

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

Site	BROOKHILL LANDFILL SITE			Permit Ref	AP3739KS		
Operator/ Permit holder	Flintshire County Council						
Date	25/06/2014			Time in	09:15	Out	10:15
What parts of the permit were assessed	Leachate treatment, surface water management, transfer activities						
Assessment	Site Inspection	EPR Activity:	Installation	X	Waste Op	Water Discharge	
Recipient's name/position	P Mulhall / H Mitchell						
Officer's name	Alison Soper			Date issued	03/07/2014		

Section 1 - Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation and any action you may need to take are given in the "Detailed Assessment of Compliance" (section 3). 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

Condition(s) breached

a) Permitted activities	1. Specified by permit	A	
b) Infrastructure	1. Engineering for prevention & control of pollution	C3	3.2.3
	2. Closure & decommissioning	N	
	3. Site drainage engineering (clean & foul)	A	
	4. Containment of stored materials	A	
	5. Plant and equipment	A	
c) General management	1. Staff competency/ training	N	
	2. Management system & operating procedures	N	
	3. Materials acceptance	N	
	4. Storage handling, labelling, segregation	N	
d) Incident management	1. Site security	N	
	2. Accident, emergency & incident planning	N	
e) Emissions	1. Air	N	
	2. Land & Groundwater	N	
	3. Surface water	N	
	4. Sewer	N	
	5. Waste	N	
f) Amenity	1. Odour	A	
	2. Noise	A	
	3. Dust/fibres/particulates	A	
	4. Pests, birds & scavengers	C3	2.10.1
	5. Deposits on road	N	
g) Monitoring and records, maintenance and reporting	1. Monitoring of emissions & environment	N	
	2. Records of activity, site diary, journal & events	N	
	3. Maintenance records	N	
	4. Reporting & notification	N	
h) Resource efficiency	1. Efficient use of raw materials	N	
	2. Energy	N	

KEY: C1, C2, C3, C4 = CCS breach category (* suspended scores are marked with an asterisk),

A = Assessed (no evidence of non-compliance), N = Not assessed, NA = Not Applicable, O = Ongoing non-compliance – not scored

Number of breaches recorded

2

Total compliance score
(see section 5 for scoring scheme)

8

If the Total No Breaches is greater than zero, then please see Section 3 for details of 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 (e.g. 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 suspended or consolidated scores.
- details of advice given
- any other areas of concern
- all actions requested
- any examples of good practice.
- a reference to photos taken

This report should be clear, comprehensive, unambiguous and normally completed within 14 days of an assessment.

Breaches of permit conditions:

Condition 2.3.1 Operating Techniques - Connection pipework is extending outside the bunded area for leachate acceptance, giving rise to the potential for spillage onto unprotected ground. The connection to the tanker must be within the bund to contain any spillages.

Condition 2.10.1 Pests - Quite a large number of seagulls were seen around the food storage area during the visit on 18 June. Measures should be put in place to ensure that these birds do not cause a nuisance off site.

Observations:

Flintshire County Council has engaged Cory Environmental to undertake a review of the management of Brookhill Landfill with a view to improving the leachate and gas field management at the site. Improvements in the leachate treatment plant will allow the import and treatment of leachate from Hafod Landfill, and improvements to the gas management will potentially increase the revenue from energy production. Work has already started, overseen by a local Cory manager. Flintshire has not had day to day management on the site recently, and now that the weighbridge is no longer in use the only staff based on site are the transfer station operatives. It is important that activities on the site continue to be managed closely to maintain control of the leachate and gas collection systems and to prevent any off site impact.

Complaints about odour from the site have been received in recent weeks. The cause is likely to have been the green waste stored on the transfer pad, but odour control measures are also needed for the food waste storage area. There was no de-odouriser unit on site at the time of this inspection, this needs to be replaced and used whenever necessary to prevent odours off site.

The food waste storage area will be moved from Brookhill as soon as the permit has been issued for the new site at Alltami. In the mean time a new de-odouriser unit is to be put in place and a kite utilised to try to keep birds away.

Some of the deficiencies identified during the gas field audit in November have been addressed. Repairs have been made to well head works and LC6 has been re-sealed. The overall field performance is being looked at by Cory and additional monitoring points are being installed on the network to check gas quality. Once this review is complete, recommendations will be made to Flintshire CC including whether any new gas wells are needed.

The area on the western flank where gas was detected in November has not yet been investigated for damage to the cap, but is still sparsely vegetated indicating that gas is still leaking from this area. There was no smell of gas here at the time of the inspection.

The leachate treatment plant was not functioning well during the winter and failing to meet its discharge consent for some weeks. Treated volumes were reduced in an attempt to improve its performance; at the same time work was carried out to repair and replace pumps in some of the

wells, but this had a knock on effect of increased leachate head in the wells. The levels in most of the wells have returned to compliance apart from R6 which was measured at over 4m in May. The damaged roof on the treatment tank has not been repaired. An assessment should be made of the likely impact of odour from this, and also whether it is having an impact on the treatment efficiency. If necessary the roof should be repaired or replaced.

Surface water has been pumped to the leachate treatment plant rather than discharged to the watercourse because samples have not been meeting the emission limits. The high levels of suspended solids are likely to be from a sample taken of the silty water at the base of the lagoon which is not representative of water that would be discharged. It would be better to allow the water to build up in the lagoon and test it when it is getting towards needing to overflow rather than pump it to the leachate plant as a matter of course. This would help with the leachate treatment plant management if excess surface water is not added to it. The vegetation growth over the site will mean that there is now very little surface water run off in normal conditions.

It had become difficult to find some of the infrastructure due to the amount of vegetation this year so a small flock of sheep has been brought to site to help keep the grass under control.

The Hydrogeological Risk Assessment review is now due, however NRW is in the process of carrying out a review of groundwater around Brookhill with the aim of gaining a better understanding of the hydrogeological situation. The outcomes are under review and a final report should be signed off within the next few weeks. Our findings will be shared with Flintshire and we would then like to meet and discuss the way forward with leachate management before work on the HRA review begins.

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Section 3- Enforcement Response

Only one of the boxes below should be ticked

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.	X
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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.	
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We will now consider what enforcement action is appropriate and notify you, referencing this form.	
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Section 4- Action(s)

Where non-compliance has been detected and an enforcement response has been selected above, this section summarises the steps you need to take to return to compliance and also provides timescales for this to be done.

Criteria Ref.	CCS Category	Action Required/Advised	Due Date
See Section 1 above			
B1	C3	Ensure all pipework is within the bund for leachate transfers	18/07/14
F4	C3	Ensure appropriate measures are in place to prevent odour nuisance off site	31/07/14

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 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 which 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 fulfill 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 (e.g. 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 and taking any resulting action
- preventing breaches of environmental law
- assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Information 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 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 the officer's line managers. 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.

