

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

Site	Hafod Quarry Landfill	Permit Ref	PP3139GB		
Operator/Permit holder	Cory Environmental (Central) Ltd				
Regime	Installations				
Date of assessment	23/03/2016	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	Q4 2015 Monitoring returns conditions 2.9.1, 3.1.2, 3.2.3, 3.3.5				
Lead officer's name	Oakes, Ian				
Accompanied by					
Recipient's name/position	Ian Craven/ Site Manager	Date issued	02/08/2016		

## Section 1 – Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. 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
B1 - Infrastructure - Engineering for prevention and control of emissions	C3	2.9.1
E1 - Emissions - Air	C3	3.3.5
E2 - Emissions - Land and groundwater	C3 - Suspended	3.2.3
E3 - Emissions - Surface water	C4	3.1.2

**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.

<b>Number of breaches recorded</b>	<b>4</b>	<b>Total compliance score</b> (see section 5 for scoring scheme)	<b>8.1</b>
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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

Compliance Q4 (October – December) 2015 – Monitoring data review

a). CCS3 – Engineering to prevent emissions, leachate levels C2.9.1, S4.1

Leachate exceedance (reference HAF 102v10, v11 & v12).

Extraction monthly figures of 1390, 2680 and 2828 m3.

Cell1 - Re-drilled leachate well LMP1a collapsed and was re-drilled in November as MP1b and a pump installed to draw down leachate and on 17 November a level of 3.86 m (versus 2m limit) was recorded. Perched leachate was encountered on drilling and on 24 November the level had increased to 24.44 m (and 24.78 m 21 December). Due to high temperatures > 50 C the extraction pipework kept bursting. This has been replaced with a more resistant pipe and the leachate level should be much improved in January.

Cell 2 – Readings of 3.21, 12.45 and 6.29 m and pumps plagued with foam and sludge blockages. The pneumatic pump is to be replaced with electric pump in January.

Cell 3 – Compliant though an obstruction has made measurement difficult.

b). CCS3 – Emissions to air C3.3.5, S4.5

Various perimeter gas well exceedance (reference HAF 121, 125 & 126) with methane ranging 0 – 25%

versus 1% limit and / or carbon dioxide levels ranging 1 – 15% versus 1.5% limit (not under positive pressure). Subject to actions arising from NRW gas audit 20 & 21 August (reference PP3139GB / 0249675) with 18 new inboard wells being drilled in Q1 2016.

c). CCS3 Suspended – Emissions to land and groundwater C3.2.3, S4.4

Exceedance of groundwater borehole HA 12B (B) chloride levels at 1200, 1000 and 1300 mg/l versus 450 mg/l trigger level (reference HAF 122, 124 & 127). Borehole + 300 m away on the slip road of A483 has historically high chloride levels (ammonia compliant at 0.74, <0.015 & 0.02 mg/l versus 2 mg/l limit). NRW has agreed to proposals to decommission HA 12B (B) in favour of a new well in the north west corner inboard of site drilled 11 November reference HA 12C. This well will have the same monitoring requirements and is discussed in the on-going Hydrogeological Risk Assessment (HRA).

Groundwater borehole HA 9B (M) October ammonia exceedance of 11 versus 4 mg/l returning to <0.015 in November (no associated chloride exceedance, considered to be an anomaly (also included in the HRA determination)).

d). CCS4 Emissions to surface water C3.1.2, S4.3

SW2 surface water discharge marginal exceedance of alkalinity of 350 versus 323 mg/l.

## EPR Compliance Assessment Report

**Report ID:  
CAR\_NRW0000072**

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Operator/Permit holder	Cory Environmental (Central) Ltd	Date	23/03/2016

### 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			
E1	C3	Install and balance 18 new gas wells.	30/06/2016
B1	C3	Monitor progress of new Cell1 leachate well MP1b.	30/06/2016
E2	C3	Monitor performance of new groundwater borehole HA12C.	30/06/2016
E3	C4	No action specified.	31/03/2016

## 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 reports should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty 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](mailto: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.