

**This form will report compliance with your permit as determined by an NRW officer**

Site	Multiple points in Ceredigion	Permit Ref	22/63/1/0024		
Operator/Permit holder	Statkraft Energy Ltd				
Regime	Water Abstraction				
Date of assessment	01/10/2019	Time in	12:30	Out	15:30
Assessment type	Site Inspection				
Parts of the permit assessed	1, 2, 3, 4, 5, 6, 7, 8 and 9				
Lead officer's name	Markham, Heidi				
Accompanied by					
Recipient's name/position	Paul Miller/ Production Engineer	Date issued	14/10/2019		

### Section 1 – Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations or the licence under the Water Resources Act 1991 as amended by the Water Act 2003. A detailed explanation is captured in "Compliance Assessment Report Detail" (Section 2) and any actions you may need to take are given in the "Action(s)" (section 4). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS Scores can be consolidated or suspended where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

Permit conditions and compliance summary	CCS Category	Condition(s) breached
<p><b>KEY:</b> See Section 5 for breach categories, suspended scores will be indicated as such.  <b>A</b> = Assessed or assessed in part (no evidence of non-compliance), <b>X</b> = Action only,  <b>O</b> = Ongoing non-compliance, not scored.</p>		

<b>Number of breaches recorded</b>	<b>0</b>	<b>Total compliance score</b> (see section 5 for scoring scheme)	<b>0</b>
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**If the Number of breaches recorded is greater than zero, please see Section 3 for our proposed enforcement response**

## Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- The part(s) of the permit that were assessed (eg. Maintenance, training, combustion plant, etc)
- Where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- Any non-compliances identified
- Any non-compliances with directly applicable legislation
- Details of any multiple non-compliances
- Information on the compliance score accrued inc.
- Details of advice given
- Any other areas of concern
- Any actions requested
- Any examples of good practice
- A reference to photos taken

Routine Water Resources inspection carried out by Heidi Markham from the Ceredigion Environment Team on 1st October 2019. Abstraction Points A (Nant y Moch Reservoir), B (Dinas Reservoir), C (Afon Castell), D (Nant y Bog), E (Afon Llywernog) and Cwm Rheidol compensation flow and fish lift.

### Abstraction Point A - Nant y Moch Reservoir

Water abstracted from Nant y Moch Reservoir is used for hydro-electric power generation. The abstraction point was inspected. The flow was measured on the LogoSens meter as 0.156 m<sup>3</sup>/sec during the visit and the meter correlated with the stationary staff gauge. The LogoSens meter appeared to be well maintained and fully operational. No issues identified. The returns data for this abstraction have been provided for the period 1st April 2019 - 30th September 2019. The total abstraction of water for this period was 36,046,769 m<sup>3</sup>, which is 21% of the licenced amount.



*Figures 1 & 2: Staff Gauges at Nant y Moch Reservoir*

### 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 which appeared to be well maintained and fully operational. The meter reading was 0.290 m<sup>3</sup>/sec during the visit and the meter correlated with the stationary staff gauge. The staff gauge has been replaced/fixed as requested on the last visit. The gauge is in need of a clean, which the Officer was informed had already been requested. No other issues identified during the inspection. The returns data for this abstraction have been provided for the period covering 1st April 2019 - 30th September 2019. The total abstraction for this period was 42,850,990 m<sup>3</sup>, which is 18% of the licenced amount.

Access to the standing platform in order to view the stationary staff gauge is difficult due to the

rocks being very slippery and on a slope.



*Figures 3 & 4: Staff Gauge and access to the Staff Gauge*

#### 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 at the outfall was inspected, this displayed a reading of 0.556m. The stationary staff gauge reading was 0.555m. No issues were identified.

The removal of weeds from the weir was discussed during the visit. The weeds are affecting the water level measurements during low flows. The NRW Officer will follow up on what is required in order to carry out this work.

