

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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Dŵr Cymru Cyfyngedig

Four Crosses Wastewater Treatment  
Works  
Glanyrafon  
Clwyd  
Corwen  
LL21 0EP

Variation application number  
CM0190001/V002

Permit number

CM0190001

# Four Crosses Wastewater Treatment Works

## Permit number CM0190001

### 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.

Following a review of the existing permit this variation notice changes the conditions to ensure compliance with the Environmental Permitting (England and Wales) Regulations 2016. There are no changes to the groundwater activity.

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 the permit		
Description	Date	Comments
Application received CM0190001/V002 (variation and consolidation)	Duly made 09/02/2017	NRW initiated variation to update GWDD to EPR conditions.
Variation determined CM0190001	27/04/2017	GWDD EPR update. 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**  
**CM0190001**

**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

**Four Crosses Wastewater Treatment Works**  
**Glan-yr-Afon**  
**Corwen**  
**LL21 0EP**

to the extent set out in the schedules.

The notice shall take effect from 27/04/2017

Name

Date

<b>Emily Roe</b>	<b>27/04/2017</b>
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Authorised on behalf of Natural Resources Wales

**Schedule 1**

All conditions have been varied by the consolidated permit as a result of a Natural Resources Wales initiated variation.

**Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

**Permit number**  
**CM0190001**

This is the consolidated permit referred to in the variation and consolidation notice for application CM0190001/V002 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 groundwater activity at

**Four Crosses Wastewater Treatment Works**  
**Glanyrafon**  
**Clwyd**  
**Corwen**  
**LL21 0EP**

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

Name	Date
<b>Emily Roe</b>	<b>27/04/2017</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 activity:
- (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 activity authorised by the permit is the activity specified in schedule 1 table S1.1.

### 2.2 The site

- 2.2.1 The groundwater 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.

## 3 Emissions and monitoring

### 3.1 Emissions to water or land

- 3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.
- 3.1.2
- (a) For the emission limits in schedule 3 table S3.1 to which this condition applies, no inspection of the discharge made at a time when unusual weather conditions are adversely affecting the operation of the waste water treatment works, shall be taken into account in deciding whether or not the emission limit has been complied with.
  - (b) On any occasion where unusual weather conditions adversely affect the operation of the waste water treatment works, the operator shall use its best endeavours to mitigate that adverse effect.
  - (c) For any inspection of the discharge to be considered for the purposes of (a) above, the operator shall notify Natural Resources Wales in writing within 14 days of becoming aware that an emission limit has been exceeded. That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

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

- 3.2.1 For the activity referenced in schedule 1, table S1.1 the operator shall take appropriate measures as far as is reasonably practicable:

- (a) to prevent the input of hazardous substances to groundwater; and
- (b) where a non-hazardous pollutant is not controlled by an emission limit, to limit the input of such non-hazardous pollutants to groundwater so as to ensure that inputs do not cause pollution of groundwater.

### 3.3 Monitoring

- 3.3.1 An accessible monitoring point shall be provided and maintained to enable the emissions monitoring programme to be carried out at the monitoring point specified in table S3.3 of schedule 3 and shown marked on the site plan in schedule 7.

## 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.

### 4.3 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.
- 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 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.

- 4.3.4 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 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

Table S1.1 Activities	
Description of activity	Limits of specified activity
Groundwater activity: discharge into land of septic tank effluent	N/A

## **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) and land – emission limits and monitoring requirements**

Effluent and discharge point	Parameter	Limit (including unit)	Reference Period	Monitoring method	Limit of effective range	Monitoring frequency	Compliance Statistic
Septic tank effluent via Groundwater Discharge Point (drainage field)	Dry weather flow	1.7 m <sup>3</sup> /day	Total daily volume	N/A	N/A	N/A	Maximum
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	Visual examination	N/A	N/A	No significant trace (Condition 3.1.2 applies)

**Table S3.2 Discharge points**

Effluent Name	Discharge Point	Discharge point NGR	Receiving Environment
Septic tank effluent	Groundwater Discharge Point (drainage field)	SJ 03307 42947	Groundwater via a drainage field

**Table S3.3 Monitoring points**

Effluent and discharge point	Monitoring type	Monitoring point NGR	Monitoring point reference
Septic tank effluent via Groundwater Discharge Point (drainage field)	Effluent sampling	SJ 03311 42947	Effluent monitoring point.

## Schedule 4 – Reporting

Schedule 4 not in use.

## 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	CM0190001
Name of operator	Dŵr Cymru Cyfyngedig
Location of Facility	Four Crosses Wastewater Treatment Works
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>(b) Notification requirements for the breach of a limit specified in schedule 3 table S3.1</b>	
<b>To be notified within 7 days of detection unless otherwise agreed in writing by Natural Resources Wales</b>	
Description of where the effect on the environment was detected	
Description of and best estimate of the scale of environmental impact of the discharge	

**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.

“Dry weather flow” (DWF), measured as m<sup>3</sup>/d, is defined as follows:  $DWF = PG + I_{DWF} + E$ , where P = population in the catchment, G = per capita domestic sewage flow,  $I_{DWF}$  = dry weather infiltration, and E = trade effluent flow.

“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.

“emissions to land” includes emissions to groundwater.

“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.

“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.

“unusual weather conditions” includes, but is not limited to:

- low ambient temperatures, or the freezing of mechanical equipment in the works;
- significant snow deposits;
- tidal or fluvial flooding;
- weather conditions causing unforeseen loss of power supply to the sewage treatment that could not be ameliorated by the reasonable provision and operation of standby generation facilities.

“year” means calendar year ending 31 December.

## Schedule 7 – Site plan



END OF PERMIT