

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

Site	Padeswood Cement Works	Permit Ref	BL10961B		
Operator/Permit holder	Castle Cement Limited				
Regime	Installations				
Date of assessment	01/07/2019 - 31/12/2019	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	Various				
Lead officer's name	Cubley, Lara				
Accompanied by					
Recipient's name/position	Murat Burakcin/ Plant Manager	Date issued	13/02/2020		

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
C2 - General Management - Management system and operating procedures	C3	1.1.1
	C3	1.1.1
E1 - Emissions - Air	C3	3.1.2
	C3	3.1.2
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	C4	4.2.3

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	5	Total compliance score (see section 5 for scoring scheme)	16.1
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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

This Compliance Assessment Report follows a review of routine monitoring returns and reports for the period 1st July – 31st December 2020 for all permitted emission points to air and water. It also covers a review of annual performance reporting requirements required by Condition 4.2.2 of the Permit.

Emissions to Water (W1)

Emissions for the period October – December 2019 were compliant with the permitted limits during this period and the annual report states that all such emissions were compliant with Permit emission limits. However, the Operator failed to provide monitoring for the period July to September 2019 as required by Condition 4.2.3 table S3.3 of the Permit. **NRW considers this to be a breach of Permit G4 - CCS4.**

ACTION 1: The Operator must submit W1 monitoring requirements for the Period July to September 2019 as soon as possible and no later than 28/02/20.

Emissions to Air

Continuous Monitoring (A1 - A9)

All emissions were within the permitted limits during this period with two exceptions, for which Part A and B notifications were received as required by the permit:

- a. Emission Point A8 (Kiln 4 stack) NO_x (Daily Average Emission limit 450mg/Nm³) 15/08/19 - 478mg/Nm³. **July – September 2019 returns - NRW considers this to be a breach of Condition 3.1.2 (E1 – CCS3).**
- b. Emission Point A8 (Kiln 4 stack) NO_x (Daily Average Emission limit 450mg/Nm³) 28/10/19 - 496mg/Nm³. **October – December 2019 returns - NRW considers this to be a breach of Condition 3.1.2 (E1 – CCS3).**

See Action 5.

The Operator did initially report a breach for NO_x pertaining to the 24/12/19, however, the Operator later confirmed that the emission limit was not exceeded due to some data from kiln start up having been wrongly included in the daily average.

Periodic Monitoring

Emissions Point A8 (Kiln 4) - 1st July - 31st December, all emissions compliant.

Emission Point A5 (Cement Mill 5) - 20/08/19 & 29/10/19, particulate emissions compliant.

NB. For emission point A5, emissions monitoring is quarterly for the first 12 months of operation and 6 monthly thereafter. The Operator is reminded that Improvement Condition 8 will require the Operator to submit a verification report to NRW by the end of March 2020.

Notifications

The following table summarises the notifications for the period July – December 2019, as required by Condition 4.3 of the Permit.

Date	Brief description	Actions/Recommendations
29/08/2019	Raw meal silo L1	Overtopping of Silo L1 during filling due to defective level probes. NRW considers this to be a breach of Condition 1.1.1 (C2 – CCS3) . The Operator has stated in Part B of the notification that a procedure to act as guidance when performing recirculation of raw meal will be created to prevent recurrence. ACTION 2: The Operator must submit this procedure to NRW together with a review of the maintenance and adequacy of the probes as a process control mechanism to prevent overflow of silos by 31/03/20. See Action 5.
05/09/2019	Coal shed	See CAR_NRW0035697
21/09/2019	Kiln outlet/inlet	Cemfuel line blockage and inaccurate measurement of coal feed calibration lead to approximately 500kg escaping the kiln inlet/outlet . NRW considers this to be a breach of Condition 1.1.1 (C2 – CCS3) . The Operator has since undertaken re-calibration of Pfister feeders and changed specification to a higher energy fuel. ACTION 3: The Operator must undertake a review of the maintenance and adequacy of control mechanism to ensure blockages of Cemfuel are minimised and inaccuracy of coal feeders are identified and corrected so as to prevent an incident. The review should identify improvements required and be submitted to NRW by 30/04/20. See Action 5.
23/10/2019	Kiln inlet	See CAR_NRW0035898
15/12/2019	Kiln outlet	100kg (substantial amount confined within kiln burner building). Poor temperature control despite automated fuel feed to calciner. Unable to achieve stability with fan FN08 trip and shut down. The Operator's investigations failed to confirm the cause but suggests that variation in chemical inputs to pre-heater tower could be the cause for which improvements are planned in the second half of 2020. See Action 5.
23/12/2019	Kiln inlet	50kg confined to inlet during start up (approximately 2 minutes). Operating conditions altered to improve situation. The Operator is to keep NRW updated regarding modifications to start-up procedures to minimise the risk of emissions.

ACTION 5:

The Operator must improve root cause analysis to ensure that information provided as required by Part B of Permit notification requirements is sufficient to provide confidence that the measures taken will prevent recurrence of the incident. Failure to do so may result in further Permit breaches. For notification dated 29/08/2019, the Operator should re-submit notification with further information regarding steps to be taken to prevent recurrence.

Other Reports

ARM/WDF & by pass dust waste characterisation reports received as required, apart from ARM/WDF for the Period July – September 2019. **NRW considers this a breach of Condition 4.2.3 (G4 - CCS4)**. **ACTION 1:** The Operator must submit ARM/WDF usage date for the Period July to September 2019 as soon as possible and no later than 28/02/20.

Annual report for 2019 (Condition 4.2.2) received as required with annual performance parameters.

ACTION 4: The Operator must confirm the figures provided for substitute fuels by 28/02/20 as there are discrepancies in the data (page 5 versus page 8 of annual report).

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0036319**

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Site	Padeswood Cement Works	Permit Ref	BL10961B
Operator/Permit holder	Castle Cement Limited	Date	01/07/2019

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.

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.

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			
G4	C4	See Action 1 in report details	28/02/2020
C2	C3	See Action 3 in report details	30/04/2020
C2	C3	See Action 2 in report details	31/03/2020
E1	C3	Oct - Dec 2019 returns - Part A/B received	28/10/2019
E1	C3	July - Sept 2019 Quarterly return - Part a/B received	15/08/2019

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.