schedule refer to those in the consolidated permit.

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

### **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**CG0176901**

This is the consolidated permit referred to in the variation and consolidation notice authorising

**Dŵr Cymru Cyfyngedig** (“the operator”)

whose registered office is

**Pentwyn Road**  
**Nelson**  
**Treharris**  
**Mid Glamorgan**  
**CF46 6LY**

company registration number 02366777

to operate a regulated facility at

**Llyn Cefni Water Treatment Works**  
**Off B5109**  
**Bodffordd**  
**Llangefni**  
**Ynys Môn**  
**LL77 7PQ**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
<b>Emily Roe</b>	<b>10/08/2016</b>

Authorised on behalf of Natural Resources Wales

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of the permit.

## 2 Operations

### 2.1 Permitted activities

2.1.1 The only activities authorised by the permit is the activity specified in schedule 1 table S1.1.

### 2.2 The site

2.2.1 The discharge activities shall take place at the discharge points marked on the site plan at schedule 7 to this permit, and as listed in table S3.2.

## 3 Emissions and monitoring

### 3.1 Emissions to water

3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.

### 3.2 Emissions of substances not controlled by emission limits

3.2.1 The operator shall take appropriate measures to minimise so far as reasonably practicable the polluting effects of the emissions of substances in the discharge not controlled by emission limits (excluding odour).

### 3.3 Monitoring

3.3.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1 and S3.3.

3.3.2 The operator shall maintain records of all monitoring required by this permit.

3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.

- 3.3.4 Accessible monitoring points shall be provided and maintained to enable the emissions monitoring programme to be carried out at the monitoring points specified in table S3.3 of schedule 3 and shown marked on the site plan in schedule 7.
- 3.3.5 The monitoring programme for the parameters subject to schedule 3B shall be:
- (a) pre-scheduled to cover a calendar year and the programme recorded before the start of a calendar year sample period; and
  - (b) spot samples collected at approximately equal intervals during the year, including samples from different days of the week and different times. Approximately 10% of samples should be outside the normal sampling window which is 9am-3pm, Monday to Friday.
- 3.3.6 After becoming aware, or following a notification that a sample has not been taken on the schedule 3B Monitoring Programme pre-scheduled date, or is lost, or a result for that sample cannot be reported, the operator shall record the details and reschedule the sample.

## 4 Information

### 4.1 Records

- 4.1.1 All records required to be made by schedule 3, 4 and 5 to this permit shall:
- (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plan and management system required to be maintained by this permit.

### 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 Within the time period after the end of the reporting period specified in schedule 4 table S4.1 the operator shall, unless otherwise agreed in writing by Natural Resources Wales, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and monitoring points specified in schedule 4 table S4.1;
  - (b) [for the reporting periods specified in schedule 4 table S4.1 and] using the forms specified in schedule 4 table S4.2; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

### 4.3 Notifications

- 4.3.1 Natural Resources Wales shall be notified as soon as reasonably practicable following detection, within the site of the regulated facility of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution; and
  - (b) any breach of a limit specified in schedule 3 table S3.1.

- (c) any other significant adverse environmental effects, which may have been caused by the activity, shall also be notified to Natural Resources Wales as soon as reasonably practicable following detection.

4.3.2 The information provided under condition 4.3.1 shall be supported by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling specified in schedule 3B, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

4.3.5 Where the operator proposes to make a change in the nature of the activity by increasing the concentration of, or the addition of, or allowing the introduction of, a substance to the activity to an extent that the operator considers could have a significant adverse environmental effect on the receiving waters, and the change is not permitted by emission limits specified within schedule 3 table S3.1 or the subject of an application for approval under the EP Regulations or under the terms of this permit:

- (a) Natural Resources Wales shall be notified in writing at least 14 days before the increase or addition or allowing the introduction; and
- (b) the notification shall contain a description of the proposed change.

## 4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "as soon as reasonably practicable", in which case it may be provided by telephone.

# Schedule 1 – Operations

<b>Table S1.1 Activities</b>		
<b>Activity reference</b>	<b>Description of activity</b>	<b>Limits of specified activity</b>
A1	Trade effluent from a water treatment works comprising dechlorinated analyser waste; supernatant from dewatered sludge and filter backwashing and run-to-waste activities	N/A
A2	Trade effluent from a settlement lagoon serving a water treatment works comprising dechlorinated analyser waste; supernatant from dewatered sludge and filter backwashing; supernatant from settled WTW sludge, solutions and clarified water and borehole flushings.	N/A
A3		

## **Schedule 2 – Waste types, raw materials and fuels**

Schedule 2 not in use.

