

## Compliance Assessment Report CAR\_NRW0044732

**Permit being assessed:** BC0018601

For: LLANNANT WWTW LLANNANT ROAD SWANSEA, held by DWR CYMRU CYFYNGEDIG

At: LLANNANT WWTW, LLANNANT ROAD, SWANSEA, SWANSEA, SA4 4ND.

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

On 08/07/2024, between 09:15 and 10:00.

Parts of permit assessed: Operations, Emissions and Monitoring.

**NRW Lead Officer:** Sarah Bennett, accompanied by: Catherine Tucker.

**Report sent to:** CARS@dwrwymru.com, CARS Mailbox, on 22/07/2024.

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

| Part of permitted activity assessed (criteria)                        | Assessment result | Permit condition |
|---|-------------------|------------------|
| 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

On the 8<sup>th</sup> July 2024 you accompanied us on an inspection of Llannant WwTW. It was dry at the time of the inspection but rain had fallen on the previous 5 days.

This report relates to the final effluent discharge permit only. The storm discharge has a separate permit and has been assessed in CAR\_NRW0044734.

Flows enter the works and are screened by two 6mm screens (duty and assist) located before the grit channels. You informed us that, in order to minimise the risk should the duty screen stop operating, both screens run at the same time. The screens were clean at the time of our inspection. You informed us that they due for below ground maintenance shortly.

The flows converge after the screens and grit channel then pass by the storm separating weir, flowing through the MCERTS Flows Passed Forward meter (required for pending UMON 3/4 variation) and on to the primary tanks distribution chamber. You informed us that the optimum retention time in the two primary tanks is 2 hours and that the primary tanks are manually de-sludged. The primary tanks appeared to be operating well at the time of our visit.

After the primary tanks the flows are biologically treated in two aeration lanes. Dissolved Oxygen levels are monitored by way of a probe in the aeration lane. All of the mechanical surface aerators appeared to be operational.

The effluent leaving the two final tanks was clear. You informed us that the nature of the catchment means the flows fluctuate and can make managing the sludge blanket levels in the final tanks difficult. My understanding is that you intend to install additional treatment to minimise the risk of the final effluent not meeting the required standards in the permit.

There have been no LUT sample exceedances or Upper Tier sample failures since 2016 apart from an issue with Oil & Grease in 2019.

The effluent is tertiary treated by the UV plant which has 3 banks. The permitted full dose limit of 32 mJ/cm<sup>2</sup> was being exceeded at the time of our inspection at 33.33 mJ/cm<sup>2</sup>. The flow going through the UV plant was 73.3 l/s.

The generator installed to mitigate against any loss of power has recently been replaced.

All sample points were at the permitted locations.

We did not identify any non-compliances with respect to your final effluent discharge permit during our inspection at the works.

Thank you.

End.

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](mailto: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](mailto: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.