

Compliance Assessment Report CAR_NRW0048583

Permit being assessed: AW1003301

For: Llangammarch Wells Wastewater Treatment Works, held by DWR CYMRU CYFYNGEDIG

At: Track past Irfon House, Llangammarch Wells, Powys, LD4 4EB.

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

On 12/06/2025, between 11:03 and 11:25.

Parts of permit assessed: See Criteria Below

NRW Lead Officer: Robert Harding.

Report sent to: CARS Mailbox, CARS Mailbox, on 19/06/2025.

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	Assessed (A)	

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

2. What action is required?

No action required.

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 OSM site inspection carried out by Natural Resources Wales Officer Robert Harding I was

shown around the site by DCWW Representatives

The weather during the visit was heavy rain with an amber thunderstorm warning in place, following dry weather.

General Observations

The site is an unmanned single filter bed works, with a permitted storm discharge. The site operates under a consolidated permit.

Inlet and Storm

The incoming flow arrives at the works via a nearby pumping station. The works is a powered works however does not have a backup power source in place. There is no screening in place at the inlet, as all flows receive maceration at the nearby pumping station.

The storm discharge at the works is operated by the pumps located in a wet well below the site building. There is no storm storage at this location and any storm flows are discharge directly into the watercourse. There is a storm EDM sensor chamber located to the right hand side of the works compound, it was believed that this chamber can be used for collecting a storm eluent sample if required. If this location is used for a storm sample collection point, it would be advisable to put up appropriate signage to indicate this.

Primary Settlement

The primary settlement system consists of two small rectangular tanks in a below ground level housing, with retention boards at both ends to hold back solids within the centre of tanks. The retention boards appeared to be effectively preventing significant solids from passing through to the next stage of treatment. There were some small signs of sewage fungus present within the outfall channel; however, this was not excessive. The effluent from the primary settlement tank is then pumped up to a syphon chamber servicing the filter bed, where it passes through a COPA sack to catch large solids. The syphon chamber is used to ensure that sufficient hydrological power is built up to power the rotation of the distribution arms.



Filter Beds

The works contains a single raised filter bed coating stone media. Once the syphon discharged there were no signs of blocked outlets, and the rotating arm appeared to be distributing flows across the media effectively. The filter bed at the works appeared to be operating effectively. The outfall of the filter bed is directly into the humus tank of the works.



Humus Tank

The final settlement tank on the works is a small rectangular tank with a retention board on the outfall end to slow down flows and prevent solids passing over. The final settlement system appeared to be operating effectively and there were no signs of significant solids or sewage fungus present within the outfall channel.



Outfall and Sampling point.

The final effluent sample point is located within a newly installed covered chamber. The sample point was clearly labelled with appropriate signage and allowed for a representative sample of the effluent to be taken. At the time of inspection, the effluent was flowing freely and showed no signs of discolouration or sewage fungus within the pipe. The water level within the chamber was close to the pipe, however there was still enough room to collect a sample directly from the effluent pipe.



There are two MCERTs flow meters in operations at the works, which were clearly operation at the time of inspections. The meter display was easily visible, and appropriate signage was in place displaying the meter serial numbers and verification dates.

It appears the original outfall has at some point collapsed into the watercourse, and now the discharge is slightly set back from the main channel of the watercourse, discharging behind the collapsed part of the original outfall. This does result in the discharging slightly outside of the main flow of the river; however, this did not appear to be causing any issues with effluent mixing within the watercourse. I do not believe this constitutes a noncompliance against the permit as the approximate location is the same.

There were no signs of contamination or discolouration to the receiving watercourse and no signs of sewage fungus around the outfall. The watercourse at the time of inspection was slightly lower than usual due to prolonged dry weather, but still showed no signs of impact from the work effluent.



I was unable to locate the storm discharge location during this visit. Heavy rainfall and slippery ground conditions meant that it would not have been safe to inspect further down the bank to locate the outfall pipe. The river downstream of the works showed no signs of discolouration or sewage fungus presence.

Additional Comments

In terms of works operation, the works appears to be good working order and operating as required. I make note that the DCWW representatives assisting me for the day were covering sites outside of their normal operational area and were

not fully sure on some aspects of the storm systems at the works.

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.