

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

Site	Docksway Landfill	Permit Ref	DP3733BK	
Operator/Permit holder	Newport City Council			
Regime	Installations			
Date of assessment	01/12/2016	Time in	10:00	Out 13:00
Assessment type	Check Monitoring/Sampling			
Parts of the permit assessed	Leachate extraction and odour			
Lead officer's name	Willey, David			
Accompanied by	Green, Rebecca, Tony Bruten			
Recipient's name/position	Jonathan Davey/ Landfill manager	Date issued	13/01/2017	

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
E1 - Emissions - Air	C4	3.6.1
E2 - Emissions - Land and groundwater	C4	3.6.1

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	2	Total compliance score (see section 5 for scoring scheme)	0.2
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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

Docksway site visit – 1st December 2016

This Compliance Assessment Form covers the following:

1. Actions from last meeting
2. Site inspection - odour
3. Monitoring returns
4. Waste returns and weighbridge

1. Actions from last meeting

Actions carried forward

ACTION: (Reference location 11) Infinis to provide update plans for leachate wells and gas wells and ensure that the wells are clearly signed.

NRW have been informed that the wells are signed but NRW have not received an updated map with these wells on.

ACTION: (Reference location 19) NCC to demonstrate how gas extraction will be incorporated into the current tipping area as well as ensuring there is good fall from the wells.

ACTION: (Reference location 19) NCC to look into removal or a reduction of the valley feature which may, under certain metrological conditions, act as a confined space. Also recommend that landfill workers who are on the open tipping area are provided with H2S monitors at all times.

ACTION: (Reference location 27) Infinis to investigate and fix the valve leak at Well 21.

ACTION: (Reference location 28) Condensate blockages were found in transmission pipe-work low points for wells the cell 2 east flank; please investigate and improve falls (Infinis)

ACTION: (Reference location 28) Infinis to investigate the health, and provide timelines for completing any works, of gas well Ref. 1607.

Actions from last meeting

ACTION: NCC to inform NRW when significant works commence at site or have been completed. For example capping at the site and waste acceptance of asbestos.

ACTION: NCC to forward PBA's third party engineer details.

ACTION: NCC to confirm the use of this regulation layer with the geotextile manufacturer to ensure suitability. NCC to increase the frequency of visual inspections of the regulation layer to ensure the waste

does not damage the membrane.

ACTION: NCC/Infinis to provide last 6 months Balancing and Compound data for analysis.

ACTION: Please could NCC confirm why TSS was not monitored in round 145 to 150?

ACTION: NCC to supply details of the leachate removed obtained through the log of tankers used to remove the leachate during this period.

ACTION: NCC to provide NRW with an explanation of why these results have differed and what may have led to the varying results.

2. Site inspection

A visit was undertaken with NRW colleagues Rebecca Green and Tony Bruten. The visit was to help identify sources of odour experienced at neighbouring sites. Docksway is still progressing with the capping works that require temporarily allowing landfill gas to emit to atmosphere whilst the work is being completed. Once the capping is in place the landfill gas will be brought under more control as it will be contained and active extraction will pull the gas to the gas engines for combustion.

NRW requested the sites procedure for the GD Drivers that extract the leachate from the site. Docksway informed NRW that GD drivers are inducted for Health & Safety and also receive a copy of the general site rules but the tanker driver's carry out their own procedures for extracting from the leachate wells.

ACTION: NCC to review the leachate extraction points in line with the design requirements of LFTGN 02 and the document How to comply with your environmental permit; Additional guidance for Landfill (EPR 5.02).

As part of the site inspection NRW were shown the improvements made to the storage of the AdBlue that has been moved to an area where there is sealed drainage. Following on from the previous site visit the no smoking on site has been reiterated to staff with additional no smoking signs put up around the site.

The capping of the south facing flank has progressed well with the west facing flank and temporary capping to be undertaken in early 2017.

