

Compliance Assessment Report CAR_NRW0046517

Permit being assessed: AB3393CP.

For: Viridis 178 Swansea Power Plant, **held by:** Conrad (Alcoa) Limited

At: Viridis 178 Swansea Power Plant, Westfield Industrial Park, Waunarlwydd, Swansea, Swansea, SA5 4SF.

Type of assessment: Report/Data Review,

Reason: Other.

On: 04/12/2024.

Parts of permit assessed: Improvement Condition.

NRW Lead Officer: Elliot Jones.

Report sent to: Head of Environmental Compliance, Conrad Energy, on 10/03/2025.

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

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
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?

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 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

Conrad Energy (EPR AB3393CP) Improvement Condition 2

Natural Resources Wales performed a Site Audit of Conrad Energy, Waunarlwydd in December 2024.

Findings from the audit, revealed Improvement Condition 2 remains outstanding and requires completing.

Improvement Condition 2 requires the operator to complete a Noise impact assessment, and is outlined in the permit as the following:

IC 2	The Operator shall submit to Natural Resources Wales a noise impact assessment using the BS4142:2014 standard. The assessment shall be based on the manufacturer's stated sound power level for all fixed and mobile noise sources from the plant as built. The background noise measurements (LA90,T) and residual noise level (LAeq,T) (including tonal noise), shall be measured over a time period that is sufficiently long enough to obtain typical background noise levels which are representative of the area in which the installation is located.	Deadline of 6 months (on issue).
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Following the site inspection, Officer requested the operator forward the appropriate documentation for the noise impact assessment survey.

Operator submitted the following document on the 4th December 2024

"Alcoa Noise Assessment Report by Uniper December 2019"

Assessment has been undertaken by the sites previous operator but remains relevant, the site has remained identical and has not experienced any alteration.

Following initial review by sites officer, the report was submitted to NRW Air Quality and Noise Team for thorough review and to provide comment.

Noise Impact Assessment Comment

Based on new modelling predictions of rating levels at receptors and measured sound levels at receptors. The submitted report indicates that impacts at the nearest receptor during normal operating periods are likely to range between -5dB and +1dB above background levels. Unlikely to result in an adverse impact at receptors.

The submitted report indicates potential adverse and significant adverse impacts at receptors should the site operate during nighttime periods.

(+1dB to +8dB at Dobes Acres and -1dB to +6dB at Roseland)

This scenario is considered highly unlikely, given that the operating permit states that the installation will supply electricity to the National Grid on a short-term basis only to meet

peak demand. Which typically occurs during morning, daytime and evening periods. Therefore, there is no reason to consider any likely adverse or significant adverse impacts at receptors due to site operation during night-time periods.

Conclusion

The submitted report concludes that site operation will not result in adverse impacts at identified noise sensitive receptors during daytime and evening operation. Following review of the report by NRW Air quality and Noise team, they concur with this above statement.

The sites regulatory officer is satisfied that the noise impact assessment meets the requirements of Improvement Condition 2 of Environmental Permit AB3393CP.

Improvement Condition 2 requirement has been met, and can now be considered Complete. This will be reflected in future permit variation with the removal of the condition.

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 only relating to the activity assessment
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 – Emissions to water, air or 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.

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 to 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.