

Compliance Assessment Report CAR_NRW0040898

Permit being assessed: BG0021501

For: LLANGYBI STW LLANGYBI LAMPETER, held by DWR CYMRU CYFYNGEDIG
At: LLANGYBI STW, LLANGYBI, LAMPETER, CEREDIGION, .

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

On 28/11/2022, between 11:47 and 12:15.

Parts of permit assessed: See criteria listed below

NRW Lead Officer: Bethan Lewis, accompanied by: Ffion Quan.

Report sent to: CARS mailbox, CARS mailbox, on 06/01/2023.

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	Action only (X)	

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	Please explain how DCWW ensure that the rate and volume of final effluent discharged into the Afon Dulas remains in compliance with condition 2.	20/02/2023

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 inspection at Llangybi Sewage Treatment Works (STW) (BG0021501) carried out by Natural Resources Wales (NRW) Officers Bethan Lewis and Ffion Quan. The NRW Officers were accompanied by Dŵr Cymru Welsh Water (DCWW)

Operatives Daniel Williams (Senior Operator) and Sarah Mowlam (Operations Coordinator).

Summary

The site inspection commenced at 11:47 hours on the 28 November 2022 and concluded at 12:15 hours. The weather at the time of the inspection consisted of a mixture of rain and cloud. Regular showers had occurred over the preceding 24 hours.

The NRW Officers were taken through the treatment process from inlet to final effluent sampling point, with Daniel Williams explaining how the works operated.

The STW is a double filter bed works which processes domestic effluent only. Sewage arrives at the inlet by gravity, other than a proportion which is pumped from a foul well on site serving properties lower than the STW.

The site has telemetry in place for monitoring and the site operator visits twice weekly.

The population equivalent for the site is 95.

Treatment Process

The treatment process at Llanybi STW is undertaken by gravity. Flows arriving at the inlet first enter a septic tank as shown in photograph 1 below, which separates out solid matter. Flows subsequently enter a distribution chamber, as shown in photograph 2, which supplies two stone media filter beds, as shown in photographs 3 and 4. At the time of the inspection, the filter bed arms were rotating unhindered and the filter bed media appeared equally wetted with no signs of ponding. Very little vegetation was observed at the surface of the filter beds.



Photograph 1: Septic tank



Photograph 2: Distribution chamber supplying two filter beds (seen in the background)



Photograph 3: Stone media filter bed 1



Photograph 4: Stone media filter bed 2

Following filter bed treatment, flows enter a final settlement tank (FST) as shown in photograph 5. This FST is manually desludged when the operator is on site. At the time of the inspection, no solid carryover was observed within the outfall channel of the FST. To ensure continuity of the treatment process, a recirculation pump pumps topwater from the FST back to the distribution chamber supplying the two filter beds as shown in photograph 2.



Photograph 5: Final settlement tank (FST)

An accessible final effluent sampling point is located on site as shown in photograph 6 below. As can be seen from the photograph, the final effluent discharge was running clear at the time of the inspection.



Photograph 6: Final effluent sampling point

While the site is supported by telemetry, no flow monitoring is carried out on site. This is not in itself a breach of permit, however condition 2 of Llanybi STW's permit states that the quantity of final effluent discharged shall not exceed 0.7l/s; 61.5m³/day; or 24m³/day during dry weather conditions. There was no evidence at the time of the inspection that these quantities were being exceeded, however with no flow monitoring in place, we ask DCWW to explain how they ensure that the rate and volume of final effluent discharged into the Afon Dulas remains in compliance with condition 2. We kindly ask for a response by no later than the 20 February 2023.

The discharge point into the Afon Dulas was not inspected at the time of the inspection owing to difficulty in accessing the outfall from the works. DCWW are reminded however that they should undertake periodic checks of the discharge point and mixing zone to ensure appropriate dilution and no growth of sewage fungus.

Final Comments

We wish to thank Daniel Williams and Sarah Mowlam for accompanying the NRW Officers at the time of the above inspection. No non-compliances were identified during the inspection, however if DCWW wish to discuss the contents of this Compliance Assessment Report (CAR), we encourage them to contact the NRW Officer noted above.

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.