

Compliance Assessment Report CAR_NRW0042857

Permit being assessed: AN0306001

For: Combined Sewer Overflow and Emergency Overflow serving Western Valley Trunk Sewer, held by DWR CYMRU CYFYNGEDIG

At: Cardiff Road, Coedkernew, NP10 8TN.

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

On 23/11/2023, between 10:10 and 11:30.

Parts of permit assessed: On site asset permit compliance

NRW Lead Officer: Elis Nuttall.

Report sent to: Dwr Cymru/Welsh Water, Asset owner/operator, on 05/12/2023.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
IR1A - Management - General management	Action only (X)	
IR1A - Management - General management	Action only (X)	
IR1A - Management - General management	Action only (X)	
IR4B - Information - Reporting	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
IR1A	Confirm the maintenance schedule for the on-site telemetry system.	19/12/2023
IR1A	Confirm the maximum capacity of the tidal tanks on site.	19/12/2023
IR1A	Remove excess debris from the sample point location as part of general site maintenance.	21/12/2023
IR4B	During the next asset inspection DCWW should provide NRW an update on the condition of the outfall pipe and any maintenance required. Please note no specified deadline for this action will be enforced.	21/12/2023

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

Site Visit Report

This report details the site visit made on the 23/11/2023 to Western Valley Trunk Sewer CSO at Cardiff Road, Coedkernew permit reference number AN0306001.

NRW Officer Elis Nuttall (EN) attended Western Valley Trunk Sewer CSO at Cardiff Road, Coedkernew for a water quality and permit compliance review at 10:10 where he met with DCWW Pollution Prevention Officer Gina Loveland (GL). The weather was clear, dry and cold but recent heavy rainfall was recorded in the area.

It is noted that at the time of the visit the regulating officer had submitted a data request for this asset to DCWW but had not yet received the requested information. A data audit assessment will be carried out separately to this site/infrastructure assessment.

Site Observations

General Observations

The site is a Combined Sewer Overflow serving Western Valley Trunk Sewer at Cardiff Road, Coedkernew. It is consented to discharge storm sewage at a rate greater than 1458 l/s. All flows are to be screened via a screen with a maximum aperture of 6mmx6mm. The site was operational at the time of the visit.

CSO, Storm Tanks and Monitoring Point

On lifting the chamber covers there was clearly high flows passing through the CSO due to recent heavy rainfall. This is evidenced in Figure 1.



Figure 1: Site visit photo – High flows seen within the CSO chamber.

It was stated by GL that planned maintenance for the asset is undertaken every 6 months,

including jetting to remove excess debris.

The automated screening process was working as designed at the time of the visit with the flipper arms removing the larger pieces of debris to return to treatment. This is evidenced in Figure 2.



Figure 2: Site visit photo – Screening process where flipper arm can be seen removing larger debris for return to treatment.

The screen itself was in good condition and working as designed with the aperture size confirmed as 6mmx6mm by GL. It was clear of excess debris and ragging. This is evidenced in Figures 3 and 4.



Figure 3: Site visit photo – The screen in good working condition at the time of the visit.



Figure 4: Site visit photo – The screen in good working condition at the time of the visit.

Telemetry was in place and can be viewed/monitored via an on-site monitoring point. This is evidenced in Figure 5. Maintenance schedules of the telemetry equipment was not known so GL to confirm for the regulating officer.

