

Compliance Assessment Report CAR_NRW0046373

Permit being assessed: BU8819IV.

For: Pwllfawatkin Landfill Site EPR/BU8819IV, **held by:** FCC Waste Services (UK) Limited

At: Pwllfawatkin Landfill Site , Pontardawe, SWANSEA, West Glamorgan, SA8 4RX.

Type of assessment: Report/Data Review,

Reason: Routine.

On: 31/12/2024.

Parts of permit assessed: Permit conditions 3.1.1, 3.5.1, 3.5.3, 4.2.2.

NRW Lead Officer: Benjamin Taylor.

Report sent to: Operations Manager, FCC Environment, on 19/02/2025.

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

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
IR3A(2) - Installations - Emissions and monitoring - Emissions to air	Assessed (A)	
IR3E - Installations - Emissions and monitoring - Monitoring	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

Introduction

This Compliance Assessment Report (CAR) is regarding the assessment of the annual submission for Pwllfawtkin Landfill, which was provided by FCC Environment (the Operator) to cover the 2024 calendar year period.

Scope

The following documents have been submitted by the Operator to facilitate the generation of this Compliance Assessment Report (CAR):

- Pwllfawtkin Annual Monitoring Report 2024.
- Pwllfawtkin Annual Performance Review 2024.
 - Annual Improvement Targets.
 - Energy and Water Consumption.
 - Annual Production and Treatment.
 - Topographical Survey (Drawing No. 479A493 Plan 2).
 - Volumetric Difference.
 - Settlement Monitoring Plan (Drawing No. 479A473 Plan 04B).
 - Remaining Capacity
 - Monitoring Plan (Drawing No. 479M408 Plan 4).
- Annual Emissions Monitoring Data.
- Pwllfawtkin Trace Gas 2024.

2024 Annual Submission

The *Pwllfawtkin Annual Monitoring Report*, which is pertinent to permit condition 4.2.2a was submitted by the operator on the 20th of January 2025. NRW have not compliance assessed this report in its entirety.

In addition, the Operator submitted their surface emissions survey report to NRW on the 20th of January 2025 in accordance with permit condition 3.5.1d. This survey was undertaken by a third-party contractor (Enital on behalf of FCC Environment) using a flame ionisation detector (FID) in June and August 2024. The Operator reported six elevated (>1000ppm for a feature or >100ppm for a surface emission) Hydrocarbon (HC) concentrations (ppm) which are illustrated below:

Zone	Reference	HC Concentration in ppm	Comments
Z1	P2206	1,000	Bentonite cracked(pin well)
Z1	P2305	2,000	Bentonite cracked(pin well)
Z1	P2308	10,000	Bentonite cracked(pin well)
Z1	P2309	2,000	Bentonite cracked(pin well)
Z1	W1702	2,000	Bentonite cracked

Table 1: Pwllfawtkin FID Survey - Elevated HC Concentrations (ppm)

The *Pwllfawtkin Annual Monitoring Report 2024* outlined that an additional FID survey; designed to validate remediation works was undertaken in December 2024. The results of this validation survey indicated that the remediation works were successful with no elevated readings detected.

The *Pwllfawtkin Landfill Site Annual Performance Report Jan 23 – Dec 23* was submitted by the Operator on the 20th of January 2025, which was within the timeframe (by the 31st of January 2025) specified by permit condition 4.2.2. The submitted document included information that fulfilled requirements outlined by permit conditions 4.2.2b to 4.2.2h.

The Operator submitted monitoring data regarding emissions testing from the Flare and Gas Utilisation Engine 3 located within the gas compound, which was completed on the 25th of March 2024. It has been noted that the average recorded results were all below the permitted emission value and thus **compliant** with permit condition 3.1.1.

Trace gas analysis is an annual requirement (*Schedule 3: Table S3.8*) and was monitored in accordance with permit condition 3.5.1d.

Please note: This CAR report and assessment was undertaken on 19th of February 2025. However to ensure that the non-compliance score is attributed to the correct financial year (for billing) the date on CARS system has been altered to 31st of December 2024.

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.