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Wales**

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dŵr Cymru Cyfyngedig

Bryn Avenue Combined Sewer Overflow
Burry Port
Carmarthenshire
SA16 0SG

Variation application number
NPSWQD004969/V001

Permit number
NPSWQD004969

Bryn Avenue Combined Sewer Overflow

Permit Number NPSWQD004969

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The permit variation is to include a new flow control device at the site. The permit works in conjunction with the permit for Burry Port SPS, and will control the flow – and therefore the spills - at Burry Port SPS.

The number of spills at Bryn Avenue CSO has been varied from 2 spills to 15. This is to aid the decrease in spills at Burry Port SPS, and will result in an overall decrease in spill volumes when both sites are working in conjunction. This variation will maximise the use of Bryn Avenue CSO's existing storage before allowing it to spill.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application NPSWQD004969/A001	Duly made 21/02/2016	Application to vary environmental permit to amend spill control system at site.
Additional information received	01/02/2016	Confirmation of storage and screening on site.
Permit determined	01/06/2016	Permit issued to Dŵr Cymru Cyfyngedig.

End of introductory note

Notice of consolidation and variation

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

NPSWQD004969

The Natural Resources Body for Wales (“Natural Resources Wales”) hereby authorises, under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010

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

Bryn Avenue Combined Sewer Overflow

Burry Port

Carmarthenshire

SA16 0SG

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

The notice shall take effect from 01/06/2016

Name	Date
Emily Roe	01/06/2016

Authorised on behalf of Natural Resources Wales

Schedule 1 – changes in the permit

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

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

- Condition 2.3.2
- Condition 3.1.2
- Condition 3.2.4
- Condition 3.2.5
- Table S1.1
- Table S1.2
- Table S3.1
- Table S3.2

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

NPSWQD004969

The Natural Resources Body for Wales (“Natural Resources Wales”) hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Dŵr Cymru Cyfyngedig (“the operator”),

whose registered office is

Pentwyn Road

Nelson

Treharris

Mid Glamorgan

CF46 6LY

company registration number **02366777**

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Bryn Avenue Combined Sewer Overflow

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Name	Date
Emily Roe	01/06/2016

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; 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.

2.3 Operating techniques

- 2.3.1 For the activity referenced in schedule 1, table S1.1 the activity shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.
- 2.3.2 If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 2.3.3 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) 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.
- (c) The discharge shall not be comminuted or macerated and shall have passed through screens as specified. All screenings shall be removed from the discharge.

2.3.4 The operator shall implement any remedial action specified by Natural Resources Wales as a result of any investigation carried out in accordance with condition 3.1.2, and any remedial actions shall be completed to a reasonable timescale specified by Natural Resources Wales.

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.

- 3.1.2 (a) If the measured adjusted number of significant spills exceeds the limit specified in Table S3.1 then the operator shall:
 - i) within 2 months of the end of the reporting period, submit to Natural Resources Wales for approval, with reference to the Best Practice Guidance in Schedule 4 Table 4.2, proposals for an investigation into the operation of the overflow including a timetable for the investigation;
 - ii) investigate the reasons for the exceedance in accordance with the approved investigation proposals;
 - iii) within 12 months of the start of the investigation submit to Natural Resources Wales for approval a report on the reasons for the exceedance and the steps that it proposes to take to restore compliance.
- (b) An exceedance of the adjusted number of spills limit shall not be recorded as a failure if the operator is meeting the requirements of conditions 3.1.2 (a) and 2.3.4.
- (c) For compliance with this permit the adjusted number of spills is calculated as the sum of the total number of adjusted spills (Nop) calculated for the period when the event recorder was working normally and the assumed number of adjusted spills (Ninop) for any periods when the event recorder was inoperative.

3.2 Monitoring

3.2.1 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.

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

- 3.2.3 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.
- 3.2.4 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.
- 3.2.5 The Operator shall record all periods when the event recorder was inoperative and shall calculate the total duration D(inop) of inoperation during the reference period specified in table S3.1 and the total duration D(op) of normal operation during the period. The reasons for any periods of inoperation shall be recorded and all reasonable steps shall be taken to prevent a re-occurrence.

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.
- 4.2.3 (a) The operator shall supply the relevant Local Food Authority / Environmental Health Authority with an annual written report of the operation of the combined sewer overflow, to include date, start time and duration of each spill in accordance with the format provided by Natural Resources Wales.
- (b) Provision of this report will coincide with the annual classification under the EU Food Hygiene Regulations (852/853/854). The report shall cover the 12 month period 1 April – 31 March inclusive, and shall be provided by the end of the following May.

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:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- 4.3.4 The operator shall notify the Local Food Authority / Environmental Health Authority in the event of the discharge of sewage in an emergency from any discharge points listed in schedule 3 Table S3.2. Such notification must be made as soon as practicable and no later than 24 hours after the event, and shall detail the reasons why the situation occurred, and the actions taken by the operator.
- 4.3.5 The operator shall notify the Natural Resources Wales, as soon as practicable after receipt of a telemetry warning, that operation of the combined sewer overflow has taken place.

