Compliance Assessment Report CAR_NRW0052932

Permit being assessed: XP3131VK.

For: Deeside Power Station, **held by:** Deeside Power (UK) Limited

At: Deeside Power Station Weighbridge Road , Deeside Industrial Park, DEESIDE, Flintshire, CH5 2UL.

Type of assessment: Site Inspection,

Reason: Routine.

On: 21/08/2026 between 10:00 and 13:15.

Parts of permit assessed: Various.

NRW Lead Officer: Stuart Ross.

Report sent to: Station Manager, Station Manager, on 29/09/2026.

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

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
IR1A - Installations - Management - General Management	Action only (X)	
IR2A - Installations - Operations - Permitted activities	Assessed (A)	
IR2E - Installations - Operations - Improvement programme	Assessed (A)	

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

Total non-compliances recorded	Total non-compliance score
0	0

How we use the non-compliance score to calculate your annual fee is explained in the 'Important Information' section below.

2. What action is required?

Criteria	Action needed	Complete by
IR1A	Action 1 - Amend procedure DSP-ROU-OPS-PSB Version 2 dated 23 August 2026 to align with the permit insofar that it only authorises the discharge of 'uncontaminated site surface water including rain water via emission point W1. Submit the amended procedure to NRW by 02/10/26.	02/10/2026

Compliance 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

This Compliance Assessment Report follows a routine site inspection at Deeside Power Station. The site inspector, Stuart Ross, met with the Station Manager, Site Engineer and also the Project Manager who is overseeing the construction of the new gas engines.

The inspection primarily focussed on a discussion of permit requirements following the recent substantial permit variation, including the new listed activities, improvement conditions and emissions monitoring requirements. It was also an opportunity for NRW to to be updated on the gas engine installation project.

Project Update

The installation of 11 gas engines and ancillary infrastructure is at an advanced stage with commissioning planned for early October 2026, and normal operations by month end. The Operator is co-ordinating multiple complex projects including completing connections to the natural gas and electricity transmission networks.

Improvement Programme

The permit includes 4 new Improvement Conditions (ICs), the requirements of which were discussed during the inspection.

Following the inspection, and on 01/09/26, the Operator submitted their response to IC15 for the installation of a new 4000 litre diesel storage tank for fuelling the existing emergency generator.

The response has been reviewed and the specification of the tank is deemed satisfactory. The 4000 litre tank is integrally bunded with a capacity of 110% of the maximum inventory. Ancillary filling equipment is also contained. The tank will be bolted to a purpose built concrete slab.

Please note that before the tank is filled the requirements of IC16 must be met.

Emissions Monitoring - Air

Each gas engine has a dual exhaust configuration with emissions collected from each side of the cylinder head. These combine and mix within the silencer before entering and venting from the single stack. The top of each stack has monitoring ports fitted but there is

no permanent access.



Permit condition 3.4.4 requires that permanent means of access shall be provided to enable sampling/monitoring to be carried out as required by the permits, unless otherwise agreed with NRW.

As per permit condition 3.4.7, each MCP (engine) will require emissions testing within four months of the issue date of the permit or the date when the MCP is first put into operation,

whichever is later.

It is recommended that at the earliest opportunity, the Operator reviews the monitoring provisions against the requirements of the permit and those set out in guidance note *'Monitoring stack emissions: measurement locations' updated 14 December 2022*, as available on the .GOV website to determine how monitoring will be completed in compliance with the permit and guidance. It is also recommended that this review includes consultation with the Operator's appointed MCERTs test laboratory.

For the first set of emissions monitoring data submitted to NRW, please include a copy of the MCERTs monitoring report and Site Specific Protocol (SSP).

Emissions Monitoring - Water

Following the inspection, and on the 08/09/26, the operator submitted a proposed monitoring method for the visual monitoring of oil and grease in the W1 discharge, this is documented in procedure reference DSP-ROU-OPS-PSB, Version 2, dated 23 August 2026.

The discharge via W1 must be over pumped (it is not a gravity drain) and the Operator's procedure states that 'waste water' is only discharged on a periodic basis when required. It is therefore acceptable that a check on oil and grease is made prior to the daily discharge should one occur, opposed to checking the collection sump daily when no discharges are occurring.

It is noted that the procedure refers to 'waste water' when the permit only authorises the discharge of 'uncontaminated site surface water including rain water' - the procedure should be amended to reflect this.

Also, it is noted that the procedure accounts for the presence of glycol in the discharge and sets an internal emission limit value and steps to be taken, including dilution of glycol with water from the fire main.

