Compliance Assessment Report CAR_NRW0043577

Permit being assessed: AW1002101
For: Glasbury Wastewater Treatment Works, held by DWR CYMRU CYFYNGEDIG
At: Track past 'Hampton Cottage', Off A438, Glasbury, Powys, HR3 5NL.

Type of assessment carried out: Site Inspection, Reason: Routine.
On 15/02/2024, between 10:35 and 11:05.
Parts of permit assessed: See Criteria Below

NRW Lead Officer: Robert Harding.
Report sent to: CARS Mailbox, CARS Mailbox, on 23/02/2024.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-B1 - Operations - Permitted activities	Assessed (A)	
WQ-B2 - Operations - The site	Assessed (A)	
WQ-B3 - Operations - Operating techniques	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 conducted by Natural Resources Wales Officer Robert Harding. I was shown around the site by the following DCWW representatives
Bryan Barrell- Senior Operations

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

General Observations

The STW is a single filter bed works, which operates under a recently issued combined permit (including storm discharge) . It is an unmanned site which has telemetry to monitor the works.

Inlet and Storm Weir

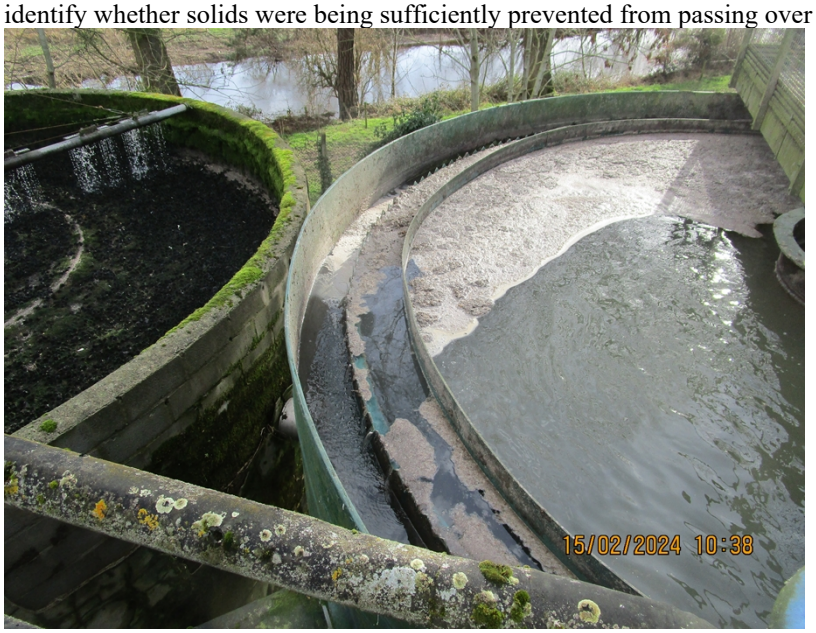
The incoming flow to the site is pumped up to the inlet point, where telemetry is in place to monitor flows. The inlet is clearly marked and was clear of blockages, the main screen is a rotating brush screen, which was clearly operational at the time of inspection. There is a bypass screen in place which is approximately one inch in aperture, this is used when the main screen is out of use for maintenance or in the event of a failure.

The flows from both screens are then passed through a macerator. Following the macerator, the flows then pass the storm weir. There is EDM equipment in place to monitor storm discharges, this appeared in working order.

The flows were right at the top of the storm weir and there was evidence of flows recently 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 reaching the storm weir.
There is a single storm tank on site, which appeared completely full upon inspection. The storm tank has an automatic return to the head of the works once incoming flow levels drop to the required amount. There had been persistent rainfall in the preceding days, so it is likely the site had been discharging via the storm discharge, as the storm storage was full. There is a level monitor in place on the storm tank.

Primary Settlement

The primary settlement tank on site is a raised circular settlement tank, with retention boards to hold back solids from travelling into the outfall channel. There is a hose in operation spraying water onto the surface of the settlement tank, this I was advised is to encourage more solids to settle out of the influent. There was a build up of foam present on the opposite side of the tank from the hose, which was passing over into the outfall channel of the settlement tank. It is likely that this is partially because of the surface disturbance caused by the hose sparing on the surface. This made it difficult to identify whether solids were being sufficiently prevented from passing over to the next stage of treatment.



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 and some surface ponding in places. At the time it did not appear that these were hindering flows into the filter media, however this should be monitored as it could lead to problems with final effluent quality. On questioning about removal of vegetation and maintenance of the filter bed, I was advised that only certain areas of the filter bed are safe for access

The external walls of the filter bed appear in need maintenance. A render which had been previously installed has cracked fallen away in many places. The outer wall has vegetation growth and appears 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 viable solutions, as the visual appearance is causing complaints from members of the public, as the site is visible from a nearby footpath.

Humus Tank

There is a single circular humus tank with retention boards in place to hold back solids. This appeared to be operating effectively and there were no signs of solids in the outfall channels. 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. The inspection chamber and outfall were clear of debris and effluent was flowing freely to the outfall. The outfall into the watercourse was not checked during this inspection due to high river levels.

Both final effluent and storm effluent outfall from the same outlet points. The works has two permitted outfall points. The main outfall is the lower outfall channel within the chamber. When the receiving watercourse is in spate this outfall becomes underwater. When the watercourse reaches a certain level, the outlet chamber fills and the works discharges

through the top outlet pipe in the outfall chamber, leading to the short outfall location.

General Comments
The treatment process appeared to be 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.