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 storm sewage via Outlet 1	N/A

Table S1.2 Operating techniques		
Description of documentation	Parts	Date Received
OT1 – Asset Schematic Proposed Scenario	All	01/04/2016

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
Storm sewage via Outlet 1	Discharge start and end times	N/A	N/A	N/A	Whenever a discharge occurs	N/A
	Adjusted number of spills	A statistically significant deterioration in performance	1st January to 31 st December inclusive	N/A	Whenever a discharge occurs	(Condition 3.1.2 applies)

Table S3.2 Discharge points			
Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
A1 Storm sewage	Discharge Point	SN 45383 00826	Unnamed tributary of Barnaby Pil

Table S3.3 Storm sewage discharge settings						
Effluent(s) and discharge point(s)	Description of discharge	Overflow setting l/s	Maximum size of solid matter	Screen aperture size	Minimum screen capacity flow l/s	Minimum storage capacity m³
A1 Storm sewage via Outlet 1	Storm sewage	10 - 75 In line with OT1	No greater than 6 mm in more than 1 dimension	6 mm x 6 mm	All flows shall be screened	91m ³

Table S3.4 Monitoring points			
Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
A1 Storm sewage via Outlet 1	Discharge point	SN 45383 00826	Effluent sampling point
A1 Storm sewage via Outlet 1	Event duration monitoring	SN 45383 00826	Event duration monitoring point

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
Combined sewer overflow performance, including adjusted number of [significant] spills.	Event duration monitoring point	Report to be submitted within 2 months.	1 January
Storm sewage discharge start and end times	Event duration 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

Table S4.2 Reporting forms	
Parameter	Reporting format
Combined sewer overflow performance	Form as agreed in writing by Natural Resources Wales
Storm sewage discharge start and end times	Form as agreed in writing by Natural Resources Wales
Combined sewer overflow performance	Counted spills in an electronic format specified by Natural Resources Wales
Investigation into the operation of the overflow	Best Practice Guidance.

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	NPSWQD004969
Name of operator	Dŵr Cymru Cyfyngedig
Location of Facility	Bryn Avenue Combined Sewer Overflow
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 or 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 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	

Schedule 6 – Interpretation

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

“adjusted number of spills” during the period is the sum of N(op) and N(inop)

“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.

“D(op)” is the total duration of normal operation of the event recorder during the Bathing Season/Annual period.

“D(inop)” is the total duration of inoperation of the event recorder during the Bathing Season/Annual period.

“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 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.

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

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

“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 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 category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

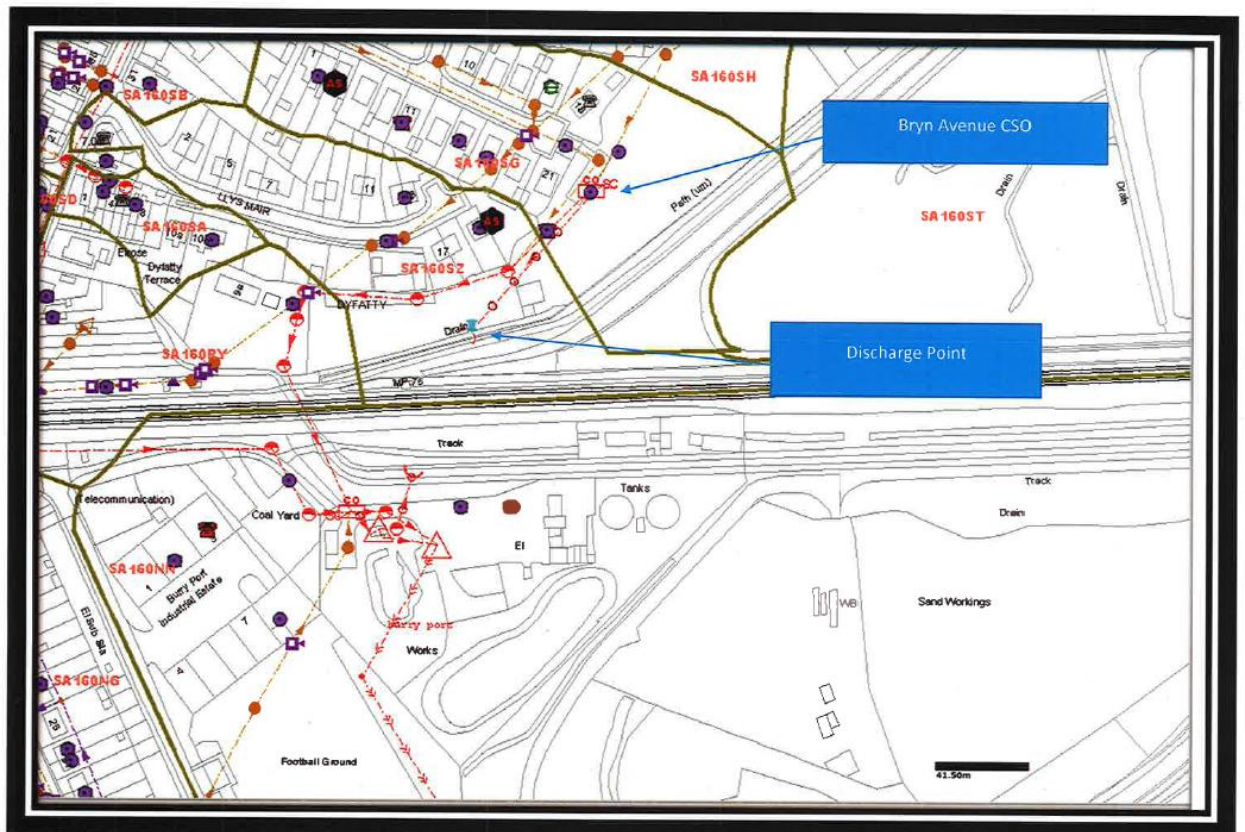
“significant spill” any spill that has not been demonstrated to have been, or measured as being, less than 50 m³ in volume.

“adjusted 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.

“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