

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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Dŵr Cymru Cyfyngedig

Eithinfynydd Water Treatment Works  
Talybont  
Gwynedd  
LL43 2BA

Variation application number

PAN-002638

Permit number

CG0133101

# Eithinfynydd Water Treatment Works

## Permit number CG0133101

### Introductory note

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

The following notice gives notice of the variation and consolidation of an environmental permit.

The sample point National Grid References for the Combined analyser waste stream discharge and the Post GAC delivery rinse have been amended.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application CG0133101/V001 (variation and consolidation)	13/01/2011	
Variation determined CG0133101 (varied and consolidated permit issued)	13/05/2011	
Application PAN-002638 (variation and consolidation)	16/04/2018	Application to vary the sample point locations
Variation determined CG0133101 (varied and consolidated permit issued)	27/06/2018	Varied and consolidated permit issued in modern condition format

End of introductory note

## Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

**Permit number**  
**CG0133101**

**issued to:**  
**Dŵr Cymru Cyfyngedig** (“the operator”)

whose registered office is

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

company registration number 02366777

to operate a regulated facility at

**Eithinfynydd Water Treatment Works**  
**Talybont**  
**Gwynedd**  
**LL43 2BA**

to the extent set out in the schedules.

The notice shall take effect from 27/06/2018

Name	Date
<b>Terry Gulliford</b>	<b>27/06/2018</b>

Authorised on behalf of Natural Resources Wales

## **Schedule 1**

The following conditions were varied as a result of the application made by the operator:

- Table 3.3
- Table 4.1
- Site Map in Schedule 7

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

**Permit number**  
**CG0133101**

This is the consolidated permit referred to in the variation and consolidation notice for application PAN-002638 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 water discharge activity at

**Eithinfynydd Water Treatment Works**  
**Talybont**  
**Gwynedd**  
**LL43 2BA**

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

Name	Date
<b>Terry Gulliford</b>	<b>27/06/2018</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 it kept at or near the place where those duties are carried out.

## 2 Operations

### 2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

### 2.2 The site

2.2.1 The discharge activity shall take place at the discharge point marked on the site plan at schedule 7 to this permit, and as listed in table S3.2; and, the operating technique that is the subject of conditions prefixed by 2.3 shall be applied at the location shown, or otherwise described, in schedule 7.

## 3 Emissions and monitoring

### 3.1 Emissions to water

3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.

3.1.2 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 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

### **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 including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data

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 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emissions points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by Natural Resources Wales

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 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 keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

## 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 28 days of the end of the reporting period 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 without delay following the detection 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 the permit; or
  - (c) any significant adverse environmental effects
- 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, 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 or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
  - (b) the notification shall contain a description of the proposed change in operation.

## **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	Combined analyser waste stream discharge	N/A
A2	Post GAC delivery rinse	The activity must not occur for more than one week per year, unless otherwise agreed in writing by Natural Resources Wales

## **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 Combined analyser waste stream discharged via Outlet 1	Maximum daily discharge volume	30 m <sup>3</sup> /day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105°C)	50 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Total available chlorine	50 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Minimum and maximum
	Total iron as iron	5000 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Aluminium	1000 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A2 Post GAC delivery rinse via Outlet 1	Maximum daily discharge volume	430m <sup>3</sup> /day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105°C)	50 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Total available chlorine	50 µg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Total iron as iron	5000 µg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Aluminium	1000 µg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace

**Table S3.2 Discharge points**

<b>Effluent Name</b>	<b>Discharge Point</b>	<b>Discharge point NGR</b>	<b>Receiving water/Environment</b>
A1 Combined analyser waste stream discharge via Outlet 1	Outlet 1 – Discharge Point	SH 60006 21596	A stream draining to Barmouth Bay
A2 Post GAC delivery rinse via Outlet 1	Outlet 1 – Discharge Point	SH 60006 21596	A stream draining to Barmouth Bay

**Table S3.3 Monitoring points**

<b>Effluents and discharge points</b>	<b>Monitoring type</b>	<b>Monitoring point NGR</b>	<b>Monitoring Point Reference</b>
A1 Combined analyser waste stream discharge via Outlet 1	MP1 Combined Analyser Waste Stream – Monitoring Point	SH 60175 21694	MP1 Combined analyser waste stream – monitoring point
A2 Post GAC delivery rinse via Outlet 1	MP2 Post GAC Delivery Rinse – Monitoring Point	SH 60059 21654	MP2 Post GAC delivery rinse – monitoring point

## 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>
A1 - Operator Self Monitoring; Suspended Solids, Total available chlorine, pH, Total iron as iron and Aluminium	MP1 Combined Analyser Waste Stream – Monitoring Point	Quarterly, plus annual summary	1 <sup>st</sup> of month
A2 - Operator Self Monitoring; Suspended Solids, Total available chlorine, pH, Total iron as iron and Aluminium	MP2 Post GAC Delivery Rinse – Monitoring Point	Quarterly, plus annual summary	1 <sup>st</sup> of month

