

Compliance Assessment Report CAR_NRW0046683

Permit being assessed: AB3092CV.

For: Parc Adfer Energy Recovery Facility, **held by:** Enfinium Parc Adfer Operations Ltd

At: Weighbridge Road, Deeside Industrial Park, Deeside, Flintshire, CH5 2GY.

Type of assessment: Report/Data Review,

Reason: Routine.

On: 25/04/2025 - 08/05/2025.

Parts of permit assessed: See Section 4 (below).

NRW Lead Officer: Victoria Taylor.

Report sent to: Plant Manager, Plant Manager, on 07/01/2026.

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 | C3 Minor | Condition 3.2.1 |
| IR3E - Installations - Emissions and monitoring - Monitoring | Assessed (A) | |
| IR4A - Installations - Information - Records | Assessed (A) | |
| IR4B - Installations - Information - Reporting | Assessed (A) | |
| IR4C - Installations - Information - Notification | Assessed (A) | |

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

| Total non-compliances recorded | Total non-compliance score |
|--------------------------------|----------------------------|
| 1 | 4 |

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 |
|----------|---|-------------|
| IR3A(2) | Investigate root cause of breach (see Action 1) | 01/08/2025 |

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.

You are non-compliant with your permit.

At this time, we are issuing you with a warning for the non-compliance recorded above. Warnings may influence future enforcement response for continued or further non-compliance.

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

This Compliance Assessment Report (CAR) has been generated by Natural Resources Wales (NRW) to comment upon Q1 Monitoring Returns.

Q1 Monitoring Returns.

Q1 2025 (January – March) monitoring results were submitted to NRW on 25 April 2025 in accordance with Condition 4.2.3.

Emission Point A1.

Continuous air emissions monitoring (CEMS) was undertaken in accordance with Condition 3.2.

No Half Hourly or Daily Average Environmental Limit Values (ELVs) for Hydrogen Chloride, Ammonia, Oxides of Nitrogen, Sulphur Dioxide, Nitrous Oxide and Particulates were exceeded during Q1.

The half-hourly average Total Organic Carbon (TOC) exceeded the ELV on 27 March 2025. **This is a breach of Condition 3.2.1 and has been scored C3.**

Emissions to air (Emission Point A1) for Carbon Monoxide show no 10 minute (ELV 95th percentile) or Daily Average ELV exceedances in accordance with Condition 3.2.1.

Daily averages were not available due to the plant being off line on the following dates:

- 7 – 8 January 2025 – Blockage at discharger
- 8 – 11 January 2025 – “HTS” header cracked
- 25 January 2025 – Isolator fault
- 21 – 26 February 2025 – Ash discharger blockage and damage to grate
- 28 February 2025 – Blocked dischargers
- 21 – 26 March 2025 – Boiler tube leak
- 27 – 28 March 2025 – Blocked dischargers

Residues.

Residues Bottom Ash and Air Pollution Control residues sampling was undertaken in accordance with Condition 3.6.1. Bottom Ash composition for Q1 remained below the 3% TOC limit at 1.4% in accordance with Table S3.4 of the Permit.

Plant operating hours year to date; 1,793 hours were recorded with no periods of abnormal operations.

Waste Returns.

Waste returns have been provided for Q1 as follows:

- Waste Received Q1 – 46,856 tonnes.
- Waste Removed Q1 – 13,886 tonnes.

Schedule 5 Notifications.

Two schedule 5 Notifications were submitted by the Operator during Q1, as follows:

- A Part A Schedule 5 Notification was received on 22 March 2025 relating to a first pass boiler tube failure causing increased pressure within the combustion chamber resulting in expansion flaps opening intermittently. This resulted in an unauthorised release of high pressure steam and flue gas at 16:07 on 21 March 2025. A Part B was submitted on 21 March 2025 confirming the above fault. The boiler tube was replaced and the boiler came back on line at 19:53 on 26 March 2025. No further actions are required following the Operators internal investigation.
- A Part A Schedule 5 Notification was received on 28 March 2025 relating to the breach of ELV for TOC (as described above). In order to minimise the release, the Auxiliary burner was started to aid with combustion, the primary, secondary and tertiary air increased and the plant was put into a controlled shutdown. An internal investigation is ongoing and the Operator has confirmed that a Part B will be submitted in due course.

Actions

1. Provide findings of investigation of TOC breach and the associated mitigation (Part B) to NRW by 1 August 2025.

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.