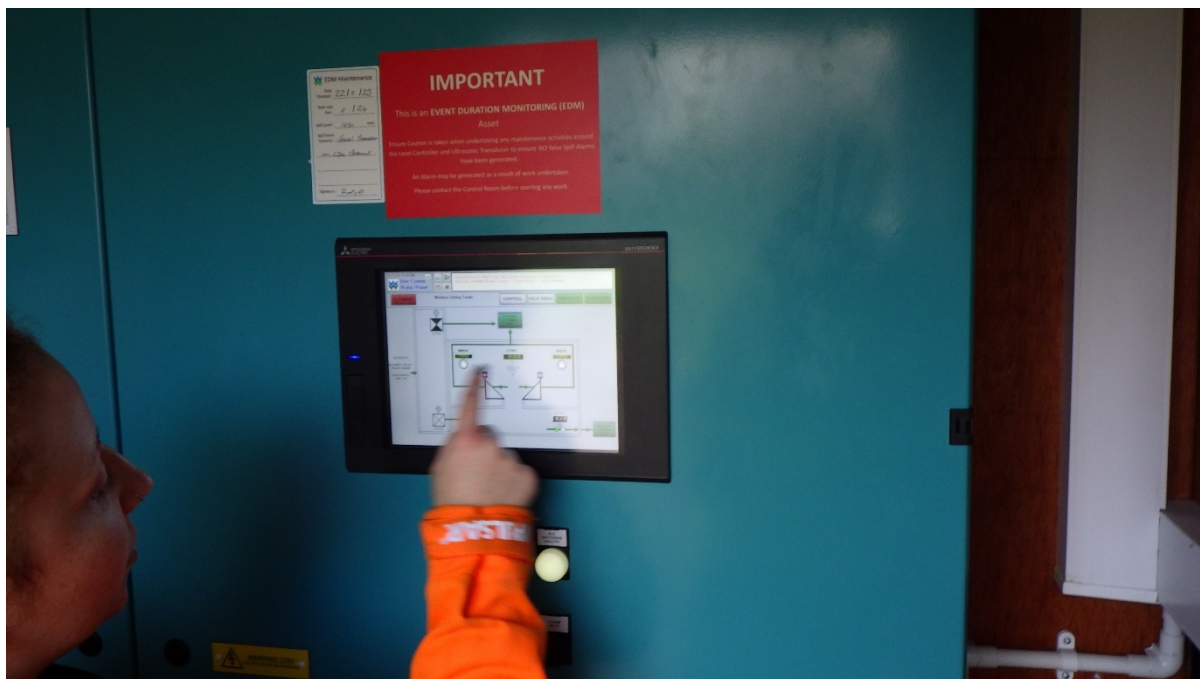


Figure 5: Site visit photos – Telemetry available on site and in good working order.

The storm storage tanks on site were described as a tidal tanks which return storm discharges to the lines with the corresponding low tides. At the time of the visit tank 1 was at 100% capacity with tank 2 at 20% capacity. It is noted that tank 1 feeds into tank 2. The maximum capacity of the storage tank system was not known on site by GL so DCWW will

confirm this with the regulating officer. All access points to the storm tanks were clearly accessible with no obstructions as evidenced in Figure 6.



Figure 6: Site visit photo – Access points to storm tanks clear of obstructions.

The sample point was located at the consented point specified on the permit and was clearly accessible as evidenced in Figures 7 and 8. It is noted that within the small DCWW compound there were various pieces of waste that should be removed as part of general site maintenance.



Figure 7: Site visit photo – Clearly accessible DCWW asset where the sample point is located.



Figure 8: Site visit photo - Clearly accessible sample point

EN left the CSO site at 10:50 and proceeded to inspect the storm line outlet point.

Outlet Point

An attempt was made to observe the storm outlet point located at ST2954 8010. However, as this outfall is a below water discharge the pipe itself was not observable at the time of the visit due to the tide obscuring its view and the nature of the site being located on the mudflats of the Severn Estuary. This is evidenced in Figure 9. As a result an assessment of the outfall conditions could not be undertaken at this time. It is requested that DCWW provide NRW with an update on the outfall condition and any required maintenance on the next asset inspection.



Figure 9: Site visit photo – Storm outfall submerged and inaccessible at the time of the visit.

Officer Elis Nuttall left site at 11:30.

Breaches of permit condition:

No breaches were recorded during this visit. Please see advisory comments and actions below.

Action required by dates specified:

No compliance breach actions. Please see advisory comments and actions below.

Other advisory comments/actions:

1. Confirm the maintenance schedule for the on-site telemetry system.

Deadline: 19/12/2023

2. Confirm the maximum capacity of the tidal tanks on site.

Deadline: 19/12/2023

3. Remove excess debris from the sample point location as part of general site maintenance.

Deadline: Advisory – When possible

4. During the next asset inspection DCWW should provide NRW an update

on the condition of the outfall pipe and any maintenance required.

Deadline: On completion of next asset inspection.

If we do not receive the information requested within specified deadline and have not been informed as to why there is a delay then we may serve a Regulation 60 Notice requiring the information under Environmental Permitting (England and Wales) Regulations 2016.

Contact details:

If you have any queries regarding this CAR form or to provide an update on any actions above, please contact me using the following details: Elis Nuttall, Environment Officer, elis.nuttall@naturalresourceswales.gov.uk, 03000654651/07904606156.

Thank you,

Elis Nuttall.

In this document 'Natural Resources Wales' means the Natural Resource 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.