<b>Table S4.2 Reporting forms</b>	
<b>Parameter</b>	<b>Reporting format</b>
A1 - Operator Self Monitoring; Suspended Solids, Total available chlorine, pH, Total iron as iron and Aluminium	Electronic format specified by Natural Resources Wales
A2 - Operator Self Monitoring; Suspended Solids, Total available chlorine, pH, Total iron as iron and Aluminium	Electronic 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	CG0133101
Name of operator	
Location of Facility	Eithinfynydd Water Treatment Works, Talybont, Gwynedd, LL43 2BA
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 24 hours of detection**

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>(b) Notification requirements for the breach of a limit specified in schedule 3 table S3.1</b>	
<b>The information specified below is to be notified to Natural Resources Wales as soon as reasonably practicable following detection.</b>	
Monitoring point reference/ source	
Self monitoring regime (where relevant)	
Type of failure	
Date of sample/event	
Parameter	
Result and units	
Limit and units	

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.

“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 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

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

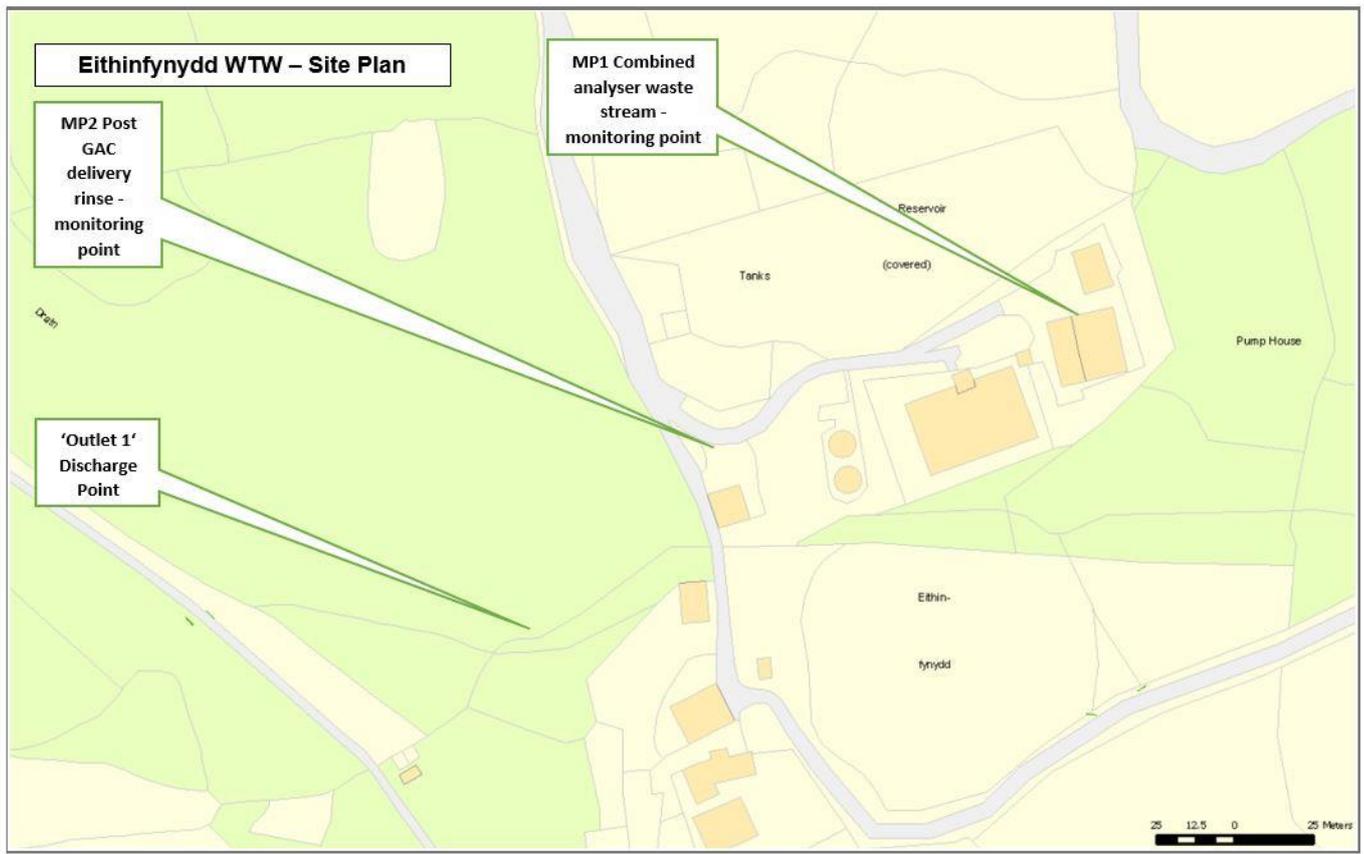
“Natural Resources Wales” means the Natural Resources Body for Wales established by article 3 of the Natural Resources Body for Wales (Establishment) Order 2012. The Natural Resources Body for Wales (Functions) Order 2013 transferred the relevant functions of the Countryside Council for Wales, and functions 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 high level impact incident as indicated by NRW incident classification system.

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



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END OF PERMIT