Photo 1: Profiling along south facing flank



3. Monitoring returns

This CAR form confirms the receipt of the following monitoring returns:

Surface water

Round 151 – BOD is SW24 has dropped down to more typical levels following two recent higher results as well as ammonical nitrogen levelling out following two previous high and low results. During round 151 monitoring for SW11 has been submitted, the first time since round 139 in September 2015.

ACTION: Please can you confirm whether this location is only monitored annually in line with the closure plan?

ACTION: Please could NCC confirm why TSS was not monitored in round 151.

Groundwater

Round 151 – The quarterly groundwater results had exceedances for Nickel at GW07_40 of 15.1ug/l against the compliance level of 10ug/l. In addition there was an exceedance for Ammonical Nitrogen of 37.2mg/l against the compliance limit of 35mg/l.

For hazardous pollutants benzene was recorded as exceeding the compliance limit of 1ug/l at GW09/31 and GW09_32 of 1.16 and 1.12 respectively.

ACTION: NRW and NCC to ensure the monitoring requirements of the new permits parameters are understood with associated compliance levels.

As part of the annual screen dichlobenil and malathion were identified as being detected during the monitoring suite. Dichlobenil was detected at GW03/09 with a value of 0.014ug/l and malathion was detected at GW06/34 with a value of 0.029ug/l exceeding the MRV of 0.001ug/l.

Breach of condition 3.6.1 and Minimum Reporting Value found in the technical Annex to Annex (j) – HRA for Landfills and the derivation of Groundwater Control Levels and Compliance Limits. **Considered a Category 4 breach of the permit.**

Gas monitoring

Round 150 – There were exceedances at GP09_18 of 2.7% as well as a high exceedance of GP03_06 of 67.2%.

Round 151 – Exceedance's at GP09_18 continued with a higher result of 18.7%. GP09_18 dropped back into compliance. GP05_20 shows a high increase and breach of the trigger level. Although there is no trigger level for GP06_24 the levels have dropped from above 60% to 0.2%. This will be kept under review for the next round of monitoring.

Breaches of condition 3.6.1 and the associated limits in table S3.4 of the methane and carbon dioxide limits. **Considered to be a category 4 breach of the permit.**

Leachate

No leachate level monitoring was carried out in round 151 and has not been undertaken since March 2016

due to access problems.

ACTION: NCC to inform NRW for the ongoing reasons for not monitoring the leachate wells and to justify why access has not been gained to carry out the monitoring.

Leachate removed from site has also been supplied for round 151 as well as for rounds 146 to 150.

The annual leachate screen was also submitted with nine parameters identified as exceeding the detection limits.

4. Waste returns and weighbridge

As part of the visit NRW met with Stuart Price who is responsible for submitting the waste returns. NRW confirmed with Stuart the requirement to submit two returns - one for the amenity site and one for the landfill site.

The permit number for the amenity site is EPR/NP3199FM (previously EAWML/30058) and for the landfill site the permit number is EPR/DP3733BK. The landfill waste return would therefore only have the waste that is sent up onto the landfill for final disposal – including the waste collected at the amenity site.

R1 waste codes

With regard to the waste going to Trident Park, the site has R1 status and has demonstrated that they can qualify as a recovery operation using the R1 Energy Efficiency formula in Annex II of the Waste Framework Directive 2008/98/EC. As long as Trident Park has R1 status then R1 (Use principally as a fuel or other means to generate electricity) should be used in the waste return.

Waste carriers

NRW provided NCC with a link to the Waste Carriers website where members of the public can check if an organisation are a waste carrier, broker or dealer.

<https://www.wastecarriersregistration.naturalresourceswales.gov.uk/en/registrations/search>

Waste returns

Waste returns for July to September 2016 have been received.

END



EPR Compliance Assessment Report

Report ID:
CAR_NRW0026901

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Site	Docksway Landfill	Permit Ref	DP3733BK
Operator/Permit holder	Newport City Council	Date	01/12/2016

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.

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	C4	No action	28/02/2017
E2	C4	No action	28/02/2017

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. 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.

