

Compliance Assessment Report

Report ID:
CAR_NRW0036283

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	03/02/2020	Time in	N/A
Assessment type	Report/Data Review		
Parts of the permit assessed	4.2.1 Annual Reports 2019		
Lead officer's name	Green, Rebecca		
Accompanied by			
Recipient's name/position	James Wham/ Senior EHS Analyst	Date issued	06/02/2020

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 - Specified by permit	A	
B1 - Infrastructure - Engineering for prevention and control of emissions	A	
C2 - General Management - Management system and operating procedures	A	
E1 - Emissions - Air	A	
E4 - Emissions - Sewer	A	
E5 - Emissions - Waste	A	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	A	
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	A	
H1 - Resource Efficiency - Efficient use of raw materials	A	
H2 - Resource Efficiency - Energy efficiency	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 WaterUsage1 2019; Energy1 2019; Performance1 2019; Air1 1st January to 31st December 2019 and the End of Year Report 2019, were received on 31st January 2020.

All the reports are accepted.

Water Usage 2019

Total use and use per tonne were similar to that in 2018.

Energy Usage 2019

Total use was less than in 2018 and 9% less per tonne than in 2018.

Performance 2019

Production was slightly higher in 2019 than in 2018.

The amount of effluent discharged to sewer was similar to that in 2018, both in terms of m³ per tonne of production and in the total amount discharged.

Water and energy usage are discussed under the relevant heading above.

Air1, Air Emissions 2019

Emissions were measured above the relevant emission limit values (ELV) at three emission points.

Emissions from emission points A7 and A8 were below their respective ELVs.

A1 exceeded the ELV for particulates and ammonia, A3 and A6 exceeded the ELV for particulates. There is a known problem with particulate emissions from A6, consequently scores for non-compliances from A6 are suspended at the moment. The causes of the other breaches are discussed in the Annual Report (see below).

End of Year Report 2019

(Kennametal's financial year (FY) runs from July to June so the data in this report does not necessarily refer to the same period as the forms above).

The high particulate emission from A1 in Q3 was due to damaged socks and the high ammonia emission in Q2 was due to a blockage in one of the afterburner lances. Long term trends for particulates, ammonia and sulphur dioxide show that emissions are reducing, but those for nitrogen oxides, carbon monoxide and cyanide are probably increasing. This may be due to isolated high readings.

There were two high particulate readings from emission point A3, one in Q1 and the other in Q2. On both occasions this was due to damaged HEPA filters. Additional maintenance checks have been put in place to minimise the risk of this happening.

Particulate emissions from A6 are still very high. Kennametal are continuing to explore solutions to the problem, none have been successful to date. They will be running a trial on secondary filtration with the results available by the end of Q2 2020.

Energy efficiency is improving year on (financial) year, mainly due to improvements in manufacturing methods, equipment and maintenance.

The amount of waste produced in FY19 decreased but the amount per tonne of product was similar. The results for the first half of FY20 show a decrease in the total amount of waste produced and a reduction of

10% in the amount of waste produced per tonne of product.

Kennametal use more than 30% of reclaimed material in the final product which results in a significant saving in both materials and energy.

Evaporator boats are also recycled, saving more than 30 tonnes of landfill waste.

Kennametal will roll out the improvements started in FY19 to other processes and equipment and intend to find a solution to the problem of high particulates emissions from A6.

The continuing reduction in energy usage is encouraging.

NRW would like Kennametal to address the problem of high particulate emissions from A6 with a sense of urgency. This problem has been going on for a long time and NRW cannot continue to continue to suspend scores for non-compliances from this emission point for much longer.

END.

EPR Compliance Assessment Report

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Operator/Permit holder	Kennametal UK Ltd	Date	03/02/2020

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.