

# **Notice of variation and consolidation with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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Dŵr Cymru Cyfyngedig

Settled Storm Overflow at Ferwig Wastewater  
Treatment Works  
Track past 'Maes Enia'  
Nr Cardigan  
Ceredigion  
SA43 1PX

Variation application number  
PAN-008754

Permit number  
BH0073802

# **Settled Storm Overflow at Ferwig Wastewater Treatment Works**

## **Permit Number BH0073802**

### **Introductory note**

#### **This introductory note does not form a part of the permit**

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

The permit has been varied to include event duration monitoring as part of the AMP environmental improvement programme.

The schedules specify the changes made to the permit.

The status log of the 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>Detail</b>	<b>Date</b>	<b>Comments</b>
Regulator-initiated variation Application PAN-008754	Duly Made 01/12/2019	AMP programme EDM variation.
Variation Issued BH0073802	15/03/2021	Varied permit issued to Dŵr Cymru Cyfyngedig.

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

**BH0073802**

Issued to

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

whose registered office is

**Linea**

**Fortran Road**

**St Mellons**

**Cardiff**

**CF3 0LT**

company registration number **02366777**

to operate a water discharge activity at

**Settled Storm Overflow at Ferwig Wastewater Treatment Works**

**Track past 'Maes Enia'**

**Nr Cardigan**

**Ceredigion**

**SA43 1PX**

to the extent set out in the schedules.

The notice shall take effect from 15/03/2021.

Name

Date

<b>Emma Jones</b>	<b>15/03/2021</b>
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Authorised on behalf of Natural Resources Wales

**Schedule 1**

All the conditions have been varied as a result of a regulator-initiated variation.

**Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

**BH0073802**

This is the consolidated permit referred to in the variation and consolidation notice for application PAN-008754 authorising

**Dŵr Cymru Cyfyngedig** ("the operator")

whose registered office is

**Linea**

**Fortran Road**

**St Mellons**

**Cardiff**

**CF3 0LT**

company registration number **02366777**

to operate a water discharge activity at

**Settled Storm Overflow at Ferwig Wastewater Treatment Works**

**Track past 'Maes Enia'**

**Nr Cardigan**

**Ceredigion**

**SA43 1PX**

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

Name	Date
<b>Emma Jones</b>	<b>15/03/2021</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 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.

### 2.3 Operating techniques

2.3.1 For the discharge specified in table S3.3:

- (a) The discharge shall only occur when and only for as long as either:
  - (i) the flow passed forward is equal to or greater than the overflow setting indicated due to rainfall and/or snow melt or
  - (ii) the hydraulic capacity of the sewer network downstream of the combined sewer overflow is reached due to rainfall and/or snow melt and the level of storm sewage in the sewer at the combined sewer overflow is greater than the weir level of the overflow structure which is specified as an overflow setting in table S3.3.

The capacity of the sewer network downstream of the combined sewer overflow shall not be altered in any way which would lead to a significant increase in the frequency or volume of the discharge.

- (b) Off-line storm storage must be fully utilised before a discharge occurs. It shall only fill when the flow passed forward is equal to or greater than the overflow setting indicated due to rainfall and/or snow melt and shall be emptied and its contents returned to the continuation flow as soon as reasonably practicable. The minimum off-line storm storage required is specified in table S3.3.
- (c) On-line storm storage must be fully utilised before a discharge occurs. It shall only fill with the excess flows due to rainfall and/or snow melt. The storage shall be emptied and its contents returned to the continuation flow as soon as reasonably practicable. The minimum on-line storm storage required is specified in table S3.3.

- (d) The discharge shall not be comminuted or macerated.
- 2.3.2 For the activity referenced in schedule 1, table S1.1 where the discharge results in unsatisfactory solid matter being visible in the receiving waters or on the banks or shoreline, in the vicinity of the outfall, the operator shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable.

## **3 Emissions and monitoring**

### **3.1 Monitoring**

- 3.1.1 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 S3.4.
- 3.1.2 The operator shall maintain records of all monitoring required by this permit.
- 3.1.3 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 S3.4 of schedule 3 and shown marked on the site plan in schedule 7.
- 3.1.4 The operator shall take appropriate measures to ensure that the event recorder remains fully operational at all times within the reference period specified in table S3.1. Any failures shall be remedied as soon as reasonably practicable.

