

Compliance Assessment Report CAR_NRW0052079

Permit being assessed: CM0029801

For: Greenfield Wastewater Treatment Works, **held by:** DWR CYMRU CYFYNGEDIG

At: Dock Road, Greenfield, Holywell, CH8 7GJ.

Type of assessment carried out: Site Inspection,

Reason: Routine.

On 28/05/2026, between 09:00 and 17:00.

Parts of permit assessed: All

NRW Lead Officer: Amy Chisnell, accompanied by: Enfys Radley.

Report sent to: CARS mailbox, CARS mailbox, on 15/06/2026.

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

Part of permitted activity assessed (criteria)	Assessment result	Non-compliant permit condition
WQ-B2 - Water Quality - Operations - The site	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 28th May 2026, NRW officers met with DCWW representatives at Greenfield WWTW. The operations supervisor was present, as well as the pollution prevention technicians.

Greenfield WWTW is gravity fed by the network into a large well and a pair of Archimedes screws are used at the inlet to lift the incoming flows to the start of the works. The screws are used one at a time and use is alternated. However, on the day of inspection, it was noted that one screw was having issues and a pump is used to assist the screw with the flows.

There is also an additional pumped inlet from Bagillt which joins at the top of the Archimedes screw.

In the inlet channel, the storm returns and supernatant returns are delivered back to the treatment process prior to the screens.

There is a mechanical screen to remove rag from the influent and a bypass screen with 6mm for higher flows or in case of mechanical screen failure. The mechanical screen is alarmed. No blockages noted in any of the incoming or outgoing channels.

The inlet flows enter a 'Detroit' grit trap after the screens.

After the grit trap, flows are passed through a channel, where the storm overflow weir is located. This overflow point is monitored by an Event Duration Monitor to Storm (EDMs) level sensor. Past the storm overflow, there is a narrowing of the channel to create a flume. This is where the Full Flow to Treatment (FFT) is monitored.

At the end of this channel, there is a clearly labelled and accessible UWWTR Influent (Crude) sample point.

There is one storm tank on site. The overflow point is located at the top of the tank, at the opposite end to the inlet. The Event Duration Monitor to the environment (EDMe) is at the deeper end of the tank (inlet to the tank) and is a level sensor. The tank bottom is sloped towards the blowers located at the inlet end, to help clean the bottom of the tank when flows return to treatment by allowing the settled solids to be disturbed by the blowers. These blowers will only operate when the tank is returning flows to the treatment process.

Flows are then split between the primary tanks via the distribution chamber. There are 2 primary tanks on site and both are in good working order.

1 primary tank had recently been emptied as part of routine maintenance to check the scrapers. The tank has now been put back into service whilst awaiting the new parts to allow for treatment of currently strong influent due to the warmer weather.

There are 4 filter beds on site. All were in use.

All arms were rotating freely, the filter media appeared evenly wetted and all sparge holes appeared clear. There was no evidence of ponding or litter on the filter beds and no plant growth. The operational supervisor confirmed that the site is visited daily and clearing of sparge holes and plant growth is on the operator's daily task list.

There are 2 humus tanks on site, both were in use and in good working order. Baffle boards are in place, and scrapers and brushes were operational. There was no evidence of build-up of sludge.

The site benefits from automated desludging of the tanks.

The old digester is now used as the sludge holding tank. There is no level sensor but the tank is on a routine emptying schedule and has spyglass on the top that operators can check. This storage tank is due to be replaced during the growth scheme.

The final effluent (FE) is pumped into the Dee Estuary. The outfall was not able to be viewed due to H&S concerns.

The FE sample point was accessible and clearly labelled.

The FE pumps are due for replacement. Temporary pumps are currently in place. The replacement pumps will require the floor to be cut away and new pipework as the new pumps will be larger. The FE pumps are to be repaired before growth scheme work is due to start.

The outfall flap valve had recently been broken and was allowing tidal Dee to back up and flood the works (humus tanks) but this has now been repaired.

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

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

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.