

## Compliance Assessment Report CAR\_NRW0042868

**Permit being assessed:** PP3139GB.

**For:** Hafod Quarry Landfill Site, **held by:** Enovert North Limited

**At:** Hafod Quarry Landfill Bangor Road, Johnstown, Wrexham, LL14 6ET.

**Type of assessment:** Report/Data Review,

**Reason:** Routine.

**On:** 24/11/2023.

**Parts of permit assessed:** Hafod Quarry Landfill Cell 5B validation report .

**NRW Lead Officer:** Jamie Blythin.

**Report sent to:** Ian Craven, Regional Manager, on 01/12/2023.

### 1. Summary of our findings (full details in section 4)

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
IR2G - Operations - Landfill engineering (only applicable to landfill)	Action only (X)	

Result types are explained in more detail in the 'Important Information' section below.

Total non-compliances recorded	Total non-compliance score
0	0

How we use the non-compliance score to calculate your annual fee is explained in the 'Important Information' section below.

### 2. What action is required?

Criteria	Action needed	Complete by
IR2G	Action 1- Ensure quality assurance staff are present to record the construction works around the leachate sump and provide photographs of the completed works to NRW so that the construction of Cell 5B is fully documented.	26/02/2024

Compliance criteria codes are listed in the 'Important information' section below.

### 3. What will happen next?

Any non-compliance we have identified and recorded on this form is an offence. It can result in criminal prosecution and/or suspension or revocation of your permit.

**At this time, we do not intend to take any further action.**

This statement does not stop us from taking additional enforcement action if further relevant information comes to light or offences continue.

**4. Details of our assessment**

Natural Resources Wales (NRW) has reviewed the Construction Quality Assurance (CQA) validation report for Cell 5B (30575-Hafod Quarry LFS Cell 5B Validation Report) which was submitted 21/10/23.

The CQA validation report submitted on 21/10/23 was initially comprised of a single report with a note that 2 incomplete actions 1) concrete works around the leachate chamber and subsequent placement of stone around this chamber 2) Outstanding test results for draining stone thickness, would be addressed in further submissions. The Operator was advised that the outstanding test results for drainage stone thickness was so fundamental that it warranted the submission and review of the additional information before a full assessment of the CQA validation report could be made. The Operator provided the outstanding test results for the stone thickness so the full scope of the validation data is now acceptable.

Hafod Landfill Site has been incrementally developed using an approach submitted during the Permit Application. Since the first cell was built, the approach and the performance of site won materials (from which the landfill is constructed) has been consistent; a large body of evidence on material behaviour has developed. Cell 5B is similar to previous basal cell lining works other than its size is unusually small. The design is a little different to previous cells in that side-slope gradients have been adjusted, but these matters have been covered in the review of the CQA Plan. The cell has been built over a formation that has been drained by the provision of an underdrainage layer and counterfort drains, once again the normal engineering approach at Hafod.

The lining system comprises the established 1m thickness of compacted site won mineral liner placed over formation, except on the northern side-slope where it overlies a 1m thick Artificial Engineered Geological Barrier (AEGB), again fabricated from site won low permeability mineral. It is noted that conditioning has been required for the mineral layer but this has allowed the liner to meet the specification window. The CQA procedures agreed in the approved CQA Plan have been followed with sufficient tests being taken. An examination of the test results show that the liner meets the requirements in all respects and in-fact exceeds the required performance significantly, particularly with regard to permeability. The leachate collection and drainage system has been built as planned and the supplementary data received from the Operator demonstrates that the blanket thickness meets the requirements of the design.

Having reviewed the CQA validation report and subsequent submissions, NRW are satisfied that Cell 5B can be brought into use. In relation to the deferral of the construction work around the leachate sump, the Operator proposes that it will be easier to access from the initial waste layer. NRW agrees with this approach but requests that the following action is completed.

Action 1- Ensure quality assurance staff are present to record the construction works

around the leachate sump and provide photographs of the completed works to NRW so that the construction of Cell 5B is fully documented- Due 26/02/24

If you have any queries about this report, or to discuss completion of any actions, please contact the NRW Officer named above.

## Important information

### Legal status of this report

Your permit is issued to you under the Environmental Permitting Regulations. You have a responsibility to comply with the conditions of your permit and prevent pollution/harm of the environment. You must also ensure that you comply with any other relevant legislation that may apply to your site's operations.

This report explains the findings of our assessment and any action you are required to take. We categorise non-compliance using our guidance for assessing non-compliance at regulated sites.

