

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dŵr Cymru Cyfyngedig
Marlie Glascoed Wastewater Treatment
Works
Glascoed
Abergele
Denbighshire
LL22 9DS

Variation application number
CM0145301/V002

Permit number
CM0145301

Marli Glascoed Wastewater Treatment Works

Permit number CM0145301

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
NRW initiated variation CM0145301/V002 (variation and consolidation)	Duly made 09/02/2017	
Variation determined CM0145301	05/05/2017	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
CM0145301

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

whose registered office is

Pentwyn Road
Nelson
Treharris
CF46 6LY
company registration number 2366777

to operate a regulated facility at

Marli Glascoed Wastewater Treatment Works
Glascoed
Abergele
Denbighshire
LL22 9DS

to the extent set out in the schedules.

The notice shall take effect from 05/05/2017

Name

Date

Emily Roe

05/05/2017

Authorised on behalf of Natural Resources Wales

Schedule 1

All conditions have been varied by the consolidated permit as a result of an 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

CM0145301

This is the consolidated permit referred to in the variation and consolidation notice for application CM0145301/V002 authorising,

Dŵr Cymru Cyfyngedig (“the operator”),

whose registered office is

Pentwyn Road

Nelson

Treharris

CF46 6LY

company registration number 2366777

to operate a groundwater activity at

Marli Glascoed Wastewater Treatment Works

Glascoed

Abergele

Denbighshire

LL22 9DS

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

Name

Date

Emily Roe	05/05/2017
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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.

2.2.2 For the activity referenced in schedule 1, table S1.1 the operator shall comply with the relevant requirements of the Urban Waste Water Treatment (England and Wales) Regulations 1994.

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 The limits in schedule 3 table S3.1 to which this condition applies 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 schedule 3A, no more than the relevant number of samples, as listed in column 2 of schedule 3A, exceed the applicable limit for that relevant parameter. For relevant parameters subject to schedule 3C the assessment is based on a fixed calendar year from 1 January to 31 December inclusive.

3.1.3 For the emission limits in schedule 3 table S3.1 to which this condition applies, no sample of the discharge taken 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.

- (a) 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.
- (b) For any sample of the discharge taken 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.

3.1.4

- (a) The permitted Dry Weather Flow limit is set at the operator's planned annual 80% exceeded flow;

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 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;
- (b) surface water or groundwater specified in table S3.4.

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 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 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.

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.

4.3 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 including individual exceedances of limits which are covered by condition 3.1.2.

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 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.

4.3.5 For the activity referenced in schedule 1, table S1.1 the operator shall inform Natural Resources Wales in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Natural Resources Wales in writing of the actual population equivalent.

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 secondary treated sewage 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	Limit of effective range	Monitoring frequency	Compliance Statistic
Secondary treated sewage effluent via Groundwater Discharge Point	Dry weather flow	17 m ³ /day	Total daily volume	N/A	N/A	Condition 3.1.4 applies
	15-minute instantaneous or averaged flow	No limit set. Record as l/s.	15 minute	N/A	N/A	N/A
	ATU-BOD as O ₂	60 mg/l	Instantaneous (spot sample)	1 January to 31 December	As specified in schedule 3B	Look up table (Conditions 3.1.2 and 3.1.3 apply)
	Suspended solids (measured after drying at 105°C)	70 mg/l	Instantaneous (spot sample)	1 January to 31 December	As specified in schedule 3B	Look up table (Conditions 3.1.2 and 3.1.3 apply)
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	N/A	N/A	No significant trace (Condition 3.1.3 applies)

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water
Secondary treated sewage effluent	Groundwater Discharge Point	SH 99920 73660	Groundwater via an infiltration system

Table S3.3 Monitoring points

Effluent and discharge point	Monitoring type	Monitoring point NGR	Monitoring point reference
Secondary treated sewage effluent via Groundwater Discharge Point	Effluent sampling	SH 99930 73704	Effluent monitoring point
	MCerts flow monitoring	SH 99930 73704	Effluent monitoring point

Schedule 3A - Look up table

Look up table	
Number of samples taken in any period of 12 months	Maximum number of samples permitted to exceed limit for given parameter
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

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
> 5m3/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 m3/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.

Table S4.1 Reporting of monitoring data			
Parameter	Monitoring point reference	Reporting period	Period begins
Dry Weather Flow (daily flows total)	Effluent monitoring point	Annually Report to be submitted within 2 months of the end of the calendar year	1 January
15-minute flow	Effluent monitoring point	Reports to be provided to Natural Resources Wales upon request Report to be submitted within 2 months unless otherwise specified in writing by Natural Resources Wales	Upon request by Natural Resources Wales
Operator Self Monitoring - ATU-BOD as O ₂ and suspended solids (measured after drying at 105°C).	Effluent monitoring point	Quarterly Report to be submitted within 2 months	1st of month
Operator Self Monitoring summary report Operator Self Monitoring - ATU-BOD as O ₂ and suspended solids (measured after drying at 105°C).	Effluent monitoring point	Annually Report to be submitted within 2 months of the end of the calendar year	1 January

Table S4.2 Reporting forms	
Parameter	Reporting format
Dry Weather Flow (daily flows total)	WISKI electronic format specified by Natural Resources Wales
15-minute flow	WISKI electronic format specified by Natural Resources Wales
Operator Self Monitoring - ATU-BOD as O ₂ and suspended solids (measured after drying at 105°C).	Quarterly - Electronic format specified by Natural Resources Wales
Operator Self Monitoring summary report Operator Self Monitoring - ATU-BOD as O ₂ and suspended solids (measured after drying at 105°C).	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	CM0145301
Name of operator	Dŵr Cymru Cyfyngedig
Location of Facility	Marli Glascoed 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) Notification requirements for the breach of a limit specified in schedule 3 table S3.1 including individual exceedances of limits which are covered by condition 3.1.2.

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)	e.g. OSM/UWWTR
Type of failure	e.g. LUT failure/LUT exceedance/upper tier/other
Date of sample/event	
Parameter	
Result and units	
Limit and units	

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	

Name*	
Post	
Signature	
Date	

* 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 O₂” 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.

“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.

“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.

“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.

“Urban Waste Water Treatment (England and Wales) Regulations 1994(UWWTR)” means Urban Waste Water Treatment (England and Wales) Regulations 1994 SI 2841 and the words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT