

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dwr Cymru Cyfyngedig

Amlwch Wastewater Treatment Works
Amlwch
Ynys Mon
LL68 9DW

Variation application number

NPSWQD004679/V001

Permit number

NPSWQD004679

Amlwch Wastewater Treatment Works

Permit number NPSWQD004679

Introductory note

This introductory note does not form a part of the notice

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

This Regulator initiated variation is to add the Operator Self Monitoring conditions to the permit and updating the Dry Weather Flow conditions.

The schedules specify the changes made to the original permit.

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

Status log of the permit

Description	Date	Comments
Permit determined NPSWQD004679	02/01/09	Original permit issued to Dwr Cymru Cyfyngedig.
Variation determined NPSWQD004679	15/08/11	Varied permit issued. Regulator initiated variation to add Operator Self Monitoring conditions and update Dry Weather Flow conditions to the permit.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

permit number
NPSWQD004679

issued to:
Dwr 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

Amlwch Wastewater Treatment Works
Amlwch
Ynys Mon
LL68 9DW

to the extent set out in the schedules.

The notice shall take effect from 15th August 2011

Name	Date
Christopher Hall	15th August 2011

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

Substitution of conditions 4, 5 and 6 in Schedule NPSWQD004679 by the following new condition:

VOLUME

4. (a) The Dry Weather Flow of the discharge shall not exceed 1946 cubic metres per day. The permitted Dry Weather Flow limit is set at the Operator's planned annual 80%-exceeded flow.
- (b) In determining compliance with this permit, the measured Dry Weather Flow is that total daily volume that is exceeded by 90% of the recorded measured total daily volume values in any period of 12 months.
- (c) The numeric value of the measured Dry Weather Flow shall not exceed the numeric value of the permitted Dry Weather Flow limit.
- (d) If the measured Dry Weather Flow exceeds the permitted Dry Weather Flow limit then the Operator shall as soon as is practicable investigate the reasons for the exceedance. The Operator shall report the reasons for the exceedance to the Environment Agency and the steps that it proposes to take to restore compliance. An exceedance of the Dry Weather Flow limit shall not be recorded as a failure if the Operator takes appropriate steps to restore compliance.
- (e) If the measured Dry Weather Flow exceeds the permitted Dry Weather limit because of unusual rainfall during the 12-month period, then it will not be recorded as a failure of the Dry Weather Flow limit. For the purposes of this condition, unusual rainfall shall mean rainfall that causes significantly higher sewage flows during the three-month period that normally records the lowest flows.
- (f) For unusual rainfall to be considered, the Operator shall notify the Agency and provide supporting evidence as part of the normal specified data returns.

Schedule 3 – conditions to be added

The following conditions are added following an Environment Agency initiated variation:

OSM Monitoring programme

OSM 1 The Operator shall, unless otherwise agreed in writing by the Agency, undertake a monitoring programme for the parameters specified by this permit which control the effluent quality by numeric limits, at not less than the frequencies specified in Annex T2 OSM2 to this permit.

This does not include List 1 substances included within a permit in the General Standards Table.

OSM 2 The monitoring programme referred to in condition OSM1 shall:

- (a) cover a calendar year, and
- (b) be recorded and referred to in a Quality Management System before the commencement of a calendar year sample period.

QMS and MCERTS

OSM 3 The Operator shall have an appropriate Quality Management System covering Operator Self Monitoring.

OSM 4 The Operator shall ensure that appropriate actions and activities carried out to fulfil the requirements of condition OSM1 are recorded.

OSM 5 Any sampling or analysis carried out to fulfil the requirements of condition OSM 1 shall be managed and operated by the Operator or its appointed organisation or organisations in accordance with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1) to the reasonable satisfaction of the Agency.

OSM 6 (a) For the period up to 1July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have applied for accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency, and

- (b) From 1July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have gained accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency.

OSM7 The Operator shall ensure that all required records of compliance and accreditation with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part 1) are maintained.

Records

OSM 8 All records required to be made by this permit shall:

- (a) be legible, and
- (b) be made as soon as reasonably practicable, and
- (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 the Agency, for at least 6 years from the date when the records were made, and
- (e) where the records have been requested in writing by the Agency, copies shall be supplied to the Agency within 14 days, unless otherwise agreed in writing by the Agency,

Reporting routine analysis

OSM 9 The analytical results from the monitoring programme required by condition OSM 1 must be supplied to the Agency in an electronic format defined by the Agency, as soon as is reasonably practical for each result, and at least on a quarterly basis.

Reporting exceedances

OSM 10 When the Operator becomes aware that a sample result has exceeded a numeric water quality limit specified within this Permit, (including those covered by the Look-up Table) the Operator shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

OSM 11 When the Operator becomes aware that the Discharge is not compliant with the Look-up Table (as set out in Annex LUT1) for a numeric water quality limit specified within this Permit, the Operator shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

Reporting sample missed or lost

OSM 12 After becoming aware, or following notification that, a sample has not been taken on the Monitoring Programme pre-scheduled date, or is lost, or a result for that sample can not be reported, the Operator shall record the details and reschedule the sample.

Annual monitoring summary compliance report

OSM 13 A summary report :

- (a) of compliance with the monitoring programme referred to in condition OSM1 shall be made for each calendar year, and
- (b) shall be submitted to the Agency within two months following the end of the year and shall have the data summarised and shall be in the format required by the Agency.

Annex T2 OSM2

Tier 2 Category	Determinand	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 permit failure return to Normal frequency as soon as reasonably practicable, samples per 12 months	Out of hours samples
>5 m3/d (but not in tier 3) with numeric limits for ammonia or nutrients or dangerous substances or UWWTD 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 or oil and grease only.	Sanitary	12	4	12	For 12 samples 1 out of hours sample per annum, for 4, 1 every 3 years on average

Annex T2 OSM2 relates to spot samples which must be collected at approximately equal intervals during the year, but should include samples from different days of the week and different times. Approximately 10% of samples should be outside of the normal sampling window which is 9am - 3pm, Monday to Friday.

Annex LUT 1

95% Percentiles Look Up Table

Series of samples taken in any year

Maximum number of samples for given determinand permitted to exceed limit

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