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements**

Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
A1 via outlet 1	Maximum daily discharge volume	600 m <sup>3</sup> /day	Total daily volume	N/A	N/A or Continuous	Maximum
	Maximum rate of discharge	7 litres per second	Instantaneous (spot sample)	N/A	N/A or Continuous	Maximum
	15-minute instantaneous or averaged flow	No limit set. Record as l/s	15 minute	N/A	Continuous	N/A
	Suspended solids (measured after drying at 105°C)	100 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Total available chlorine	40 ug/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Iron	5000 ug/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Aluminium	10000 ug/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
A2 & A3 via outlet 2 & outlet 3	Maximum daily discharge volume	22 m <sup>3</sup> /day	Total daily volume	N/A	N/A or Continuous	Maximum
	Maximum rate of discharge	1 litres per second	Instantaneous (spot sample)	N/A	N/A or Continuous	Maximum
	15-minute instantaneous or averaged flow	No limit set. Record as l/s	15 minute	N/A	Continuous	N/A
	Suspended solids (measured after drying at 105°C)	100 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Total available chlorine	40 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum

**Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements**

Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
	Iron	5000 ug/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Aluminium	10000 ug/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum

**Table S3.2 Discharge points**

Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
A1	Outlet 1	SH 44600 77020	Afon Cefni
A2	Outlet 2	SH 44600 77070	Afon Cefni
A3	Outlet 3	SH 44610 76970	Afon Cefni

**Table S3.3 Monitoring points**

Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
A1 Trade effluent via Outlet 1	Effluent sampling	SH 44600 77020	M1
A2 Trade effluent via Outlet 2	Effluent sampling	SH 44600 77070	M2
A3 Trade effluent via Outlet 3	Effluent sampling	SH 44610 76970	M3
A1 Trade effluent via Outlet 1	MCerts flow monitoring	SH 44533 77023	F1

## Schedule 3B - OSM tier 2 sampling frequency

Tier 2 Category	Parameter	Normal frequency of samples per year	Reduced Sampling frequency after 12 consecutive months of numeric permit compliance, samples per year or pro rata over the remainder of a year	On numeric limit failure return to normal frequency as soon as reasonably practicable, samples per 12 months	Out of hours samples
> 5m <sup>3</sup> /d (but not in tier 3) with numeric limits for ammoniacal nitrogen (expressed as N), nutrients, hazardous pollutants, UWWTR self monitoring	Sanitary	12	6	12	For 12 samples 1 out of hours sample per annum, for 6, 1 every 2 years on average
	Non sanitary	6	6	6	
>20 m <sup>3</sup> /d (but not in tier3) with numeric limits for one or more of biochemical oxygen demand or suspended solids or pH or temperature only.	Sanitary	12	4	12	For 12 samples 1 out of hours sample per annum, for 4, 1 every 3 years on average

# Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Monitoring point reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Total daily volume	F1	Annually	1 January
15-minute flow	F1	Reports to be provided to Natural Resources Wales upon request	Upon request by Natural Resources Wales
Operator Self Monitoring - ATU-BOD as O <sub>2</sub> , ammoniacal nitrogen (expressed as N), suspended solids (measured after drying at 105°C), total phosphorus as P, total iron as Fe	M1, M2, M3	Quarterly	1st of month
Operator Self Monitoring summary report	M1, M2, M3	Annually	1 January

<b>Table S4.2 Reporting forms</b>	
<b>Parameter</b>	<b>Reporting format</b>
Total daily volume	WISKI electronic format specified by Natural Resources Wales
15-minute flow	WISKI electronic format specified by Natural Resources Wales
OSM - ATU-BOD as O <sub>2</sub> , ammoniacal nitrogen (expressed as N), suspended solids (measured after drying at 105°C), total phosphorus as P, total iron as Fe	Quarterly - Electronic format specified by Natural Resources Wales
Operator Self Monitoring summary report	Annually - Summary report of compliance with the monitoring programme specified in Table 3.1 and Schedule 3B in a format specified by Natural Resources Wales

## Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

### Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

**(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution**

**To be notified within 7 days of detection unless otherwise agreed in writing by Natural Resources Wales**

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released/type or nature of sewage released	
Best estimate of the quantity or rate of release of substances and/or duration of discharge	
Best estimate of the environmental impact of the discharge	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

**(b) Notification requirements for the breach of a limit specified in schedule 3 table S3.1**

**The information specified below is to be notified to Natural Resources Wales as soon as reasonably practicable following detection.**

