

Compliance Assessment Report CAR_NRW0045232

Permit being assessed: BP0000101

For: Lletty Brongu Wastewater Treatment Works, held by DWR CYMRU CYFYNGEDIG
At: Track south of Lletty Brongu Farm, Llangynwyd, Maesteg, CF32 8UE.

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

On 17/09/2024, between 10:00 and 11:30.

Parts of permit assessed: All

NRW Lead Officer: Natalie Wrangham, accompanied by: Emily Roe01.

Report sent to: CARS mailbox, CARS mailbox, on 25/09/2024.

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

| Part of permitted activity assessed (criteria) | Assessment result | Permit condition |
|-----------------------------------------------------------|-------------------|------------------|
| WQ-B3 - Water Quality - Operations - Operating techniques | Assessed (A) | |
| WQ-B2 - Water Quality - Operations - The site | Assessed (A) | |
| WQ-B1 - Water Quality - Operations - Permitted activities | Assessed (A) | |
| WQ-A1 - Water Quality - Management - General management | Assessed (A) | |
| 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?

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

2 officers from NRW attended site on 17/09/2024 at 10:00 to conduct a site audit. We were met by 5 DCWW operatives, The weather was sunny and dry

Permit BP0000101

This permit allows for the following discharges to the River Llynfi:

- A1 – Discharge of secondary treated sewage effluent with nutrient removal via final effluent discharge point
- A2 – Discharge of settled storm sewage via settled storm discharge point
- A3 – Discharge of sewage in an emergency via settled storm discharge point

Site Report

Wastewater enters at inlet and flows into grit traps. Wastewater then flows through one of 2 6mm aperture screens to remove larger solids and rag. Screens are cleaned automatically, and screenings are compacted and deposited into a skip on site. The grit classifier was out of use during the visit awaiting repairs, therefore secondary grit pit is to be manually cleansed. After the screen the storm weir is positioned. Screened flows over 215l/s are permitted to flow into the storm channel which transports the screened wastewater to the storm tanks. There was no flow in the storm channel at the time of the visit.



Figure 1 – wastewater after screens

There are 2 ferric dosing points after the screens which are not in use due to the installation of the mag drum, however they remain in situ as a precaution.

The wastewater then flows to the 2 primary tanks for settlement. Examination of the tanks found no leaks or maintenance issues. No sign of large solids flowing over weir from primary settlement. Tanks are automatically desludged. Sludge is sent to Penybont Wastewater Treatment Works via a rising main with no spill points on the line.



Figure 2 – Primary settlement tank

The wastewater is dosed with sodium carbonate via a dosing well that has relatively recently been installed as part of improvements in the last AMP.

There are 8 filter beds at the site utilising stone media. Bed no.8 has reoccurring issues with grass growth. There was growth on the bed at the time of the visit which DCWW advised was to be subject to maintenance. No other bed appeared to be affected.



Figure 3 – Filter beds

The effluent is then pumped from the filter beds to the new mag drum for further nutrient removal where it is mixed and dosed with ferric in tanks 1 and 2, then dosed with magnetite in tank 3, then polymer in tank 4. This clumps the solids together which can then be removed. The effluent then goes forward to one of two final tanks for final settlement.



Figure 4 – Final settlement tank

A proportion of the sludge is returned to tank 3, the rest of the sludge is pumped to holding tank before being sent to Penybont WwTW via rising main.

All 3 storm tanks were empty at the time of the visit. DCWW explained that during storm events, the excess wastewater first fills storm tanks 1 and 2 to allow some settlement before the wastewater weirs over into storm tank 3. During the visit some sludge was seen at the bottom of the storm tank 3, but not a significant quantity. DCWW may want to consider a clear out of this tank as part of maintenance procedures.

The effluent leaving the final tank was clear with no sign of solids. The final effluent discharging into the river Llynfi was also clear (A1). The river bank at the point of discharge is showing signs of erosion to the left of the headwall (see figure 7).



Figure 5 – final effluent prior to outfall



Figure 6 – discharge to River Llynfi (A1)



Figure 7 – erosion to the left of the headwall.

The storm discharge point (was clear with no staining, rag or fungus on or near the discharge point.



Figure 8 – storm discharge point (A2 & A3)

All signage at the site for the monitoring and sampling points was clear and in the locations indicated by the permit. A new emergency generator has recently been purchased and stored on site.

A selection of the daily records from the site logbook shows daily checks and monitoring taking place and being recorded. At the time of the inspection the onsite monitors showed readings of 4.1mg/l suspended solids, 6.44pH, 0.07mg/l phosphorus, 1.63mg/l iron, and 0.1mg/l ammonia. No

outstanding concerns found during the inspection.

Site visit complete.

Breaches of permit condition:

No breaches of any permit condition were found in the site inspection.

Action required by dates specified:

No actions required.

Contact details:

If you have any queries regarding this CAR form or to provide an update on any actions above, please contact me using the following details:

Cwmtaf&bridgendconsultations@naturalresourceswales.gov.uk

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.