

Compliance Assessment Report CAR_NRW0044747

Permit being assessed: BC0016601

For: Trebanos Wastewater Treatment Works, held by DWR CYMRU CYFYNGEDIG
At: Pheasant Road, Trebanos, Pontardawe, Swansea, SA8 4BR.

Type of assessment carried out: Site Inspection, Reason: Incident Response (Incident number: 2410100).

On 02/07/2024, between 21:00 and 22:30.

Parts of permit assessed: 3.1

NRW Lead Officer: Chris Palmer, accompanied by: Owen Caughlin, Rhys Griffiths.

Report sent to: CARS Mailbox, CARS Mailbox, on 17/09/2024.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-C1 - Water Quality - Emissions and monitoring - Emissions to water	C2 Significant	Condition 3.1.1 - The Limits given in schedule 3 table S3.1 shall not be exceeded. - BOD
WQ-C1 - Water Quality - Emissions and monitoring - Emissions to water	C3 Minor	Condition 3.1.1 - The Limits given in schedule 3 table S3.1 shall not be exceeded. - Suspended Solids

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	Provide maintenance records of the gearbox to the 6 months prior to 2 July 2024, including any scheduled or unscheduled. Please ensure these records detail what work was undertaken on this gearbox including reasons why and any recommendations made by service engineers	29/10/2024
WQ-C1	Provide maintenance records of the gearbox to the 6 months prior to 2 July 2024, including any scheduled or unscheduled. Please ensure these records detail what work was undertaken on this gearbox including reasons why and any recommendations made by service engineers.	29/10/2024

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.

You are non-compliant with your permit.

We are currently considering taking enforcement action against you for the non-compliance recorded above. We will contact you in due course.

4. Details of our assessment

This report is issued in response to an incident reported to NRW

Permit version in effect - 31/05/2023

On 2 July 2024 Natural Resources Wales (NRW) were informed via incident report (WIRS ref: 2410100) of an issue with the Final Effluent (FE) at Trebanos Waste Water Treatment Works.

An assessment was undertaken by the Environment Management Duty Officer and a Site Controller (EMSC) was dispatched to site to assess impact to the river and collect compliance/evidence samples as necessary.

EMSC collected samples of the FE along with corresponding upstream and downstream samples from the River Tawe.

The following table shows the results of the sample analysis undertaken by NRW's Analytical Services.

21:58:00	DISCHARGE POINT TREBANOS STW OUTFALL INTO RIVER TAWE. NGR SN7091302123	0085 / BOD ATU	205	mg/l
21:58:00	DISCHARGE POINT TREBANOS STW OUTFALL INTO RIVER TAWE. NGR SN7091302123	0111 / Ammonia(N)	29.1	mg/l
21:58:00	DISCHARGE POINT TREBANOS STW OUTFALL INTO RIVER TAWE. NGR SN7091302123	0135 / Sld Sus@105C	51	mg/l

The final effluent was show to be discharging above the permitted MAX limits for BOD and Suspended Solids. Ammoniacal nitrogen was also shown to been in excess of LUT limits, however this is not scored as it is the only LUT failure in the 12moths prior to the incident.

Parameters described in Table 3.1a are as follows:

BOD - 40mg/l LUT - 80mg/l MAX

Ammoniacal nitrogen - 25mg/l LUT - 50mg/l MAX

Suspended Solids - 45mg/l

NON-COMPLIANCE - CCS 2 (BOD) - Condition 3.1.1 - The Limits given in schedule 3 table S3.1 shall not be exceeded.

NON-COMPLIANCE - CCS 3 (Suspended Solids) - Condition 3.1.1 - The Limits given in schedule 3 table S3.1 shall not be exceeded.

As per the 10-day storyboard sent to NRW on the 1 August 2024, the reason for the non-compliance is given as following "A gearbox failure on one of our surface aerators inhibited solids recycling and resulted in a decrease in our final effluent quality".

ACTION - Provide maintenance records of the gearbox to the 6 months prior to 2 July 2024, including any scheduled or unscheduled. Please ensure these records detail what work was undertaken on this gearbox including reasons why and any recommendations made by service engineers. Due **29/10/24**.

Note:

Two further site visits were undertaken on the 3 July and 4 July. On both occasions further compliance samples were taken. Results show the effluent had returned to compliance by the 3 July.

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 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.