

Compliance Assessment Report CAR_NRW0037116

Licence being assessed: 22/63/1/0024.

For: Multiple points in Ceredigion, held by Statkraft Energy Ltd.

At: Unnamed Site, Ponterwyd, Aberystwyth, Ceredigion, SY23 3AG.

Type of assessment: Site Inspection, Reason: Routine.

On 01/10/2020, between 10:00 and 13:45.

Parts of licence assessed: 1, 2, 3, 4, 5 & 7

NRW Lead Officer: Heidi Markham.

Report sent to: Paul Miller, Production Engineer, on 13/11/2020.

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

Part of licenced activity assessed (criteria)	Assessment result	Licence condition
WR-A2 - Abstraction specified by licence - Points of abstraction	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 or civil sanctions being imposed depending on the circumstances of the offence.

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

A routine Water Resources inspection was carried out by Heidi Markham from the Ceredigion Environment Team on 1st October 2020. Abstraction Points B (Dinas Reservoir), C (Afon Castell), D (Nant y Bog), E (Afon Llywernog) and Cwm Rheidol compensation flow and fish lift were inspected during the visit.

Abstraction Point B - Dinas Reservoir

The water abstracted from Dinas Reservoir is used for hydro-electric power generation.

There appeared to be good flows in the Afon Rheidol downstream of the dam. The LogoSens meter was checked whilst on site. It appeared to be well maintained and fully operational. The meter was reading 0.295 m³/sec during the visit and the stationary staff gauge appeared to be reading 0.293 m³/sec. The staff gauge was dirty at the time of the visit, which made taking a reading difficult.

Access to the standing platform that is used to view the stationary staff gauge is difficult. This poses a Health and Safety risk to any operator that needs to access the platform.

No other issues were identified.



Figures 1 & 2: Staff Gauge and Access to Viewing Platform

Abstraction Point C - Afon Castell

Water abstracted from Afon Castell is transferred to Dinas reservoir, which is used for hydro-electric power generation. From a visual inspection, there were no issues with the outfall into Dinas Reservoir. The LogoSens meter and staff gauge were read at the time of the visit.

The screen was found to be clear from debris during the visit. The vegetation growth within the pool above the weir appeared not to be affecting the compensation flow at the time of

the inspection.

No issues were identified.



Figures 3 & 4: Staff Gauge and Outfall for Afon Castell abstraction point





Figures 5 & 6: Afon Castell Intake and Weir

Abstraction Point D - Nant y Bog

Water abstracted from Nant y Bog is transferred to Dinas Reservoir for subsequent re-abstraction at Point B. From a visual inspection the orifice plate and abstraction plate were in good working order and free from any obstruction. The flow downstream of the abstraction point appeared to be unobstructed at the time of the visit. The Thalimedes meter appeared to be well maintained. Both the meter and gauge gave a reading of 0.080m.

No issues were identified at the time of the visit.





Figures 7 & 8: Orifice plate and downstream flow at Nant y Bog

Abstraction Point E - Afon Llywernog

The water abstracted from Afon Llywernog is transferred to Rheidol Power Station where it is used for hydro-electric power generation. From a visual inspection, there were no issues with the intake or weir at the time of the visit.

The meter appeared to be well maintained and in good working order. A reading of 0.073m was taken from the meter and the staff gauge gave a reading of 0.075m.

There have previously been issues on site with the downstream flow, which has resulted in the orifice plate becoming submerged at times. Work carried out on the removal of some of the bench stones appears to have helped resolve this issue. I have been notified that since the inspection, the debris from under the bridge has been cleared. It is advised that the site is monitored regularly to ensure the orifice plate remains free from obstruction.

During the time of the inspection, the orifice plate was free from obstruction, the screen was clean and clear and no issues were identified on site.





Figures 9 & 10: Orifice Plate and Abstraction Screen at Afon Llywernog

Cwm Rheidol Compensation Flow and Fish Lift

The Cwm Rheidol fish lift appeared to be in good working order. A branch was trapped in the upstream opening to the fish lift. The relevant member of staff was notified of this during the visit. From a visual inspection, there appeared to be a good flow in the Afon Rheidol downstream of the dam and the compensation flow was free from any obstruction. There was slight foaming observed on the surface of the water above the weir, this appeared to be natural.

No other issues were identified at the time of the visit.





Figures 11 & 12: *Fish Lift and Weir at Cwm Rheidol*

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 licence is issued to you under the Water Resources Act 1991 as amended by the Water Act 2003. You have a responsibility to comply with the conditions of your licence 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.

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 resource action criteria (used in section 1 and 2):**WR A: Abstraction specified by Licence**

- WR-A1 Source of supply
- WR-A2 Points of abstraction
- WR-A3 Means of abstraction
- WR-A4 Purposes of abstraction
- WR-A5 Period of abstraction
- WR-A6 Quantities
- WR-A7 Land
- WR-A8 Other specified on licence

WR B: Abstraction measurement and records

- WR-B1 Means of measurement
- WR-B2 Recording
- WR-B3 Reporting

WR C: Surface / Groundwater level and protected flow

- WR-C1 Minimum hands-off flow/level requirements
- WR-C2 Flow/level measurement devices
- WR-C3 Recording
- WR-C4 Reporting

WR D: Environmental monitoring and information

- WR-D1 Recording
- WR-D2 Reporting
- WR-D3 Notifications

WR E: Fish and eel passage

- WR-E1 Infrastructure specified by licence
- WR-E2 Maintenance and records

WR F: Discharge

- WR-F1 Point of discharge
- WR-F2 Infrastructure
- WR-F3 Measurement
- WR-F4 Recording
- WR-F5 Reporting

WR G: Impoundment specified by licence

- WR-G1 Inland water to be impounded
- WR-G2 Manner and extent of impoundment
- WR-G3 Point(s) of impoundment
- WR-G4 Construction and removal requirements
- WR-G5 Other specified on licence

WR H: Borehole infrastructure

- WR-H1 Infrastructure and accessibility
- WR-H2 Maintenance and calibration

Enforcement response

Any licence condition non-compliance is an offence and we may take legal action against you. Action we take can include prosecution or civil sanctions. 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 (Mon to Fri 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.