When we find potential non-compliance/s we will normally give you advice on how to maintain compliance.

To correct non-compliance, we may:

- require you to take specific actions
- issue a notice
- review the conditions of your permit.

Any advice and guidance we give will be without prejudice to any other enforcement response that we consider may be required.

### Assessment results and non-compliance categories (used in section 1):

Assessment result	Description
Assessed (A)	Assessed or assessed in part, no evidence of non-compliance found
Action only (X)	Action only relating to the activity assessment
Ongoing (O)	Ongoing non-compliance, not scored

Non-compliance category	Description	Score
C1 Major	Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property	60
C2 Significant	Potential to have a significant impact or effect on the environment, people and/or property	31
C3 Minor	Potential to have a minor or minimal impact or effect on the environment, people and/or property	4
C4 No environmental impact	Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property	0.1

### How we use assessment scores

The number and severity of non-compliances recorded in a year will affect your annual subsistence fee the following year. A non-compliance factor is added to your site's Operator

Performance Risk Appraisal (OPRA) score when we calculate your fee to reflect the additional resource we use to assess permit compliance.

**If your assessment result in Section 1 is suspended, what does this mean?**

In line with our guidance, we may suspend scores for up to six months to allow time for remedial action to be taken. Suspended scores will be re-instated if the action is not completed.

**Full list of Industry compliance criteria** (used in section 1 and 2):

**1. Management**

- IR1A – General management
- IR1B – Finance (only applicable to Landfill)
- IR1C – Energy efficiency
- IR1D - Efficient use of raw materials
- IR1E - Avoidance, recovery and disposal of wastes produced by the activities
- IR1F - Multiple operator installations

**2. Operations**

- IR2A – Permitted activities
- IR2B – The site
- IR2C – Operating techniques
- IR2D – Technical requirements
- IR2E – Improvement programme
- IR2F – Pre-operational conditions
- IR2G – Landfill engineering (only applicable to Landfill)
- IR2H – Waste acceptance (only applicable to Landfill)
- IR2I – Leachate levels (only applicable to Landfill)
- IR2J – Closure and aftercare (only applicable to Landfill)
- IR2K – Landfill gas management (only applicable to Landfill)

**3. Emission and Monitoring**

- IR3A – Emissions to water, air or land
- IR3B – Emissions of substances not controlled by emission limits
- IR3C – Odour
- IR3D – Noise and vibration
- IR3E – Monitoring
- IR3F – Pests
- IR3G – Air quality management plans
- IR3H – Monitoring for the purposes of the Industrial Emissions Directive (this heading includes Large Combustion Plants)
- IR3I – Fire

**4. Information**

- IR4A – Records
- IR4B – Reporting
- IR4C – Notification

**Enforcement response**

Any non-compliance with a permit condition is an offence and we may take legal action against you. Action we take can include prosecution, serving a notice on you and/or

suspension or revocation of your permit. See our Enforcement and Sanctions Guidance for further information.

### **Data protection notice**

You should make sure that anyone named in this report knows that the information it contains will be processed by Natural Resources Wales to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s).

We may also use and/or disclose the report in connection with:

- offering or providing you with our literature or 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
- assessing customer service satisfaction and improving our service
- Freedom of Information Act or Environmental Information Regulations requests.

We may also pass it on to our agents or representatives to do these things on our behalf.

### **Disclosure of information – this report will be available to view on-line**

If you think this report contains commercially confidential information that should not be placed on our public register, you must contact your local Natural Resources Wales office within **fifteen working days** of receiving this report, using the contact details in the accompanying email or letter. You must give a full explanation of why it should not be added to our public register, including specifying which information is commercially confidential. We will assess your request and respond to you within twenty working days to let you know if we agree to your request.

### **What do I do if I disagree with the report or have a complaint?**

If you disagree with this compliance assessment report, you should contact the lead officer without delay to discuss your concerns.

If you are unable to resolve the issue with the lead officer or their line manager you should contact our Customer Contact team on 0300 065 3000 (Monday to Friday 08:00 to 18:00), or email [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk) for details of how to raise your dispute further through our Complaints and Commendations procedure.

If you are dissatisfied with our response, you can contact the Public Services Ombudsman for Wales by phone on 0300 7900203 or by email at [ask@ombudsman.wales](mailto:ask@ombudsman.wales)

### **Welsh Language Standards**

We are committed to establishing Natural Resources Wales as a naturally bilingual organisation. We will provide compliance reports in your preferred language.