

	EPR Compliance Assessment Report	Report ID: DP3735NP/0256701		
This form will report compliance with your permit as determined by an NRW officer				
Site	Waen AD Plant EPR/DP3735NP		Permit Ref	DP3735NP
Operator/ Permit holder	Biogen Waen Ltd			
Date	31/12/2015	Time in		Out
What parts of the permit were assessed	Routine monitoring returns			
Assessment	Report/data review	EPR Activity:	Installation	X
		Waste Op		Water Discharge
Recipient's name/position	Graeme Outridge			
Officer's name	Stuart Ross	Date issued	02/02/2016	

Section 1 - Compliance Assessment Summary				
This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation and any action you may need to take are given in the "Detailed Assessment of Compliance" (section 3). 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				Condition(s) breached
a) Permitted activities	1. Specified by permit	N		
b) Infrastructure	1. Engineering for prevention & control of pollution	N		
	2. Closure & decommissioning	N		
	3. Site drainage engineering (clean & foul)	N		
	4. Containment of stored materials	N		
	5. Plant and equipment	N		
c) General management	1. Staff competency/ training	N		
	2. Management system & operating procedures	N		
	3. Materials acceptance	N		
	4. Storage handling, labelling, segregation	N		
d) Incident management	1. Site security	N		
	2. Accident, emergency & incident planning	N		
e) Emissions	1. Air	C3	3.1.2	
	2. Land & Groundwater	N		
	3. Surface water	N		
	4. Sewer	N		
	5. Waste	N		
f) Amenity	1. Odour	N		
	2. Noise	N		
	3. Dust/fibres/particulates	N		
	4. Pests, birds & scavengers	N		
	5. Deposits on road	N		
g) Monitoring and records, maintenance and reporting	1. Monitoring of emissions & environment	A		
	2. Records of activity, site diary, journal & events	N		
	3. Maintenance records	N		
	4. Reporting & notification	A		
h) Resource efficiency	1. Efficient use of raw materials	N		
	2. Energy	N		
KEY: C1, C2, C3, C4 = CCS breach category (* suspended scores are marked with an asterisk), A = Assessed (no evidence of non-compliance), N = Not assessed, NA = Not Applicable, O = Ongoing non-compliance – not scored				

Number of breaches recorded	1	Total compliance score (see section 5 for scoring scheme)	4
-----------------------------	---	--	---

If the Total No Breaches is greater than zero, then please see Section 3 for details of 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 (e.g. 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 suspended or consolidated scores.
- details of advice given
- any other areas of concern
- all actions requested
- any examples of good practice.
- a reference to photos taken

This report should be clear, comprehensive, unambiguous and normally completed within 14 days of an assessment.

In this document 'Natural Resources Wales' means the Natural Resources Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) Order 2012.

1. Annual Point Source Emissions to Air Monitoring

A monitoring report for emission point A1 (CHP exhaust) was received with an accompanying Part A notification for a breach of the sulphur dioxide emission limit (result 548mg/m³, limit 350mg/m³).

All other parameters (NO_x, CO & VOC) were compliant with the emission limits when taking the uncertainty budget into account.

The monitoring report is dated 18/12/15 - Part A received within 24hrs of reporting (including information within the Part B section). This ELV exceedance is a breach of permit condition 3.1.2 and attracts a CCS score of 3 (potential for minor environmental impact).

NRW is aware that an automated ferric chloride dosing system is in place to control hydrogen sulphide within the biogas and associated CHP sulphur dioxide emissions along with regular biogas monitoring using colorimetric absorption tubes. However, this is the second year during which emissions have exceeded the ELV.

Biogen report that an investigation is underway to establish the reason for the elevated results and once a corrective action is identified and implemented, a retest of the emissions will be scheduled.

Biogen's Technology team have performed a literature review of the available options for chemical dosing in AD plants and will be conducting trials on ferrous chloride and ferric hydroxide to evaluate their effectiveness of inhibiting H₂S production.

In the meantime, gas quality monitoring will be performed daily and Biogen will increase ferric chloride dosing (where possible) to further reduce H₂S concentrations in the biogas.

A further (amended) Part B notification must be submitted to NRW detailing the root cause of the emission limit breach and action taken to bring emissions into compliance. Operational controls for biogas quality shall be determined by Biogen to ensure hydrogen sulphide concentrations in biogas do not cause a breach of emission limit.

N.B No flare monitoring completed as it operated <10% of operational hours (4.5%).

2. Annual Production / Performance Parameters

Performance data reported for operational hours in 2015 as required.

We note the effectiveness of the site's rain water harvesting system in reducing mains water use (<10%).

	EPR Compliance Assessment Report	Report ID: DP3735NP/0256701	
This form will report compliance with your permit as determined by an NRW officer			
Site	Waen AD Plant EPR/DP3735NP	Permit	DP3735NP
Operator/ Permit	Biogen Waen Ltd	Date	31/12/2015

Section 3- Enforcement Response		Only one of the boxes below should be ticked	
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.			
Other than the provision of advice and guidance, at present we do not intend to take further enforcement action in respect of the non-compliance identified above. This does not preclude us from taking enforcement action if further relevant information comes to light or advice isn't followed.			☐
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.			☒
We will now consider what enforcement action is appropriate and notify you, referencing this form.			☐

Section 4- Action(s)			
Where non-compliance has been detected and an enforcement response has been selected above, this section summarises the steps you need to take to return to compliance and also provides timescales for this to be done.			
Criteria Ref.	CCS Category	Action Required/Advised	Due Date
See Section 1 above			
E1	C3	Refer details section.	N/A

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 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 which 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 fulfill 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 (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 and taking any resulting action
- preventing breaches of environmental law
- assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Information 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 twenty 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 the officer's line managers. 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.