

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

Site	Mona Anaerobic Digestion Plant	Permit Ref	AP3033HY		
Operator/Permit holder	4 D AD Services Ltd				
Regime	Installations				
Date of assessment	29/11/2017	Time in	10:00	Out	15:00
Assessment type	Site Inspection				
Parts of the permit assessed	Various				
Lead officer's name	Ross, Stuart				
Accompanied by	Roberts, Anthony				
Recipient's name/position	Adam Archer/ Plant Manager	Date issued	11/12/2017		

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	
B1 - Infrastructure - Engineering for prevention and control of emissions	C3	3.2.1
E2 - Emissions - Land and groundwater	C3	3.1.1
F1 - Amenity - Odour	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	2	Total compliance score (see section 5 for scoring scheme)	8
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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

This Compliance Assessment Report follows a routine site inspection. During the inspection both digesters 1 and 2 were operational and biogas was being consumed by the CHP. Silage was the only feedstock but it is the operator's intention to import and introduce chicken litter to the process in the coming weeks. Phase 2 was not operational.

Very little odour was noticed on site and a down wind assessment outside the permitted boundary did not identify any odour.

1. Silage Clamps - Contamination of Land & Groundwater

With reference to Compliance Assessment Report reference CAR_NRW0032107 dated 23/08/17 and to the subsequent information supplied by 4DAD Services Ltd regarding the presence of leachate contamination within the site surface water drainage system and trial pits, NRW concludes that silage liquor from the silage clamps is causing the unauthorised contamination of land and groundwater in the immediate vicinity of the site.

This is in breach of the following permit conditions;

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2.

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

The breach of permit conditions 3.1.1. and 3.2.1 attracts a non compliance score of 3 (Site Warning).

During the inspection it was confirmed that clamp 3 is nearly empty following the removal of silage to feed the digestion process. A visual inspection within the clamp did not identify any obvious defects on the clamp floor or side walls. The gully pots within the clamp were visible and blocked with silage.

Coincidentally, during the inspection repairs were being completed on surface water collection pipework running parallel to the clamp 3. This followed a CCTV drainage survey 15/11/17 that found defects on the connecting pipework between several gully pots and the main surface water carrier drain whereby leachate was found to be seeping into the drains.. It is possible although unproven that similar defects may exist for the gully pots within the clamps.

4DAD Services Ltd reported that a CCTV survey of the clamp 3 leachate drains was scheduled to be completed w/c 4th December.

ACTION - 4DAD Services Ltd shall provide NRW with a report on the proposed remedial measures (engineered solutions) and associated timescales for completion to prevent the unauthorised release of silage liquor to land and groundwater. The report shall be provided by no later than 12/01/18.

2. Improvement Conditions

The improvement condition timescales commence upon the completion of plant commissioning (phases 1 and 2). Please provide NRW with a proposed definition for the completion of plant commissioning or alternatively a date for agreement.

3. Bio aerosol Monitoring

Monthly bio aerosol monitoring data continues to provide mixed results and it has been difficult to determine the

impact if any of plant operations on bio aerosol concentrations within the local vicinity. This is also complicated by the presence locally of the poultry farm and waste transfer station. As discussed NRW is to review the data provided to date and a meeting will be arranged to discuss the findings to date and the best way forward with regards to the monitoring strategy.

Please ensure monthly reports are submitted to NRW within 28 days of the end of the reporting period as required by condition 4.2.3 and than any downwind exceedances are reported in accordance with condition 4.3.1. Failure to do so will result in non compliance scores. If you wish to discuss reporting requirements please do not hesitate to contact me,

4. Process Wastes

During the inspection the status of final digestate and compost from the facility was discussed. It is understood that these process wastes will be treated as waste (deployed to land under a mobile plant permit) until the relevant PAS certification is achieved.

In the interests of ensuring legal compliance with regards to its subsequent use, NRW recommends that 4DAD Services Ltd assesses the waste status of the ammonium sulphate to be produced by phase 2 and share its findings with NRW.

5. Auxiliary Boiler

As discussed, please note that the addition of an auxiliary boiler to the plant may require a permit variation.

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0032578**

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Operator/Permit holder	4 D AD Services Ltd	Date	29/11/2017

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.

In respect of the above non-compliance you have been issued with a warning. At present we do not intend to take further enforcement action. This does not preclude us from taking additional enforcement action if further relevant information comes to light or offences continue.

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			
E2	C3	Refer Details Section	12/01/2018
B1	C3	Refer Details Section	12/01/2018

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.