Monitoring point reference/ source	
Self monitoring regime (where relevant)	
Type of failure	
Date of sample/event	
Parameter	
Result and units	
Limit and units	

**(c) Notification requirements for the detection of any significant adverse environmental effect**

**To be notified within 24 hours of detection**

Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

**Part B – to be submitted as soon as reasonably practicable unless otherwise agreed in writing by Natural Resources Wales**

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident/breach/exceedance	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

"annually" means once every year.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“appropriate measures” for the purposes of the emission of substances not controlled by emission limits condition (condition 3.2.1) do not require the operator to undertake treatment to a level beyond that specified in schedule 1 table S1.1, or to carry out routine monitoring for substances not controlled by emission limits.

“ATU-BOD as O<sub>2</sub>” means the biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea).

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the permitted activities, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“MCERTS” means Natural Resources Wales’ Monitoring Certification Scheme.

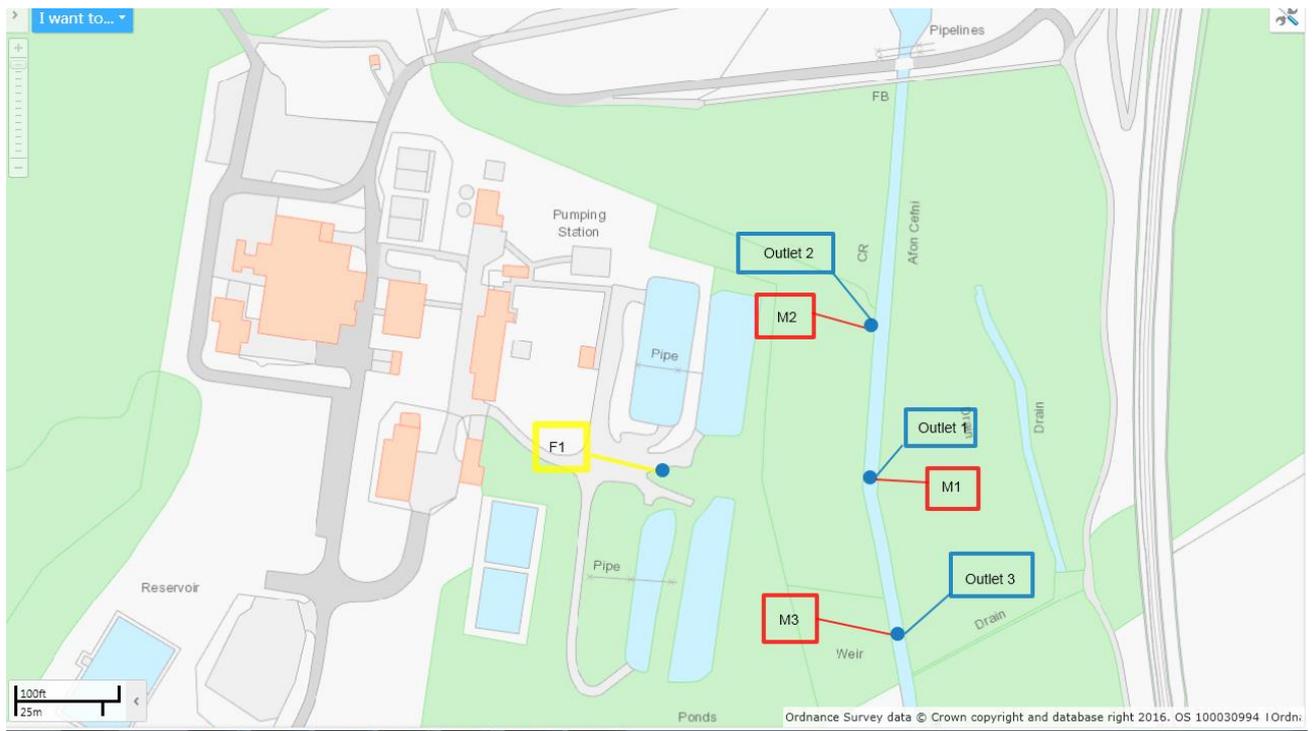
“Natural Resources Wales” means the Natural Resources Body for Wales established by article 3 of the Natural Resources Body for Wales (Establishment) Order 2012. The Natural Resources Body for Wales (Functions) Order 2013 transferred the relevant functions of the Countryside Council for Wales, and functions of the Environment Agency and the Forestry Commission in Wales to the Natural Resources Body for Wales.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“significant pollution” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



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END OF PERMIT