

Compliance Assessment Report CAR_NRW0040981

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 2LL.

Type of assessment carried out: Report/Data Review, Reason: Routine.

On 30/12/2022.

Parts of permit assessed: SEE NOTES (Section 4)

NRW Lead Officer: Victoria Griffin.

Report sent to: Jamie Williams, SHEQ Manager on 13/02/2023.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
E1 - Emissions - Air	Assessed (A)	
E5 - Emissions - Waste	Assessed (A)	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	Assessed (A)	
G2 - Monitoring and Records, Maintenance and Reporting - Records of activity, site diary/journal/events	Assessed (A)	
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	Assessed (A)	
H1 - Resource Efficiency - Efficient use of raw materials	Assessed (A)	
H2 - Resource Efficiency - Energy efficiency	Assessed (A)	

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

Total number of 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

This Compliance Assessment Report (CAR) has been generated by Natural Resources Wales (NRW) Regulating Officer to comment upon the Annual Report and Q4 Monitoring Returns.

1. Q4 Monitoring Returns

Q4 2022 (October - December) monitoring results were submitted to NRW on 24/01/23 in accordance with Condition 4.2.3.

1.1 Air Emissions - Emission Point A1

Continuous air emissions monitoring (CEMS) was undertaken in accordance with Condition 3.6.1.

- Emissions to air for Hydrogen Chloride (HCl) (mg/Nm³), Ammonia (NH₃)(mg/Nm³), Total Organic Carbon (TOC) (mg/Nm³), Oxides of Nitrogen (N₂O and NO_x) (mg/Nm³), Sulphur Dioxide (SO₂) (mg/Nm³), and Particulates shows no Half Hourly nor Daily Average ELV exceedances during Q4 in accordance with Condition 3.1.2.
- Emissions to air for Carbon Monoxide (CO) (mg/Nm³) shows no 10 minute (ELV 95th percentile) nor Daily Average ELV exceedances during Q4 in accordance with Condition 3.1.2.

1.2 Waste Returns

Waste returns were received in accordance with Condition 4.2.5

- Waste Received - Overall tonnage for Q4 - 53,841 tonnes
- Waste Removed - Overall tonnage for Q4 - 12,135 tonnes

1.3 Residues

Incinerator Bottom Ash (IBA) and Air Pollution Control (APC) residues sampling was undertaken in October 2022 in accordance with Condition 3.6.1. Bottom Ash composition for Q4 remained below the 3% TOC limit in accordance with Condition 3.1.

1.4 Performance

Operating hours are recorded as 7938 for the year to date to the end of Q4, with no periods of abnormal operations.

The operator notified NRW of unplanned shut downs associated with an ID fan failure, a transformer fuse failure, activation of a safety system and a boiler tube failure, during Q4 for the following dates:

- 21 October 2022
- 19 - 22 November 2022
- 27 & 28 November 2022

- 27 - 31 December 2022

2. Annual Report

The Annual Report was submitted to NRW via email on 24/01/2023 as required by Permit Condition 4.2.2.

2.1 Performance

7958 Operating hours were recorded between 01/01/2022 and 31/12/2022 with no abnormal operations recorded.

The facility annual maintenance outage was completed between the 11 June and 25 June 2022.

2.2 Residues

All IBA generated in 2022 was transported to a suitably permitted receiving and processing facility. APC residues were transported to a waste recovery operation facility.

2.3 Water and Other Raw Materials Usage

Annual water and raw material usage is reported in accordance with Condition 4.2.2 and shows no significant increases.

2.4 Waste Returns

Annual waste data reported in accordance with Condition 4.2 shows no significant increases.

- Waste Received - Overall tonnage for the year - 198,187 tonnes
- Waste Removed - Overall tonnage for the year - 47,845 tonnes

2.5 Emissions to Water

No specific events to report following weekly monitoring. All discharges free of any visible solids, oils or greases.

2.6 Annual Energy Usage and Efficiency

Annual energy usage reported in accordance with Condition 4.2, shows no significant increases.

Indicative R1 Calculation states 0.67, based on 86% Boiler efficiency +/- 1.5%, which meets the minimum criteria for R1 status.

2.7 Air Emissions

Continuously monitored pollutants were 100% compliant with ELVs for Half Hourly and Daily Averages.

Stack emissions monitoring and testing was undertaken during Q2 and Q3 in accordance with Condition 3.6.1. All results were below the ELVs.

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.

What are suspended scores?

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 and Waste action criteria (used in section 1 and 2):**A: Permitted activities**

- A1 Specified by permit

B: Infrastructure

- B1 Infrastructure – Engineering for prevention and control of emissions
- B2 Infrastructure – Closure and decommissioning
- B3 Infrastructure – Site drainage engineering (clean and foul)
- B4 Infrastructure – Containment of stored materials
- B5 Infrastructure – Plant and equipment

C: General management

- C1 General management – Staff competency/training
- C2 General management – Management system and operating procedures
- C3 General management – Materials acceptance
- C4 General management – Storage, handling, labelling and segregation

D: Incident management

- D1 Incident management – Site security
- D2 Incident management – Accidents, emergency and incident planning

E: Emissions

- E1 Emissions – Air
- E2 Emissions – Land and groundwater
- E3 Emissions – Surface water
- E4 Emissions – Sewer
- E5 Emissions – Waste

F: Amenity

- F1 Amenity – Odour
- F2 Amenity – Noise
- F3 Amenity – Dust/fibres/particulates and litter
- F4 Amenity – Pests/birds and scavengers
- F5 Amenity – Deposits on road

G: Monitoring and records, maintenance and reporting

- G1 Monitoring and records, maintenance and reporting – Monitoring of emissions and environment
- G2 Monitoring and records, maintenance and reporting – Records of activity, site diary/journal/events
- G3 Monitoring and records, maintenance and reporting – Maintenance records
- G4 Monitoring and records, maintenance and reporting – Reporting and notification to Natural Resources Wales

H: Resources efficiency

- H1 Resource efficiency – Efficient use of raw materials
- H2 Resource efficiency – Energy efficiency

Enforcement response

Any permit condition non-compliance 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 20 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 – 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.