



EPR Compliance Assessment Report

Report ID: MP3337SH/0223195

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

Site	Connah's Quay Power Station EA/EPR/MP3337SH/V004		Permit Ref	MP3337SH	
Operator/ Permit holder	E.ON UK PLC				
Date	03/11/2014		Time in		Out
What parts of the permit were assessed	Routine Monitoring Data & Emissions Control				
Assessment	Report/data review	EPR Activity:	Installation	X	Waste Op
Recipient's name/position	Andy Black		Water Discharge		
Officer's name	Stuart Ross		Date issued	04/11/2014	

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	C3	2.3.5
	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	A	
	2. Land & Groundwater	N	
	3. Surface water	A	
	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. Routine Emissions Monitoring

Thank you for providing your Q2 (Jul - Sept 2014) routine emissions monitoring returns and reports as required by your permit.

a) Emissions to Air

Emission points A1 - A4 & A11 all emissions compliant with permitted limits throughout the period. Periodic measurements completed for A12 on 22/07/14 - emissions are compliant with the permit.

Unit A1- A4 CEMS invalidation logs provided as required - small number of invalidated hours recorded.

b) Emissions to Water

Emission points W1 & W2 – cooling water quality compliant with permitted limits throughout the period.

2. Noise Monitoring

Thankyou for providing your annual BS4142 assessment as required by permit condition 3.4.3.

I have reviewed the report and agree with its recommendation that E.ON should investigate means to mitigate noise emissions from the purge pond cooling tower. I understand that E.ON is currently consulting with its noise specialist to investigate potential remedial measures. Please keep NRW up to date with progress.

3. Purge Pond Discharge Incident

Permit condition 2.3.5 (variation 2) specifies that the discharge from the purge storage pond shall take place in a short time window between 1 and 4 hours after the predicted time of high water.

On 22/07/14 E.ON submitted a Part A notification to Natural Resources Wales reporting that this condition was breached. On 21/07/14 high tide was predicted at 20:07 providing an allowable purge window between 21:07 and 00:07 (22/07/14). However, the actual purge over-ran by approximately 2 hours to 02:05 (22/07/14).

E.ON subsequently investigated the cause of this incident and submitted a Part B notification 16/09/14, providing additional information.

During the discharge the control room operators did not apply a manual shut down but relied on the automatic discharge shutdown process built into the computer management systems to automatically close the purge valve 7 minutes prior to end of the purge window. A flaw in the system failed to initiate closure until manual operator intervention at 02:07. A total of 1,136 tonnes of purge water was discharged during the unauthorised period.

A number of immediate remedial measures have been applied (as detailed in Part B), including modifications of the computer logic systems, new independent alarms that will trigger when the purge is approaching the end of the purge window and when it is approaching a 3 hour run time. Plant operator training packages are to be re-visited to remind operational staff of the need to avoid relying on system alarms as part of 'normal' plant operation.

This incident is a breach of permit condition 2.3.5 (as noted above) and has potential to cause a minor environmental impact. It attracts a CCS score of 3.

The remedial actions detailed in the Part B notification appear appropriate and progress will be assessed during the next routine site inspection.



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Operator/ Permit	E.ON UK PLC	Date	03/11/2014

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.

X

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			
B1	C3	No action specified	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.