The returns data for this abstraction have been provided for the period 1st April 2019 - 30th September 2019. The total abstraction of water for this period was 7,496,196 m<sup>3</sup>, which is 24% of the licenced amount.



*Figures 5 & 6: The outfall and Staff Gauge at Afon Castell*

#### 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 screen were in good working order and free from any obstruction. The screen was cleaned during the visit. There appeared to be good flows downstream of the abstraction point. The Thalimedes meter appeared to be in good working order. The meter gave a reading of 0.122m, which correlated with the gauge reading. No issues were identified at the time of the visit.

The returns data for this abstraction have been provided for the period 1st April - 30th September 2019. The total abstraction of water for this period was 261,773 m<sup>3</sup>, which is 20% of the licenced amount.



*Figures 7 & 8: Orifice Plate and Abstraction Screen at Nant y Bog*

#### Abstraction Point E - Afon Llywernog

The water abstracted from Afon Llywernog is used for hydroelectric power generation transferred to Rheidol Power Station. From a visual inspection there were no issues with the abstraction point or the weir. The screen was cleaned at the time of inspection. The Officer was informed that the screen had also been cleaned the previous day. Please be aware that if the debris builds up, it may enter and block the orifice plate. At the time of inspecting, the orifice plate was clear from any obstruction and working as designed.

There have been previous issues on site with the flow downstream. This has resulted in the orifice plate becoming submerged at times. The removal of some of the large stones from the riverbed appears to have helped the flow by creating deeper pools and providing a better downstream gradient. It is advised that the site is monitored but at the time of inspection, no issues were identified.

The returns data for this abstraction have been provided for the period 1st April 2019 - 30th September 2019. The total abstraction of water for this period was 595,452 m<sup>3</sup>, which is 18% of the licenced amount.



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

#### Cwm Rheidol compensation flow and fish lift

The Cwm Rheidol fish lift was in good working order and no issues were identified. From a visual inspection there appeared to be good flows in the Afon Rheidol downstream of the dam and the compensation flow was free from any obstruction. No issues were identified.



*Figures 11 & 12: Cwm Rheidol Compensation Flow*

*END.*

## EPR Compliance Assessment Report

**Report ID:  
CAR\_NRW0035807**

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Site	Multiple points in Ceredigion	Permit Ref	22/63/1/0024
Operator/Permit holder	Statkraft Energy Ltd	Date	01/10/2019

### Section 3 – Enforcement Response

You must take immediate action to rectify any non-compliance and prevent repetition. Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.

### Section 4 – Action(s)

This section summarises the actions identified during the assessment along with the timescales for when they will need to be completed.

Criteria Ref.	CCS Category	Action required/advised	Due Date
See Section 1 above			

## Section 5 – Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- Advise on corrective actions verbally or in writing
- Require you to take specific actions verbally or in writing
- Issue a notice
- Require you to review your procedures or management system
- Change some of the conditions of your permit
- Decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you

- We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.
- Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and/or suspension or revocation of the permit.

**See our Enforcement and Civil Sanctions guidance for further information**

This report does not relieve the site operator of the responsibility to

- Ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- Ensure you comply with other legislative provisions which may apply

### Non-compliance scores and categories

CCS category	Description	Score
C1	A non-compliance that could have a major environmental effect	60
C2	A non-compliance which could have a significant environmental effect	31
C3	A non-compliance which could have a minor environmental effect	4
C4	A non-compliance which has no potential environmental effect	0.1

**Operational Risk Appraisal (Opra)** - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

## Section 6 – General information

### Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- Offering/providing you with its literature/services relating to environmental matters
- Consulting with the public, public bodies and other organisations (eg. 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 its service
- Freedom of Information Act/Environmental Regulations request

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

### Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this report should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within fifteen working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

### Customer charter

#### What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with officer's line managers using the informal appeals procedure. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00 – 18.00) and ask for the Customer Contact team or send an email to [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk). If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

#### Welsh Language

If you would like this form in Welsh please contact your Regulatory Officer.