

Compliance Assessment Report

Report ID:
CAR_NRW0031389

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

Site	CWMRHYDYCEIRW QUARRY LANDFILL	Permit Ref	TP3835LV		
Operator/Permit holder	SI Green UK Limited				
Regime	Installations				
Date of assessment	17/03/2017 - 20/03/2017	Time in	N/A	Out	N/A
Assessment type	Report/Data Review				
Parts of the permit assessed	4.2.1 Annual reporting				
Lead officer's name	Thomas, Ffion				
Accompanied by					
Recipient's name/position	Guy Titman/ MJCA consultant	Date issued	20/03/2017		

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
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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
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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

This Compliance Assessment Report (CAR) form has been completed following the review of the Cwmrhydyceirw landfill "combined dataset 2016" annual report and performance review as per condition 4.2.1 of the permit.

The report was submitted as email to NRW on the 7th March 2017 (as per agreed submission timeframe) the condition is subdivided into 9 areas a-i and a response has been provided under each heading.

It is noted that the action assigned in the previous year's CAR form to reference the variation EPR/TB3835LV/V003 has been included and a summary review of the monitoring.

I confirm the landfill is non-operational and has not yet been constructed. Emissions monitoring is being undertake at the site (there is a historic landfill deposit of waste at the site)

4.2.1 (a) The summary review of the emissions data confirmed no compliance issues related to emissions monitoring.

Ground water discharge: A schedule 6 notification related to groundwater discharge was submitted but no compliance breaches recorded as per the review of concentrations for 2 previous samples and 3 point rolling average concentrations for comparison with emission limits. (As per the action pan) the discharge of groundwater to the Cwmrhydyceirw stream continued throughout 2016.

Leachate, Groundwater and surface water quality monitoring: It is noted that the general concentrations remain consistent with the previous 2015 data.

Leachate: there is a continued decline in chloride concentrations, falling now to concentrations an order of magnitude greater than the groundwater and surface water at the site. Ammonical nitrogen concentrations remain 2 orders of magnitude greater. The leachate quality concentrations do not exceed the control levels set in the HRA (there are no compliance levels within the permit)

Groundwater: a "spike" appears to have been recorded of ammonical nitrogen at borehole

CWMGW07A in September and December 2015 and June 2016.

It is noted that in general the ammonical nitrogen and chloride concentrations in the groundwater and surface water sump (hydraulically down gradient of the landfill) are higher than those in the groundwater at the site.

Groundwater and Leachate levels: Both Groundwater and leachate levels were found to remain compliant and consistent with previous recorded levels at site.

Landfill gas: Monitoring on site is undertaken (as per the GMP) at 29 boreholes external to the waste on a monthly basis. No methane concentrations above 1%vol were recorded in any of the boreholes during 2016.

The submission received also reported on permit condition 4.2.1 items b) to i)

It is again recognised that the site is non-operational.

Item 4.2.1 (b) There are no improvement targets set at the site.

4.2.1 (c) The energy usage at the site recorded 33.246KWh (333.246MWh) similar usage to 2015 which saw 28,356KWh (28.356MWh)

4.2.1 (d)- Leachate discharged was 1.110m³ (an increase on 2015 and 2014) it is understood SI Green increased the rate of leachate removal from site from November 2015 onwards. There are no emission rate limits to sewer for leachate.

No groundwater or surface water was discharged to sewer during 2016 period. The volume of groundwater and surface water discharged to the Cwmrhydyceiriw stream was 154,783m³ (there is no discharge rate limit)

4.2.1(e) No contamination or decontamination occurred during 2016.

4.2.1 (f) as the landfill is non-operational no additional topographical surveys have been undertaken to those previously done.

4.2.1(g) The landfill is non-operational, no waste has been deposited hence no volumetric difference reported.

4.2.1(h) No waste deposited no assessment of settlement.

4.2.1 (i) No waste deposited. The void available remains as that approved in the permit variation V002, giving an available void of 8000,000m³

Overall the site remains to be compliant with the emissions limits set within the permit and variation. The site remains non-operational. The operators are request to keep NRW informed of any future development plans for the site.

END.

EPR Compliance Assessment Report

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Operator/Permit holder	SI Green UK Limited	Date	17/03/2017

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.