

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

Site	Tremorfa Anaerobic Digestion Facility	Permit Ref	AB3093CA		
Operator/Permit holder	Welsh Water Organic Energy (Cardiff) Limited				
Regime	Installations				
Date of assessment	24/06/2019	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	As detailed				
Lead officer's name	Griffiths, Toby				
Accompanied by					
Recipient's name/position	Bleddyn Escott/ Plant Manager	Date issued	24/06/2019		

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
B1 - Infrastructure - Engineering for prevention and control of emissions	X	
	X	
	X	
B5 - Infrastructure - Plant and equipment	C3	3.2.1
E1 - Emissions - Air	C3	3.1.2
F1 - Amenity - Odour	X	
F4 - Amenity - Pests/birds and scavengers	X	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	X	
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	X	
	C4	4.3.4

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	3	Total compliance score (see section 5 for scoring scheme)	8.1
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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

Current Actions following phone meeting of 21st June 2019

1. Responsibilities for the Food AD site and Composting site

It was confirmed that Bleddyn Escott is the contact for both sites. Ian Kemmery has left this role.

2. Reporting queries

Waste reporting queries (food AD site)

Please see attached image. For the annual reporting we would not need the waste inputs, only the outputs. The attached also mentions "received and inbound," which are not correct. This would be the case for both 2017 and 2018.

Action 1: Please correct and submit the reports required above.

3. Flies complaint, (Condition 3.6.1 – Pests)

We discussed the control of flies on site and you had visited yesterday to check on the situation. You reported that there were no operational issues and flies appeared to be under control. You agreed to forward on to NRW the report which you sent to Cardiff Council regarding the report of a fly nuisance. You reported that a power cut had caused the fly control fog unit to stop working around 3 weeks ago. The problem was corrected after a few days. However, it is important to inform NRW of any failure / malfunction of plant (under condition 4.3.1, using the form in Schedule 5 of the permit) which may impact pollution, including nuisance from flies.

Action 2: Please forward the report regarding the control of flies to NRW.

4. Venting of tanks (Condition 3.1.1)

NRW has assessed the potential impact of the previous venting episodes and responded to DCWW via CAR on 16th June. It was disappointing that DCWW were not able to undertake the assessment themselves. For any future venting episodes, DCWW must ensure that the impact and any control measures are considered before venting takes place. The release of gasses can lead to odour and other impacts on air quality and greenhouse gas emissions, therefore this practise should be minimised. NRW requests that activities where venting may be required, is reviewed to look at alternatives with a reduced environmental impact. If venting is unavoidable, the permit may need to be varied to account for this. Please consider applying for a permit variation with NRW if this is the case.

You confirmed that the process is currently functioning correctly, although there is a review of the front-end of the plant to determine whether there is better technology which would improve the removal of bags prior to the AD process.

Action 3: Please advise NRW of the outcome of the front-end process review, including any proposed changes.

Action 4: Please review options to minimise gas venting, including the use of the flare to reduce emissions.

Action 5: If the review in Action 4 indicates that venting is likely to be routine event in future (e.g. for maintenance), please undertake an assessment of impact and contact NRW to discuss a potential permit variation.

5. Odour Management (Condition 3.4.2)

Venting of tanks was not fully considered in the original Odour Management Plan (OMP). We agreed that the OMP would be revised to account for any future venting episodes. It appeared likely that for routine maintenance, some venting is required, therefore it is important that the potential impact, and any mitigation measures, are considered ahead of any planned maintenance.

Action 6: Please review the OMP against the H4 Guidance and include any potential venting episodes in the scenarios considered.

6. Permit review (BREF) and potential waste acceptance change

DCWW confirmed that they are working through the Regulation 61 response. In addition, there is a proposal to accept waste in a different form to the current type. NRW agreed to a meeting to go through any queries.

7. Annual reports 2018

Performance 1, Water Usage¹ received on 27/02/2019

Air 1 (A2 CHP stack emissions)– received on 1/3/2019.

SO₂ – limit exceedance. (Schedule 5 received on 06/03/2019). This is a valid exceedance of the permit limit. As such a **non-compliance (minor)** has been recorded. Please review the issue of the increased emissions of SO₂ and provide feedback to NRW.

Flare (A5) email received on 13/05/2018. Final results have not been received.

Action 7: Please forward the final results of the “A5” flare monitoring

Action 8: Please review the issue of the increased emissions of SO₂ and provide feedback to NRW.

Schedule 5: 14th February 2019. Venting of mixer boxes (small release - accounted for in my previous CAR)

Schedule 5: 25th July 2018, for venting during June 2018. Acknowledged, and required site to review improvements in recent CAR.

Schedule 5: received on 5th March 2018. Frozen line caused release of gas via relief valve. It was noted that lagging had not been fitted which would have prevented the emission. The impact was likely to have been minor (as the recent assessment concluded). In view of this a **minor non-compliance** has been recorded.

Schedule 5 received on 7th December 2018. Tank venting to allow tanks to be accessed for cleaning.

Acknowledged, and DCWW are required site to review improvements as per recent CAR.

8. Annual reports 2017

Permit Condition 4.2.2(a) (Report on performance)

Report received on 29th January 2018. Issues with commissioning are noted. Compliant.

Standard reporting forms: Performance 1, Water Usage 1, Air 1.

Reports received on 27/01/2018. Compliant. Exceedances of SO₂ and VOCs were marginal and determined to be within the measurement uncertainty, and hence not a breach of limit.

Schedule 5: Received on 23/10/2017. Small quantity of vented gas / odour for routine maintenance. This issue was acknowledged at the time. NRW has not recorded a non-compliance for this issue. The need for routine venting of gas is considered in actions above.

9. Change of Company name (Permit Condition 4.3.4)

The company name changed from Kelda, to Welsh Water. Permit variation applications were submitted for both sites, however, there was a significant delay in notifying NRW of the change and the subsequent submission of the applications. In view of this, a **minor non-compliance** has been recorded.

Please respond to the actions by **31st July 2019**

END

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

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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			
G4	X	Action 1: Please submit the reports required above.	31/07/2019
G4	C4	Action 9: Please ensure that the notification arrangements are reviewed to ensure that NRW is informed as required by permit conditions.	31/07/2019
B5	C3	Equipment already improved since the incident.	31/07/2019
E1	C3	Action 8: Please review the issue of the increased emissions of SO ₂ and provide feedback to NRW.	31/07/2019
G1	X	Action 7: Please forward the final results of the “A5” flare monitoring	31/07/2019
F1	X	Action 6: Please review the OMP against the H4 Guidance and include any potential venting episodes in the scenarios considered.	31/07/2019
B1	X	Action 5: If the review in Action 4 indicates that venting is likely to be routine event in future (e.g. for maintenance), please undertake an assessment of impact and contact NRW to discuss a potential permit variation.	31/07/2019
B1	X	Action 4: Please review options to minimise gas venting, including the use of the flare to reduce emissions.	31/07/2019
B1	X	Action 3: Please advise NRW of the outcome of the front-end process review, including any proposed changes.	31/07/2019
F4	X	Action 2: Please forward the report regarding the control of flies to NRW.	31/07/2019

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.