

Compliance Assessment Report CAR_NRW0039123

Permit being assessed: S/09/55985/R

For: Knighton Sewage Treatment Works, held by Hafren Dyfrdwy Cyfyngedig
At: Ludlow Road, Knighton, Powys, LD7 1LP.

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

On 08/12/2021, between 11:30 and 12:30.

Parts of permit assessed: ALL

NRW Lead Officer: Julia Lloyd, accompanied by: Timothy Arlett.

Report sent to: Hafren Dyfrdwy, Operator, on 29/12/2021.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-A1 - Management - General management	C4 No impact	pooling effluent on top of the filter bed in picture shown and signs of septic conditions

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

2. What action is required?

Criteria	Action needed	Complete by
WQ-A1	Continue to review condition, in work plan for refurbishment	15/12/2021

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

Natural Resources Wales Officers Timothy Arlett and Julia Lloyd carried out a pre-planned OSM site inspection. We were accompanied by Hafren Dyfrdwy Barry Wills, Sue Cornes, Jason Phillips and Chris Jones.

Observations during the visit - The weather during the visit was overcast and windy and raining the previous night had been stormy and wet. The inspection started at the storm, then from the inlet through to the outfall.

The audit started at the storm overflow. The, overflow was discharging at the time of the visit. On to the inlet, primary treatment settlement tanks and on to secondary treatment, the site has 6 filter beds to the final settlement tanks, the site currently has tertiary treatment. The site is visited by the operator three times a week, and has telemetry in place, the site has a contract in place for back up pumps along with a backup generator.

Storm - The 6 x storm overflow is and located at the front end of the works with flow monitoring in place. Both 6 times and 3 times storm overflows were in operation.

Inlet - The incoming flow to the site is screened and pumped up to the inlet point by an archimedean Water Screw Pump. No solids or rag were observed in the inlet channel during the visit. Phosphate Dosing is added at front end of plant to meet condition in permit, this was observed and working during the audit.

Primary Treatment – The primary settlement tanks appeared to be operating effectively with no signs of solids passing over to the outfall.

Filter beds – There are six filter beds which contain a mixture of filter media. Ponding was observed on one of the six filter beds. The filter bed is being reviewed by HD with a possibility of replacing the media or a full refurbishment, in AMP8 (2025 to 2030) work plan. The rotation arms on four of the beds were running under reaction due to flooding issues and being managed manually at the time of the audit. This did not appear to have an impact to effluent quality but would involve more operator management at the site. The media had a build-up of moss, this was discussed and it was told that it did not cause any operational issues, our observations were that 5 of the 6 beds were free flowing.



Pooling effluent on top of one of the filter bed in picture shown and signs of septic conditions - see action

Humus Tank - The humus tank appeared to be operating effectively, there were no signs of solids in the outfall channels. There is a thin covering of duckweed present on the surface of the humus tank, however this does not appear to be hindering its operation and is contained within the scum board. The effluent within the outfall was clear and there were no signs of concern.

Tertiary Treatment (BAFF) – Because of concerns from pooling filter bed temp tertiary treatment has been added with further treatment.

Outfall and final sample point– Signage was clearly labelled, no concerns observed.
Outfall not observed due to flooding conditions.

Paperwork audit – Inspection of diary and golden measures were reviewed no concerns found, flow meter was mcerts certified.

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.