

Compliance Assessment Report CAR_NRW0049032

Permit being assessed: GP3030BE.

For: Shotton Works Landfill Site No 1 , **held by:** Tata Steel UK Limited

At: Shotton Works Weighbridge Road , Deeside Industrial Park, Clwyd, CH5 2NH.

Type of assessment: Report/Data Review,

Reason: Routine.

On: 16/07/2025 - 07/08/2025.

Parts of permit assessed: See below.

NRW Lead Officer: Victoria Taylor.

Report sent to: Senior Energy and Environment Officer QSHE, Senior Energy and Environment Officer QSHE, on 07/08/2025.

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

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
IR2I - Installations - Operations - Leachate levels (only applicable to landfill)	Assessed (A)	
IR3A(1) - Installations - Emissions and monitoring - Emissions to water	Assessed (A)	
IR3A(2) - Installations - Emissions and monitoring - Emissions to air	Assessed (A)	
IR3E - Installations - Emissions and monitoring - Monitoring	Assessed (A)	
IR4A - Installations - Information - Records	Assessed (A)	
IR4B - Installations - Information - Reporting	Assessed (A)	

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?

No action required.

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

Q2 2025 (April – June) monitoring results were submitted to NRW on 16 July 2025 in accordance with Condition 4.2.3.

Q2 Monitoring Returns

S3.1 Leachate Levels (Condition 3.1.2) (permitted limit 1m above base of cell).

The Operator has provided data for monitoring wells L4 to L6 and “well”. The reported leachate levels are below the permitted limit.

S3.2 Groundwater Monitoring Data.

The current permit has set limits for Ammoniacal Nitrogen (NH₃) 224mg/l, Zinc (Zn) 3.42mg/l and Nickel (Ni) 1.75mg/l. The limits are set for BH1, BH2, BH11, BH12 and BH13. There are no recorded breaches.

Quarterly groundwater samples from BH1, BH2, BH8—BH15 were also analysed for the required suite of parameters stated in the permit. Concentration limits for parameters in samples recovered from these monitoring points are not set in the permit. The analysis does however report some concentrations higher than would be expected in such samples. The reason for this cannot be ascertained at this stage given that this is the first set of sample results provided since the issue of the latest permit.

Recommendation 1. It is recommended that the operator reviews and /or revisits the guidance (see link below), as outlined in the permit, to ensure that sampling and monitoring procedures are not influencing the results presented. [Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water](#)

The permit has set a permitted limit of 1% v/v for Methane (CH₄) in BH1, BH2, BH8-BH10. There are no recorded breaches.

Note: The landfill gas reporting form, submitted by the operator for the monitoring period 01/01/2025 to 31/03/2025, states a compliance limit of 1.5% v/v for carbon dioxide. Table S3.3 of the permit does not specify a limit for carbon dioxide; **the reference to the 1.5% compliance limit should be removed from the template prior to future submissions.**

S3.4 Landfill Gas – In-Waste Monitoring Wells

In-waste monitoring of parameters for monitoring wells BH11 to BH14, C0, C1 and C2 have

been undertaken in accordance with the permit.

S3.5 Landfill Gas Emissions – Capped Surfaces

Required annually.

S3.6 Leachate – Other Monitoring Requirements

Leachate analysis as specified in the permit is required six-monthly. For the purpose of the 2025 returns and given that the permit was issued 21 February 2025, NRW would expect to see these results in the Q3 returns. **Leachate analysis for subsequent years should be provided six-monthly as required by the permit.**

The required annual List 1 hazardous substances leachate analysis should be provided in the Q4 returns at the latest.

Waste Received Q1.

Waste Received into landfill was 19.02 tonnes of Inert Construction Waste. No waste removed.

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 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

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.