## **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 10 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 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. 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.

## 4.4 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
Discharge of settled storm sewage via POINT OF DISCHARGE	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) – emission limits and monitoring requirements						
Effluent and discharge point	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Settled storm sewage via POINT OF DISCHARGE	Discharge start and end times	N/A	N/A	N/A	Whenever a discharge occurs	N/A
	Block-counted spills	N/A	1 <sup>st</sup> January to 31 <sup>st</sup> December inclusive	N/A	15 minutes	N/A
	Event recorder status operational	N/A	N/A	N/A	15 minutes	N/A

Table S3.2 Discharge points			
Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Settled storm sewage	POINT OF DISCHARGE	SN 18281 49416	Nant Verwig

Table S3.3 Settled storm sewage discharge settings			
Effluent and discharge point	Description of discharge	Overflow setting l/s	Minimum storage capacity m <sup>3</sup>
Settled storm sewage via POINT OF DISCHARGE	Settled storm sewage	1.6	30

Table S3.4 Monitoring points			
Effluent and discharge point	Monitoring type	Monitoring point NGR	Monitoring point reference
Settled storm sewage via POINT OF DISCHARGE	Effluent sampling	SN 18285 49397	POINT OF OVERFLOW
	Event duration monitoring	SN 18285 49397	

## Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Monitoring point reference	Reporting period	Period begins
Event recorder status operational	POINT OF OVERFLOW	Annually Report to be submitted within 2 months	1 <sup>st</sup> January
CSO performance, including total number of block-counted spills		Annually Report to be submitted within 2 months	1 <sup>st</sup> January
Duration of total spills		Annually Report to be submitted within 2 months	1 <sup>st</sup> January
Settled storm sewage discharge start and end times		Reports to be provided to Natural Resources Wales upon request	As specified by Natural Resources Wales

Table S4.2 Reporting forms	
Parameter	Reporting format
Combined sewer overflow performance including number and duration of block-counted spills	Annual summary report or other form as agreed in writing by Natural Resources Wales
Settled storm sewage discharge start and end times	Form as agreed in writing by Natural Resources Wales
Event recorder status	Annual summary report or other form as agreed in writing by Natural Resources Wales Percentage of time in the recording period that event duration monitoring equipment is operational
Investigation into the operation of the overflow	Electronic format as agreed in writing 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	BH0073802
Name of operator	Dŵr Cymru Cyfyngedig
Location of Facility	Settled Storm Overflow at Ferwig Wastewater Treatment Works, Track past 'Maes Enia', Nr Cardigan, Ceredigion, SA43 1PX
Time and date of the detection	

<b>(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</b>	
<b>To be notified within 7 days of detection unless otherwise agreed in writing by Natural Resources Wales</b>	
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.	

**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.

“block-counted spill” one or more overflow events within a period of 12 hours or less will be considered to be one spill, one or more overflow events extending over a period of greater than 12 hours up to 36 hours will be considered to be 2 spills. Each subsequent 24-hour duration counts as 1 additional spill and the whole of the 24-hour block is included.

“event recorder” a recorder which records the start time and end time of individual overflow events

“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.

“minimum screen capacity flow” means the minimum flow passed through the screens to the outfall when the screen bypass operates.

“monitoring frequency” as used in Table S3.1 in the context of event duration monitoring is the temporal interval at which a change in state between no discharge and discharge is to be detected.

“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.

“overflow” for the purposes of schedule 7, overflow means the weir or orifice or other control which directs excess flow away from the continuation sewer when the flow exceeds the overflow setting due to rainfall and/or snowmelt.

“overflow event” any individual operation, of any duration, of the event recorder or any recorded discharge of sewage from the outfall.

“overflow setting” means the minimum flow passed forward to the continuation sewer when the overflow operates.

“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.