NRW wishes to make it clear that following the permit variation, the discharge of any substance other than clean and uncontaminated site surface drainage via emission point W1 is not acceptable and would be in breach of permit. Glycol must not be present in the site drainage system and if found to be present the source should be investigated, remediated and any polluted water removed from site and disposed of - polluted drainage shall not be diluted and discharged via emission point W1.

Action 1 - Amend procedure DSP-ROU-OPS-PSB, Version 2, dated 23 August 2026 to align with the permit insofar that it only authorises the discharge of 'uncontaminated site surface water including rain water' via emission point W1. Submit the amended procedure to NRW by 02/10/26.

Reporting Form Performance 1

During the inspection the Operator stated that they believed reporting form 'Performance 1' could be improved and proposed to submit suggested amendments to NRW for consideration. This was received via email 09/09/26.

The form now includes a breakdown of 'raw material used' to include specific raw materials opposed to a generic total. It also includes natural gas, gas oil and lubricating oil consumption. This change is welcomed and accepted in accordance with permit condition 4.2.3 and shall be used going forward.

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 of 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 required for the permit condition assessed to avoid non-compliance. No non-compliance scored at this time
Ongoing (O)	Ongoing non-compliance, not scored

Non-compliance category	Description	Score
C1 Major	Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property	60
C2 Significant	Potential to have a significant impact or effect on the environment, people and/or property	31
C3 Minor	Potential to have a minor or minimal impact or effect on the environment, people and/or property	4
C4 No environmental impact	Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property	0.1

How we use assessment scores
The number and severity of non-compliances recorded in a year will affect your annual subsistence fee the following year. A non-compliance factor is added to your site's Operator Performance Risk Appraisal (OPRA) score when we calculate your fee to reflect the additional resource we use to assess permit compliance.

If your assessment result in Section 1 is suspended, what does this mean?
In line with our guidance, we may suspend scores for up to six months to allow time for remedial action to be taken. Suspended scores will be re-instated if the action is not completed.

Full list of Industry compliance criteria (used in section 1 and 2):

1. Management
- IR1A – General management
- IR1B – Finance (only applicable to Landfill)
- IR1C – Energy efficiency
- IR1D - Efficient use of raw materials
- IR1E - Avoidance, recovery and disposal of wastes produced by the activities
- IR1F - Multiple operator installations

2. Operations
- IR2A – Permitted activities
- IR2B – The site
- IR2C – Operating techniques
- IR2D – Technical requirements
- IR2E – Improvement programme
- IR2F – Pre-operational conditions
- IR2G – Landfill engineering (only applicable to Landfill)
- IR2H – Waste acceptance (only applicable to Landfill)
- IR2I – Leachate levels (only applicable to Landfill)
- IR2J – Closure and aftercare (only applicable to Landfill)
- IR2K – Landfill gas management (only applicable to Landfill)

3. Emission and Monitoring
- IR3A(1) – Emissions to water
- IR3A(2) – Emissions to air
- IR3A(3) – Emissions to land
- IR3B – Emissions of substances not controlled by emission limits
- IR3C – Odour
- IR3D – Noise and vibration
- IR3E – Monitoring
- IR3F – Pests
- IR3G – Air quality management plans
- IR3H – Monitoring for the purposes of the Industrial Emissions Directive (this heading includes Large Combustion Plants)
- IR3I – Fire

4. Information
- IR4A – Records
- IR4B – Reporting
- IR4C – Notification

Enforcement response
Any non-compliance with a permit condition 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 twenty working days to let you know if we agree to your request.

Disputing the Content of this Compliance Assessment Report Form
If you disagree with the content of this Compliance Assessment Report form, you should submit your concerns, in writing, to the regulating officer who issued it within **15 working days** of its issue. This will be treated as a **Stage 1 review**.

If you are not satisfied with the outcome of the stage 1 review, you may request a **Stage 2 appeal**. This request must be submitted **within 21 working days** of receiving the response from the stage 1 review.

Further details on our review and appeal process are available at: Natural Resources Wales / Appeal a regulatory decision from Natural Resources Wales

Concerns Not Related to the Content of this Compliance Assessment Report Form
If your concerns do not relate to the content of the Compliance Assessment Report form, you should first attempt to resolve the issue with the regulating officer or their line manager.

If the issue remains unresolved, please contact our **Customer Contact Team**:

- **Telephone**: 0300 065 3000 (Monday to Friday, 09:00–17:00)
- **Email**: enquiries@naturalresourceswales.gov.uk

They will provide details on how to escalate your concerns through our **Complaints and Commendations procedure**.

If you are dissatisfied with our response, you may contact the **Public Services Ombudsman for Wales**:

- **Telephone**: 0300 790 0203
- **Email**: 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.