

Compliance Assessment Report

Report ID:
CAR_NRW0031110

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

Site	Newport Ceramic Works EPR/BP3532HX	Permit Ref	BP3532HX			
Operator/Permit holder	Kennametal UK Ltd					
Regime	Installations					
Date of assessment	27/01/2017	Time in	N/A	Out	N/A	
Assessment type	Report/Data Review					
Parts of the permit assessed	4.2 Annual Reports 2016					
Lead officer's name	Green, Rebecca					
Accompanied by						
Recipient's name/position	James Wham/ EHS Analyst	Date issued	15/02/2017			

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 - Infrastructure - Specified by permit	A	
C2 - Infrastructure - Management system and operating procedures	A	
E1 - Infrastructure - Air	A	
E5 - Infrastructure - Waste	A	
G1 - Infrastructure - Monitoring of emissions and environment	A	
G4 - Infrastructure - Reporting and notification to Natural Resources Wales	A	
H1 - Infrastructure - Efficient use of raw materials	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	0	Total compliance score (see section 5 for scoring scheme)	0
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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

Forms Air1, Energy1, Water Usage1 and Performance1 and the annual End of Year Report 2016 were received on 27th January 2017.

All the reports are accepted.

Form Air1, Emissions to Air, 1st Jan to 31st Dec 2016

There were eight breaches of emission limit values in 2016. Limits for particulate matter were breached once at A1, A3 and A7 and three times at A6. The breaches at A6 have been scored as Cat 3 non-compliances, but the scores have been suspended while Kennametal try to solve the problem. The carbon monoxide limit was breached twice at A8, the cause is as yet unknown.

Form Water Usage1, 1st Jan to 31st Dec 2016

Total water use in 2016 was 17% more than in 2015 and water use per tonne of product increased by 18%. This is due to an alteration in the frequency of water changes in the scrubber.

Form Energy 1, Energy Usage, 1st Jan to 31st Dec 2016

Energy use was slightly less than in 2015.

Form Performance 1, Performance Indicators, 1st Jan to 31st Dec 2016

Production and energy use were slightly less than in 2015. Water used and effluent discharged were more than in 2015 (see above).

End of Year Report 2016

3.1 Monitoring Air Emissions

Despite several breaches of emission limit values in 2016, the total measured emissions from all emission points for some substances (per tonne of product) were less than in 2015. Ammonia emissions fell by 37%, NOx emissions by almost 70% and cyanide emissions were less than 1% of those in 2015. Particulate emissions were three times those in 2015, but this is largely due to the problems at A6 and is being addressed. However, emissions of carbon monoxide were 67% higher than in 2015 and sulphur dioxide emissions rose by 15%.

When measured emissions from each emission point are expressed as an average only two emission points breached emission limit values (ELV). These were A6 for particulates and A8 for carbon monoxide. The cause of the breaches at A8 remain unidentified. The one-off breaches of particulate ELVs at A1 and A3 have been addressed by improving maintenance for the abatement equipment.

3.2 Improvement Performance

Savings in energy use have been achieved by process improvements and the use of more recycled material in the product.

Generation of scrap material is more than 50% less than the previous period last year, due mainly to process

improvements and operator training.

Waste generation per tonne of product has reduced by 12%. This is due to several factors, a reduced scrap rate, more recycled material being used in products and increased cycle life for the susceptors. In addition, nine tonnes of waste evaporator boats have been sent for recycling; previously they would have been disposed of as waste.

Raw material usage has reduced by 3%, mainly due to the increased use of recycled material.

3.2.2 Targets for 2017 Financial Year (to June 2017)

Maintain existing performance. Solve the problem of particulate emissions from A6.

Emissions from A6 continue to be a cause for concern, but Natural Resources Wales are confident that Kennametal are committed to solving the problems. There have been a number of difficulties this year which, it is hoped, are resolved and that improvements will continue in 2017.

Kennametal are to be congratulated for their efforts to reuse and recycle material and for the process improvements made in 2016 which now seem to be paying dividends.

END.



EPR Compliance Assessment Report

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Operator/Permit holder	Kennametal UK Ltd	Date	27/01/2017

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.

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			

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.

