

Compliance Assessment Report

Report ID:
CAR_NRW0033477

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

Site	Pembroke Power Station	Permit Ref	DP3333TA		
Operator/Permit holder	RWE Generation UK plc				
Regime	Installations				
Date of assessment	11/06/2018	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	3.1 Emissions and Monitoring				
Lead officer's name	Dunn, Karen				
Accompanied by					
Recipient's name/position	Ben Williams / Lead Environmental Engineer	Date issued	11/06/2018		

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
E2 - Emissions - Land and groundwater	C4	3.1.1

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	1	Total compliance score (see section 5 for scoring scheme)	0.1
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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

Introduction and Overview

At the construction phase of the Pembroke Power Station a sealed cess pit was utilised for the containment of site sewage which was emptied by road tanker for treatment at a municipal works. The cess pit however was a temporary measure as it was not the most environmentally sustainable option longer term. Therefore, when the power station became operational a small package plant was installed by Alstom to treat site sewage during it's operational life.

In July 2013 RWE was successful in a variation application to include the discharge from the small sewage package plant to the main discharge from the site (W1). An improvement condition was also included in the variation (IC7) which has since been discharged where the operator was tasked with assessing the effectiveness of the sewage treatment plant. The conclusions of this assessment showed that the plant was operating well within the design levels. The final effluent flow from the package plant also constitutes 0.0009% of the total flow discharged from the power station (W1).

Notification – Leak from Treated Sewage Pumping Chamber

On 17 April 2018 the operator notified NRW in line with the conditions of the environmental permit of a potential release of treated sewage from a suspected leak in the on site package plant. The leak at that time was thought to have been from a hole in the concrete ring structure of an underground pumping chamber and treated sewage had gone to ground. This discharge to ground was assessed as not having an environmental impact but was outside of the agreed emissions points in the environmental permit, so an initial notification was made to NRW. The operator first identified a possible issue through a reduction in volume of the treated sewage effluent in the quarterly monitoring in March 2018. This prompted an investigation into the possible cause in the reduction in volume.

The investigation included an examination of the flow measurement equipment and pump to establish if the issue was related to instrumentation. Once it was established that these were in good working order the integrity of the pump chamber was examined. With the chamber being underground the operator contacted their appointed maintenance contractor to undertake an internal inspection.

The operator also brought forward a full service inspection which involved emptying the treated effluent pump chamber. Once emptied the chamber was subject to an inspection and a number of seals between the concrete rings of the chamber were found to have cracked. It is suspected that the cracked seals were responsible for the reduction in volume due to leaking from the treated

effluent chamber. The cracked seals were repaired and further measures to prevent a re-occurrence were taken.

As an extra precaution the level probes within the effluent chamber which trigger the pumps for emptying, were lowered for activation below the seal repair. In monitoring the operation of the pump the operator was able to report on the 17 May 2018 that the package plant was working as designed and no further leaking experienced. As a long-term solution, the operator is also undertaking a feasibility study to assess the lining of the effluent chamber with fibreglass to prevent any further leaks of this nature.

Conclusion

The leak from the pump chamber, of final sewage effluent from the package plant to ground has incurred a breach of the environmental permit. The breach is for a minor category 4 (C4) score in line with NRW Compliance Classification Scheme (CCS) where there is no environmental impact. The discharge was however a non-compliance with permit condition 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, S3.1(a) and S3.2'. NRW is satisfied that the operator notified in line with the permit and took all necessary steps to investigate and identify the root cause in a reduction in the final effluent volume and quickly rectified the problem. It is expected that NRW will seek an update to the feasibility study to fibreglass the pump chamber at the next routine audit which is currently planned for July 2018.

[End]

EPR Compliance Assessment Report

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Operator/Permit holder	RWE Generation UK plc	Date	11/06/2018

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.

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.

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	C4	N/A	18/07/2018

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.