

Compliance Assessment Report CAR_NRW0038876

Permit being assessed: AW1002101

For: GLASBURY STW GLASBURY NR HAY ON WYE, held by DWR CYMRU CYFYNGEDIG

At: GLASBURY STW, GLASBURY, NR HAY ON WYE, POWYS, .

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

On 27/10/2021, between 10:30 and 11:15.

Parts of permit assessed: See Criteria Below

NRW Lead Officer: Robert Harding, accompanied by: Chris Gurney.

Report sent to: CARS Mailbox, CARS Mailbox, on 29/10/2021.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-A1 - Management - General management	Assessed (A)	
WQ-B1 - Operations - Permitted activities	Assessed (A)	
WQ-B2 - Operations - The site	Assessed (A)	
WQ-C1 - 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 Officers Robert Harding and Chris Gurney. We were shown around the site by the following DCWW representatives

Lowri Davies- Operations Supervisor

Laura Davis- Assistant Process Scientist

Geraint Michael- Catchment Management

Brian Barrel- Senior Operations

The weather during the visit was overcast with intermittent showers. We were shown through the works from inlet through to the outfall.

General information

The STW is a single filter bed works serving a population equivalent of 397. It is manned 3 times per week and has telemetry in place for when unmanned. The site does not have back up power

Inlet and Storm Weir

The incoming flow to the site is pumped up to the inlet point, where telemetry is in place to monitor flows. The inlet is clearly marked and was clear of blockages, the main screen is enclosed and has a 6mm aperture. There is a bypass screen (to the right) which is approximately 1 inch in aperture, this is used when the main screen is out of use or in the event of a failure.

Both screens lead to a macerator. Following the macerator is the storm weir. There is EDM equipment in place to monitor storm discharges, this appeared in working order.



The flows were well below the storm weir setting in place and there were no flows entering the storm channel. The storm channel appeared clear of debris or blockages. The storm channel does not have additional screening as all flows pass through the screening and macerator before the storm weir.

There is a single storm tank, which was empty at the time of inspection. The storm tank has an automatic return to the head of the works.

Primary Settlement

The primary settlement tank appeared to be operating effectively. There were no signs of significant solids passing into the outfall channel. The tank itself had two hoses spraying the surface of the water. On questioning this was to keep movement within the solid matter, encouraging more solids to sink. This is because the primary tank design does not have a rotating scum scraper.



Filter Bed

There is a single filter bed which contains plastic filter media. The rotation arm was moving in a free and unhindered manner. The distribution points on the arm were clear of debris and water was flowing freely. The filter media had a build up of vegetation in several places, although it did not appear to be hindering water filtering into the plastic media. On questioning about removal and maintenance. I was advised that only certain areas of the filter bed are safe for access.



The external walls of the filter bed appear to be in need of maintenance. A render which had been previously installed has cracked and fallen away in many places. The outer wall has vegetation growth and appeared wet during the visit. It is not clear if the moisture present is from the tank leaking, or from rainfall and vegetation. I was advised that DCWW are looking into possible solutions, as the visual appearance is causing complaints from members of the public, the site is visible from a nearby footpath.



Humus Tank

The humus tank appeared to be operating effectively and there were no signs of solids in the outfall channels. There is a thin covering of duckweed present on the surface of the humus tank, however this does not appear to be hindering its operation and is contained within the scum board. The effluent within the outfall was clear and there were no signs of concern.



Outfall and Sampling point

The final effluent from the humus tank passes through a Magflow flow meter, which appeared to be operating as required and accessible for inspection. The sample point is clearly marked with appropriate signage including the NGR. A list of permitted limits was always present for operatives to check whilst on site. The inspection chamber and outfall was clear of debris and effluent was flowing freely to the outfall.

An on site effluent sample was taken by Brian Barrel at 11:00, which was within consented limits

14.3 C

6.89pH

Ammonia (NH₃)- 0.91

BOD- 12mg/l



Both final effluent and storm effluent outfall from the same outlet points. The works has two permitted outfall points. The main outfall (AW1002101) is the lower outfall channel within the chamber. When the receiving watercourse is in spate this outfall becomes underwater. When this happens the outlet chamber fills and the works discharges through the top outlet pipe in the outfall chamber. This is named the "Short outfall" and is covered under permit AN0333401. As both permits have the same determinants, this CAR form will be duplicated

General Comments

The works visually is in need of some maintenance and updating, specifically the filter bed housing. Despite its appearances, the treatment process is working accordingly and producing effluent within consented limits.

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.