

Compliance Assessment Report CAR_NRW0048309

Permit being assessed: BN0000501

For: MYDROILYN STW, held by DWR CYMRU CYFYNGEDIG

At: MYDROILYN STW, UNKNOWN, UNKNOWN, UNKNOWN, UNKNOWN.

Type of assessment carried out: Site Inspection, Reason: Routine.

On 14/05/2025, between 13:00 and 13:35.

Parts of permit assessed: See criteria listed below

NRW Lead Officer: Ffion Quan, accompanied by: John McMahon.

Report sent to: CARS mailbox, CARS mailbox, on 21/05/2025.

1. Summary of our findings (full details in section 4)

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-A1 - Water Quality - Management - General management	Assessed (A)	
WQ-B1 - Water Quality - Operations - Permitted activities	Assessed (A)	
WQ-B2 - Water Quality - Operations - The site	Assessed (A)	
WQ-B3 - Water Quality - Operations - Operating techniques	Assessed (A)	
WQ-C1 - Water Quality - Emissions and monitoring - Emissions to water	Action only (X)	
WQ-D1 - Water Quality - Information - Records	Assessed (A)	

Result types are explained in more detail in the 'Important Information' section below.

2. What action is required?

Criteria	Action needed	Complete by
WQ-C1	The outfall was not assessed during the visit as it is inaccessible. Please can you ensure that the outfall is inspected on a regular basis when flows are low and is safe to do so.	16/05/2025

Action criteria codes are listed in the 'Important information' section below.

3. What will happen next?

Any non-compliance we have identified and recorded on this form is an offence. It can result in criminal prosecution and/or suspension or revocation of your permit.

At this time, we do not intend to take any further action.

This statement does not stop us from taking additional enforcement action if further relevant information comes to light or offences continue.

4. Details of our assessment

This was a pre-planned site visit carried out by Natural Resources Wales officers Ffion Quan and John McMahon who were accompanied by a Dŵr Cymru Welsh Water (DCWW) Operational Supervisor.

This CAR is to be read in conjunction with CAR_NRW0048313 for the Storm Overflow at Mydroilyn STW.

General Observations

NRW officers Ffion Quan and John McMahon arrived on site at 13:00.

Officers were taken through the works from the inlet, through the treatment system, including the storm overflow, and to the outflow. The treatment works at Mydroilyn is a one bio filter bed system which includes a storm overflow. The site operator visits the site twice a week.

The process

The incoming flow into the works is gravity fed into the inlet and into the primary tank, which removes around 70% of the solids. The sludge from the primary tank is directed to the sludge tank on site. The storm overflow for the site is located at the primary tank which includes a new radar unit (EDM monitor). See below photograph.



Photograph 1: New EDM radar unit on site

The flow is passed forward from the primary tank to the bio filter bed. The filter bed on site contains stone media. The rotation arms are water driven and were moving free and unhindered. NRW officers were made aware that there are cracks in the filter bed wall which DCWW are waiting for a quote from the contractors to repair. This was not impacting on the treatment system on site during the visit. See photograph below



Photograph 2: biofilter bed

The works at Mydroilyn include a recirculation pump which pumps the water back into the inlet from the final settlement tank to ensure that the bio filter bed continuously receives flow.

Following the filter bed treatment, the flows enter one settlement tank. The final settlement tank seemed to work effectively with no sign of any sewage fungus. A final effluent sampling point was marked.

NRW officers were made aware that the outfall for Mydroilyn STW is not easily accessible and is only accessed by walking up the Afon Mydr. Please can you ensure that the outfall is inspected on a regular basis when flows are low and is safe to do so. There was no evidence of any sewage fungus at the final effluent sampling point.

The WOF007 Works Diary was inspected during the visit. All relevant results appeared to be within compliance.

Many thanks for your time during the visit.

In this document 'Natural Resources Wales' means the Natural Resources Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) order 2012.

If you have any queries about this report, or to discuss completion of any actions, please contact the NRW Officer named above.

Important information

Legal status of this report

Your permit is issued to you under the Environmental Permitting Regulations. You have a responsibility to comply with the conditions of your permit and prevent pollution/harm to the environment. You must also ensure that you comply with any other relevant legislation that may apply to your site's operations.

This report explains the findings of our assessment and any action you are required to take. We categorise non-compliance using our guidance for assessing non-compliance at regulated sites.

When we find potential non-compliance/s we will normally give you advice on how to maintain compliance.

To correct non-compliance, we may:

- require you to take specific actions
- issue a notice
- review the conditions of your permit.

Any advice and guidance we give will be without prejudice to any other enforcement response that we consider may be required.

Assessment results and non-compliance categories (used in section 1):

Assessment result	Description
Assessed (A)	Assessed or assessed in part, no evidence of non-compliance found
Action only (X)	Action only relating to the activity assessment
Ongoing (O)	Ongoing non-compliance, not scored

Non-compliance category	Description
C1 Major	Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property
C2 Significant	Potential to have a significant impact or effect on the environment, people and/or property
C3 Minor	Potential to have a minor or minimal impact or effect on the environment, people and/or property
C4 No environmental impact	Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property

If your assessment result in Section 1 is suspended, what does this mean?

In line with our guidance, we may suspend non-compliance for up to six months to allow time for remedial action to be taken. These will be re-instated if the action is not completed.

Full list of water quality action criteria (used in section 1 and 2):**WQ A: Management**

- WQ-A1 General management

WQ B: Operations

- WQ-B1 Permitted activities
- WQ-B2 The site
- WQ-B3 Operating techniques
- WQ-B4 Improvement programme
- WQ-B5 Pre-operational conditions

WQ C: Emissions and monitoring

- WQ-C1 Emissions to water
- WQ-C2 Emissions to land
- WQ-C3 Emissions of substances not controlled by emission limits
- WQ-C4 Installation of monitoring boreholes

WQ D: Information

- WQ-D1 Records
- WQ-D2 Reporting
- WQ-D3 Notifications

Enforcement response

Any permit condition non-compliance is an offence and we may take legal action against you. Action we take can include prosecution, serving a notice on you and/or suspension or revocation of your permit. See our Enforcement and Sanctions Guidance for further information.

Data protection notice

You should make sure that anyone named in this report knows that the information it contains will be processed by Natural Resources Wales to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s).

We may also use and/or disclose the report in connection with:

- offering or providing you with our literature or services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law
- assessing customer service satisfaction and improving our service
- Freedom of Information Act or Environmental Information Regulations requests.

We may also pass it on to our agents or representatives to do these things on our behalf.

Disclosure of information – this report will be available to view on-line

If you think this report contains commercially confidential information that should not be placed on our public register, you must contact your local Natural Resources Wales office within **fifteen working days** of receiving this report, using the contact details in the accompanying email or letter. You must give a full explanation of why it should not be

added to our public register, including specifying which information is commercially confidential. We will assess your request and respond to you within 20 working days to let you know if we agree to your request.

What do I do if I disagree with the report or have a complaint?

If you disagree with this compliance assessment report, you should contact the lead officer without delay to discuss your concerns.

If you are unable to resolve the issue with the lead officer or their line manager you should contact our Customer Contact team on 0300 065 3000 (Monday to Friday 08:00 – 18:00), or email enquiries@naturalresourceswales.gov.uk for details of how to raise your dispute further through our Complaints and Commendations procedure.

If you are dissatisfied with our response, you can contact the Public Services Ombudsman for Wales by phone on 0300 7900203 or by email at ask@ombudsman.wales

Welsh Language Standards

We are committed to establishing Natural Resources Wales as a naturally bilingual organisation. We will provide compliance reports in your preferred language.