



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

Site	Trecatti Landfill NRW/EPR/RP3733PC/V008				Permit Ref	RP3733PC		
Operator/ Permit holder	Biffa Waste Services Ltd							
Date	11/09/2015				Time in	10:30	Out	15:00
What parts of the permit were assessed	LFG and Odour Assessment Audit							
Assessment	Audit	EPR Activity:	Installation	X	Waste Op	Water Discharge		
Recipient's name/position	Mr Simon Milford - Site Manager							
Officer's name	David Griffiths, Ty Ward				Date issued	18/09/2015		

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	N	
	2. Closure & decommissioning	N	
	3. Site drainage engineering (clean & foul)	N	
	4. Containment of stored materials	N	
	5. Plant and equipment	N	
c) General management	1. Staff competency/ training	A	
	2. Management system & operating procedures	A	
	3. Materials acceptance	N	
	4. Storage handling, labelling, segregation	N	
d) Incident management	1. Site security	A	
	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	N	
	2. Noise	N	
	3. Dust/fibres/particulates	N	
	4. Pests, birds & scavengers	N	
	5. Deposits on road	N	
g) Monitoring and records, maintenance and reporting	1. Monitoring of emissions & environment	A	
	2. Records of activity, site diary, journal & events	N	
	3. Maintenance records	N	
	4. Reporting & notification	A	
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	0	Total compliance score (see section 5 for scoring scheme)	0
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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.

Site inspection and review in relation to landfill gas fugitive emissions and odour.

Gas Utilisation Plant

Readings at Gas Utilisation Plant inlet:-

CH₄ % = 47.6

CO₂ % = 35.4

O₂ % = 0.6

Diff mBar = -165

Flow = 2815 m³/hr

H₂S = 180ppm (post treatment)

CO = 10ppm

Three flares on pilot running only. All gas to engines (5 Engines and ORC).

Odour survey

Perimeter odour survey detected slight odour of leachate and LFG downwind of the operational areas. In particular, the yellow leachate holding tank is acting as a main source of odour and should be relocated to another part of site

Gazomat survey

We undertook an inspection of the operational areas in order to establish and investigate sources of fugitive emissions.

LW6 - CH₄ (10.5%vol) - Boot seal to well needs addressing. Further investigation also required in this local area (depression in area where fire was previously).

LW5 - CH₄ (0.2%) - 40 PPM CH₄ detected in ambient air in this area.

By Stampers lagoon - 30 % CH₄ - Tear in liner in this area ambient air (30-40%).

LW7 - CH₄ (0.2%) - Gas emission from boot detail, flanges need investigation (400ppm emission from ground in this area).

LW1 - CH₄ (0.4%) - Gas emission from boot detail.

LW2 - CH₄ (10.5%) - Lots of leachate collecting around, gas emission from boot detail. Gas pipe work in this area needs review (LW1 and LW2).

LW1 Area CH₄ (22.2%) - 20m from LW1 by tyres hole in temporary capping.

300ppm recorded along plastic between non-hazardous waste and asbestos cell

General

Numerous locations holding leachate - This needs to be drained and treated via LTP. Leachate holding tank - moderate strong odours from this tank, Biffa need to address this ASAP.

Overall there were several sources of fugitive emissions and odour on site which taken together are considered to be a significant emission.

Biffa need to address these points including:-

1. Arrange comprehensive survey to further identify and repair holes and tears to the plastic capping,
2. Investigation of all Leachate sumps and extraction wells, with repair of boot details and seals where identified,
3. Investigate and drain 63/90mm gas transmission pipe-work of condensate and water,
4. Improve falls to 63/90mm pipe-work across recently capped areas (where settlement is very uneven)
5. Continue waste placement to ensure good falls,
6. Review positions of the leachate storage tanks, holding areas and pumping arrangements.
7. Provide an update to NRW by Monday 5th October 2015.

NRW are disappointed that so many issues were identified on site during our limited area and time of inspection. Many of the issues are directly linked to proactive gas management and maintenance.

On this occasion we will be giving advice and guidance, if these issues are not addressed and / or we identify similar issues during inspections and audits then numerous Permit non-compliances will be issued.

End of report



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Operator/ Permit	Biffa Waste Services Ltd	Date	11/09/2015

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

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.

We will now consider what enforcement action is appropriate and notify you, referencing this form.

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		Respond to actions in above CAR Form	5/10/15

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.