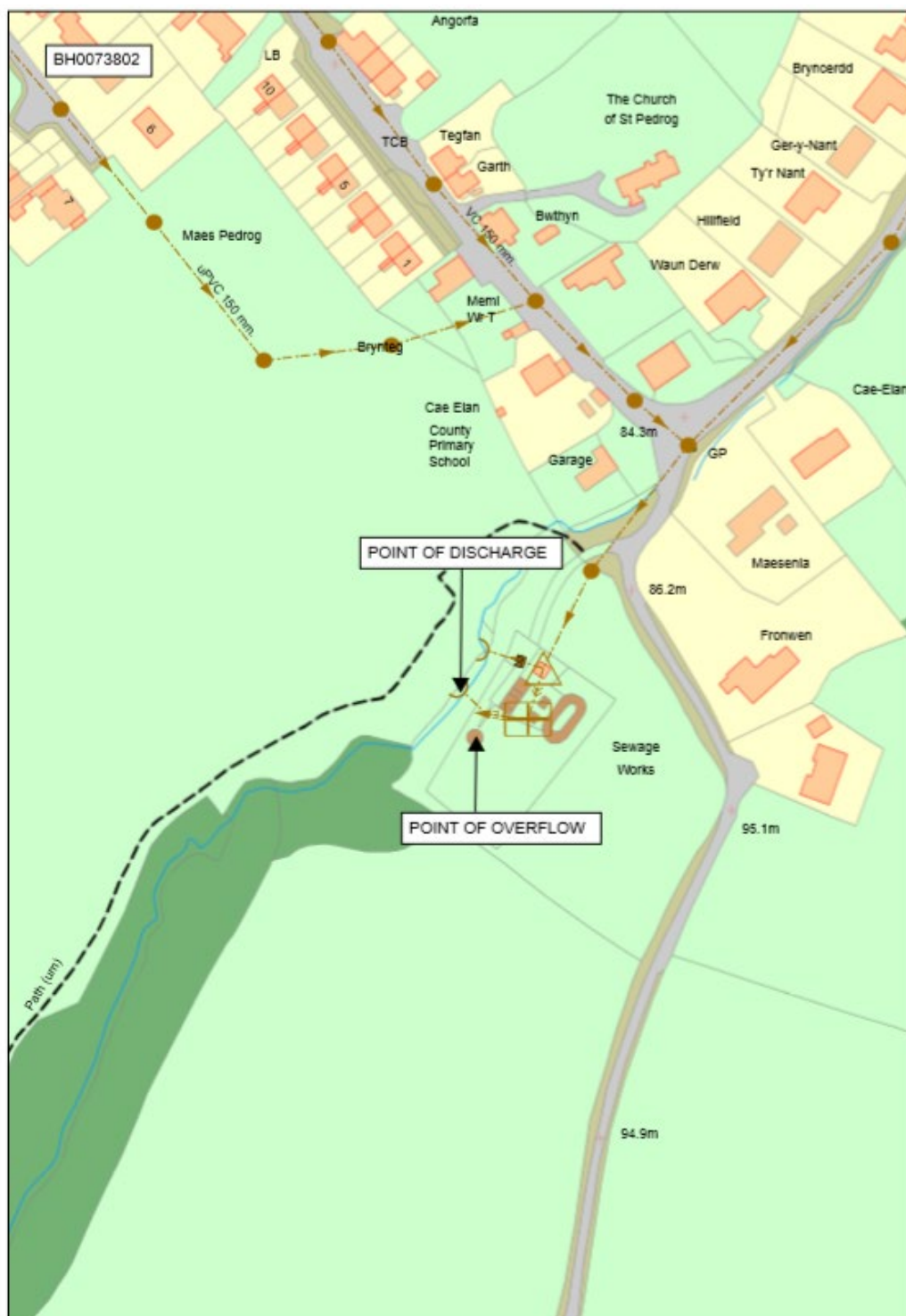
“significant spill” any spill that has not been demonstrated to have been, or measured as being, less than 50 m<sup>3</sup> in volume.

“SOAF” means Storm Overflow Assessment Framework.

“year” means calendar year ending 31 December.

“Formula A” is defined as  $(PG+I+E) + 1360P + 2E$  litres/day. Where P = population served, G = water consumption per head per day (litres/head/day) I = infiltration (litres/day) E = trade effluent flow to sewer (litres/day)

## Schedule 7 – Site plan



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END OF PERMIT