

Compliance Assessment Report

Report ID:
CAR_NRW0032521

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

Site	Padeswood Cement Works EPR/BL1096IB	Permit Ref	BL1096IB			
Operator/Permit holder	Castle Cement Limited					
Regime	Installations					
Date of assessment	08/11/2017	Time in	13:00	Out	16:45	
Assessment type	Site Inspection					
Parts of the permit assessed	Various					
Lead officer's name	Ross, Stuart					
Accompanied by						
Recipient's name/position	Robert Keough/ Quality & Environment Manager	Date issued	11/12/2017			

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 - Specified by permit	A	
B4 - Infrastructure - Containment of stored materials	A	
C2 - General Management - Management system and operating procedures	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
-----------------------------	---	--	---

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

1. OMA Water Audit Actions

Further to e-mail correspondence received 10/11/17 (re. e-mail from Robert Keough) I am satisfied (with one exception noted below) that the OMA Water audit actions have been met.

Procedure 'PL-014 Suspended Solids if Water Samples' has been revised following a review of EN872 and several deviations proposed. In the context of the site's limited surface water monitoring requirements NRW considers the procedure to be adequate. However, prior to us reaching any formal agreement under the provisions of permit condition 3.5.1 there are several issues that require attention;

- As the document must be incorporated into the site's EMS please assign a version number and date. I also suggest you take the opportunity to tidy up a few grammatical errors/typos.

- Please either provide a separate procedure relating to the use of certified weights (balance checks) drying oven temperature checks and the 3rd party sample quality control or incorporate these aspects into the monitoring procedure upon resubmission to NRW.

2. Surface Water Drainage Investigation / Pumping Station Discharge

Further to e-mail correspondence received 25/07/17 (re. e-mail from Robert Keough) Castle Cement Ltd report that an inspection of the site's surface water and foul water drainage system was completed by a contractor in July 2017 to assess the options for diverting surface water away from the pumping station.

Various scenarios were reportedly assessed and in summary Castle Cement concluded that the only option to divert surface water was to build a new drainage network capable of handling the surface water from the site main road area to the lagoon and at significant financial cost. Castle Cement proposed that the best option was to ensure the effective operation of the pumping station pumps.

Given the significant surface area of roads and roofs draining to the pumping station in combination with wheel wash effluent and sewage generated by properties at Padeswood Drive NRW is concerned that the pumping station may not be capable of coping with a storm event. Castle Cement has not provided any evidence to demonstrate otherwise.

Any discharge from the pumping station to surface water will not be authorised by NRW and such an event would be a breach of permit / Environmental Permitting Regulations 2016.

Therefore, the existing arrangements may only continue if Castle Cement can demonstrate that the pumping station can handle the volumes of sewage and surface water generated on site without causing an illegal discharge to the environment.

If the pumping station is not adequate, then changes to the site's drainage arrangements will be required. From a sustainability perspective, NRW would prefer to see clean uncontaminated surface water diverted directly to surface water and away from foul sewer.

We recommend that Castle Cements seeks expert advice on this matter and develops a drainage strategy to ensure that surface water runoff is managed sustainably. Changes to the drainage system and site discharges may require permission from NRW and Flintshire County Council.

ACTION - Calculate the maximum predicted volume of influent (sewage, site process water and storm water) received by the pumping station and complete a comparison against the pumping capacity. If the existing pumping station cannot safely contain and pump the calculated effluent to sewer then propose remedial measures with associated timescales for completion. Please provide a written report to NRW by 28th February 2018.

3. Particulate Monitoring (A11 & A12)

It was confirmed that triboelectric devices have been fitted to both emission point A11 and A12 with live device readouts linked to the main control room and bagging plant control room respectively. An exercise has been completed to establish the device output for good filter performance (well maintained filter) and poor filter performance (emulated by temporarily damaging a bag). Thresholds have been set for device output, 0-25%, good operation, >25% High Alarm (requires inspection/intervention) and >75% High High Alarm STOP operation.

It was reported that some further work is planned for A11 to check the alarm thresholds.

ACTION – Provide NRW with a report providing further detail as to how the triboelectric probes have been installed and thresholds determined to establish whether the ELV is likely to be exceeded. Provide a summary of the operational procedures the have been updated to reflect the use of these probes and associated staff training. Pending the receipt of satisfactory information Improvement Condition 2 will be signed off as complete. Please provide this report by 26th January 2018.

4. Use of 24 hr Start up rule

The '24 hr rule' (as set out in my letter of 30/06/17) may be used following kiln start up where (1) the daily ELV has been exceeded during the calendar day as assessed using the available half hourly values and (2) only where no valid half hourly averages have been accrued prior to start up during that calendar day.

5. Priority Hazardous Substances (IC4)

Thank you for your response (received 06/12/17) to my original letter of 09/10/17. I will review your comments further and provide comment if necessary but in the interim I agree with your proposed approach re. additional sample collection and analysis prior to rerunning the screening tests. Please submit your report to NRW by 28th February 2018.

6. Baseline Report - NRW update (IC5)

Apologies for the delay in providing you with further advice on the completion of this improvement condition. I have sought advice from NRW's Geoscience team and will forward comment as soon as possible. Timescales for the completion of IC4 and IC6 will be reviewed accordingly.

7. Fugitive Kiln / Cooler Emissions

- Part A 23/10/17 – Cooler Over pressurisation, please submit the Part B notification for this incident by 12th January 2018.

ACTION - Please provide more information as to the incident 21/10/17 (dust release from the kiln system), including the cause and actions taken to prevent a recurrence. I also require an explanation as to why the emission occurred for approximately 1 hour.

8. Site Inspection

A short site inspection was completed of emission points A11 and A12, Cement Mill 5 construction site and the Cemfuel storage area - no issues noted. I am pleased to note the proposed actions to reduce the accumulation of rain water in the cemfuel storage and processing area (additional cladding, repaired gutters and downspouts etc) which will be beneficial in terms of reducing the environmental and financial costs of off site disposals and ensure bund capacity is better maintained. You must ensure the design of addition cladding etc. does not compromise the effectiveness of the fire suppression system and other safety critical control measures in place.

9. Emission Limit Exceedances (Kiln)

These will be reviewed as part of a review of your quarterly returns and covered by a separate Compliance Assessment Report.

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0032521**

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

Site	Padeswood Cement Works EPR/BL1096IB	Permit Ref	BL1096IB
Operator/Permit holder	Castle Cement Limited	Date	08/11/2017

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.

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.