

## Compliance Assessment Report CAR\_NRW0050544

**Permit being assessed:** BN0160302

**For:** Storm and Emergency Overflow at Llanrhystud Wastewater Treatment Works Pumping Station, **held by:** DWR CYMRU CYFYNGEDIG

**At:** Ffordd Y Traeth, Llanrhystud, Ceredigion, SY23 5BU.

**Type of assessment carried out:** Site Inspection,

**Reason:** Routine.

**On** 02/10/2025, between 09:53 and 10:28.

**Parts of permit assessed:** See criteria listed below

**NRW Lead Officer:** Bethan Lewis.

**Report sent to:** CARS mailbox, CARS mailbox, on 04/02/2026.

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

Part of permitted activity assessed (criteria)	Assessment result	Non-compliant permit condition
WQ-B1 - Water Quality - Operations - Permitted activities	Assessed (A)	
WQ-B3 - Water Quality - Operations - Operating techniques	Assessed (A)	
WQ-C4 - Water Quality - Emissions and monitoring - Monitoring	C4 No impact	3.2.1

Result types are explained in more detail in the 'Important Information' section below.

### 2. What action is required?

Criteria	Action needed	Complete by
WQ-C4	Confirm how you intend to comply with condition 3.2.1 to ensure that storm and emergency discharge samples can be collected at SN 53262 69353.	18/03/2026

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 of the Storm and Emergency Overflow at Llanrhystud Wastewater Treatment Works (WwTW) Sewage Pumping Station (SPS) (permit number: BN0160302) carried out by Natural Resources Wales (NRW) officer Bethan Lewis. The NRW officer was accompanied during the site inspection by two Dŵr Cymru Welsh Water (DCWW) operatives.

For observations concerning Llanrhystud WwTW (permit number: BN0160301), please refer to Compliance Assessment Report (CAR): CAR\_NRW0050543.

### **Summary**

The site inspection commenced at 09:53 hours on the 02 October 2025 and concluded at 10:28 hours. The weather at the time of the inspection was dry. It had also been dry the previous day.

The NRW officer was led through the storm and emergency discharge process by the DCWW operatives.

Llanrhystud WwTW is visited by a DCWW operator twice a week.

The population equivalent for the site is 2608, although when excluding non-residents, predominantly from local caravan parks, this reduces to 1550. As non-residents make up over 40% of Llanrhystud WwTW's population equivalent, DCWW see large seasonal differences in flows arriving at the site.

A fixed generator at Llanrhystud WwTW ensures that the site can continue to function in the event of an external power outage.

### **Storm and emergency discharge process**

There are three separate overflow points at Llanrhystud WwTW as summarised below:

#### **Storm overflow at gravity inlet**

Flows partly arrive at Llanrhystud WwTW by gravity. A storm overflow exists at the gravity inlet as shown in photograph 1 below. Flows were not discharging to storm at the gravity inlet at the time of the inspection.



*Photograph 1: Storm overflow at gravity inlet*

Flows discharging to storm from the gravity inlet pass through CopaSac screens as shown in photograph 2 below.



*Photograph 2: CopaSac screens*

#### Storm overflow at perforated screw screen

In addition to arriving by gravity, flows are also pumped to Llanrhystud WwTW from the village of Llanon. Flows from Llanon enter the works near a perforated screw screen. A further storm overflow exists at this location. Flows discharging to storm at this location are screened through a perforated screen before combining with flows discharging to storm at the gravity inlet.

#### Emergency overflow within final effluent chamber

Before discharging to coastal waters at Llansantffraid, final effluent at Llanrhystud WwTW collects in a chamber. An emergency overflow exists within this chamber as shown in

photograph 3 below. No emergency discharge was being made from the final effluent chamber at the time of the inspection.



*Photograph 3: Emergency overflow within final effluent chamber*

Flows from the three overflow points combine and discharge into the Afon Wyre at SN 53221 69406. The discharge point into the Afon Wyre was not inspected at the time of the inspection.

All three overflow points are monitored by Event Duration Monitoring (EDM). During 2024, 35 block counted spills were recorded at Llanrhystud WwTW totalling 152.5 hours. EDM was operational 99.9% of the time.

Flows passed forward (FPF) to full treatment at Llanrhystud WwTW are monitored by three FPF monitors. The on-site visual displays for these monitors are shown in photograph 4 below.



*Photograph 4: On-site visual displays of three flow passed forward monitors*

**Non-compliances**

Condition 3.2.1 of permit BN0160302 requires that a storm and emergency sample point is situated at SN 53262 69353. Whilst a sample point exists at this location, storm and emergency discharges no longer pass the sample point. Samples may only be collected at each individual overflow point or at the discharge point into the Afon Wyre at SN 53221 69406. As this represents a breach of condition 3.2.1, a category 4 non-compliance has been recorded above for a non-compliance that cannot foreseeably have any impact on the environment, people and/or property. To rectify the non-compliance, NRW ask DCWW to confirm how they intend to comply with condition 3.2.1 to ensure that storm and emergency discharge samples can be collected at SN 53262 69353. NRW ask DCWW for a response by the **18 March 2026**.

*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 required for the permit condition assessed to avoid non-compliance. No non-compliance scored at this time
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

**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 Monitoring
- WQ-C5 Installation of monitoring boreholes

**WQ D: Information**

- WQ-D1 Records
- WQ-D2 Reporting
- WQ-D3 Notifications

**Enforcement response**

Any non-compliance with a permit condition 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 twenty working days to let you know if we agree to your request.

**Disputing the Content of this Compliance Assessment Report Form**

If you disagree with the content of this Compliance Assessment Report form, you should submit your concerns, in writing, to the regulating officer who issued it within **15 working days** of its issue. This will be treated as a **Stage 1 review**.

If you are not satisfied with the outcome of the stage 1 review, you may request a **Stage 2 appeal**. This request must be submitted **within 21 working days** of receiving the response from the stage 1 review.

Further details on our review and appeal process are available at: [Natural Resources Wales / Appeal a regulatory decision from Natural Resources Wales](#)

**Concerns Not Related to the Content of this Compliance Assessment Report Form**

If your concerns do not relate to the content of the Compliance Assessment Report form, you should first attempt to resolve the issue with the regulating officer or their line manager.

If the issue remains unresolved, please contact our **Customer Contact Team**:

- **Telephone:** 0300 065 3000 (Monday to Friday, 09:00–17:00)
- **Email:** [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk)

They will provide details on how to escalate your concerns through our **Complaints and Commendations procedure**.

If you are dissatisfied with our response, you may contact the **Public Services Ombudsman for Wales**:

- **Telephone:** 0300 790 0203
- **Email:** [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.