

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

Site	Viridis 178 Swansea Power Plant	Permit Ref	AB3393CP		
Operator/Permit holder	Viridis 178 Ltd				
Regime	Installations				
Date of assessment	13/02/2018	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	Pre-operational Measures				
Lead officer's name	Dunn, Karen				
Accompanied by					
Recipient's name/position	Paul Aujla/ Environment Manager	Date issued	16/04/2018		

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
A1 - Specified by permit	A	
C2 - General Management - Management system and operating procedures	A	
E1 - Emissions - Air	A	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	A	
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	A	

KEY: See Section 5 for breach categories, suspended scores will be indicated as such.
A = Assessed or assessed in part (no evidence of non-compliance), **X** = Action only,
O = Ongoing non-compliance, not scored.

Number of breaches recorded	0	Total compliance score (see section 5 for scoring scheme)	0
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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

Introduction

This Compliance Assessment Report (CAR) form discharges the three pre-operational (PO) measures placed in the environmental permit for the Viridis 178 Ltd installation in Waunarwydd, Swansea. Permit condition 2.4 requires the operator to meet the measures specified in Schedule 1 Table S1.3 prior to operation. This condition has been replicated below for ease of reference:

2.4 Pre-operational conditions

2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

Pre-operational measures specified in schedule 1 table S1.3:

Table S1.3 Pre-operational measures

Reference	Pre-operational measures
PO 1	At least 3 weeks before commissioning, the operator shall submit a written report for approval to Natural Resources Wales that reviews and confirms the measures that will be implemented to achieve an emission limit value for NO _x of 95mg/m ³ . The report shall consider, but not be limited to, the following measures: selection of engine type, enhanced lean burn, engine tuning, lean NO _x traps and non-selective catalytic reduction. The report shall also include an impact assessment of expected carbon monoxide, unburnt hydrocarbon and formaldehyde emissions associated with the chosen method for achieving the NO _x emission limit value.
PO 2	At least 2 months before commencement of commissioning, the operator shall submit a written report to Natural Resources Wales that demonstrates that the operation of the installation has been incorporated into its Environmental Management System

Table S1.3 Pre-operational measures

Reference	Pre-operational measures
PO 3	At least 3 weeks before commissioning, the operator shall submit a written report to Natural Resources Wales for approval that demonstrates that the methods used to sample point source emissions to air are in accordance with the measures set out our document 'Technical Guidance Note (TGN) M1 on sampling requirements for monitoring point source emissions to air'. In line with this document, the operator's report shall consider: <ul style="list-style-type: none"> • the selection of the sampling position; • sampling plane and sampling points; • access, facilities and services required; and • safety considerations.

Pre-operational Condition 1 – PO1

On 21 December 2017 an e-mail submission was sent by Neil Filkin the Operations Director of Viridis 178 Ltd outlining a response to PO1 by the operator. The e-mail also included an attachment: Viridis 178 Ltd 'Periodic Monitoring of Emissions to Atmosphere' a report compiled by Amec Foster Wheeler Environment and Infrastructure UK. Ltd dated April 2017. The emission testing and analysis outlined in the report was undertaken on the same type of engine that will be utilised at the Swansea installation. It was confirmed by NRW in a reply of e-mail that the information submitted satisfied the requirements of the PO1.

Pre-operational Condition 2 – PO2

On 12 February 2018 the operator submitted an updated version of their Environment Management System (EMS) to discharge PO2. Following NRW comment and review on the September 2017 version the updated document entitled 'Environment Management System for Viridis 178 – Alcoa February 2018' was accepted.

Pre-operational Condition 3 – PO3

In the e-mail submission by Neil Filkin on 21 December 2017 the operator outlined the requirements of PO3 NRW has accepted the proposal for sampling which was reviewed by Andy Collins an NRW air quality specialist. For consistency with the Competent Authority in England it was agreed that if the sampling point locations at the lower exhaust end fulfil the Technical Guidance Note (TGN) M1 requirements and are a safer place to monitor from this was acceptable.

Conclusion

Confirmation is given on this CAR form that the operator has discharged all the pre-operational conditions outlined in Table S1.3 of their environmental permit for the Viridis 178 Ltd installation in Swansea.

[End]

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0033210**

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Operator/Permit holder	Viridis 178 Ltd	Date	13/02/2018

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. 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.