

Compliance Assessment Report CAR_NRW0037526

Permit being assessed: AB3092CV.

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

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

Type of assessment carried out: Site Inspection, Reason: Routine.

On 08/12/2020 between 09:00 and 11:00.

Parts of permit assessed: Emissions and abatement, improvement conditions 1 - 5, permit variations, plant control and site familiarisation plus Annual Performance Report

NRW Lead Officer: Berwyn Williams, accompanied by Ian Oakes.

Report sent to: Alan Rhodes, SHEQ Manager on 10/02/2021.

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)	

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 follows a routine inspection of the site undertaken on 08 December 2020 by Regulatory Officers Ian Oakes Senior Specialist and Berwyn Williams.

1. General Operations

The plant was operational during the visit and is subject to Natural Resources Wales (NRW)

Environmental Permit EPR/AB3092CV/v002. Since this inspection and as of 18/01/2021 the plant is now operating with Environmental Permit EPR/AB3092CV/v003.

The site receives domestic waste from North Wales and other semi / light industrial waste from premises such as shops, schools, rejected recycling. The plant is currently operating at the 200,000 tonnes per annum rate and subject to contract with Flintshire County Council.

The site visit complied in full with the Covid-19 restrictions as they applied at the time.

2. Improvement Conditions

Improvement Conditions 1, 2, 3 & 4 are considered to be completed.

Improvement Condition 5 is now also considered complete with respect to acceptance of attached certification for ISO 14001 – 2015 for the Parc Adfer EfW facility and are also now accredited to ISO 9001 and 45001 since 3rd February 2021-2024.

Improvement Condition 6 is due within 18 months of commissioning, the initial calibration report was received by NRW on 20 March 2020. Therefore should be submitted Quarter 2 of 2021.

3. Permit Variations

The Operator has had approval for a minor technical permit variation from NRW. The variation is to change the monitoring of the incinerator carbon monoxide emissions from a ½ hourly average with an Emission Limit Value of 100 mg/Nm³ to a 10-minute average with an Emission Limit Value of 150 mg/Nm³. Either limit and associated averaging period is allowed under the Industrial Emissions Directive Chapter IV and Annex VI, Part 3, Paragraph 1.5. and Part 8 Paragraph 1.1 (d) (i)

This variation also included a correction to an error in the previous version of the permit on table S2.2. The maximum quantity is corrected from 200,00 to 200,000 tonnes per annum.

4. Site familiarisation / inspection

NRW officers spent time in the control room discussing CO and plant control in general and were shown around the plant and site. All areas were well maintained and no deficiencies were identified.

5. Emissions to air

Carbon Monoxide (CO) Breaches

On 31st December 2020 there was a minor half hourly breach (short duration 'spikes') of CO recorded by the Continuous Emissions Monitors (CEMS). This peaked at 117.77 mg/Nm³. The half hourly Emissions Limit Value (ELV) for the facility is 100mg/Nm³. All daily averages have been compliant with the ELV of 50mg/Nm³.

On 7th January 2021, Parc Adfer facility went off line having shut down for repairs to a boiler tube. They took the opportunity to catch up on other minor tasks that required the plant to be offline at the same time. They went back online on 10th January at 09:00hrs.

On 14th January there was a minor half hourly breach (short duration 'spikes') of CO recorded by the Continuous Emissions Monitors (CEMS). This peaked at 207.43 mg/Nm³ between 11.30-11.59 hours. The half hourly Emissions Limit Value (ELV) for the facility is 100mg/Nm³. All daily averages have been compliant with the ELV of 50mg/Nm³.

These would have been deemed as minor exceedances breaches of Condition 3.1.2 'The limits given in Schedule 3 shall not be exceeded' and given a CCS4 score; however at the time of the

breaches the permit variation relating to CO emissions was submitted and being determined but not signed off until 18th January 2021. The variation would vary the emission limit and reference period for CO in Table S3.1 from 100mg/m³ as half hourly average to 150mg/m³ as a 10-minute average in line with the Industrial Emissions Directive Annex VI, Part 3. This variation was with the Permitting Team for determination. The above breaches on both 31st December and 14th January 2021, would not have exceeded the new varied 10-minute average, therefore we will not score the breach on this occasion if they were solely reporting on this limit as a 95th percentile.

As per the action stated in the previous CAR form (CAR_NRW0037148) - *Action: Prior to determination 'without prejudice' all CO breaches shall be reported against the existing ELV and the proposed 10-minute average ELV for comparison purposes. Capability to be in place by 31 December 2020.*

6. Performance Review

Following the Annual Performance report submitted on 25th January 2021, there are no discrepancies and it correlates with the reporting carried out by the operator to NRW during the year.

R1 is acknowledged as being 0.70 from the Energy usage/export table within the Operational Data (Section 3)

The outstanding Improvement Condition (IC6) requires the organisation to submit a summary report to NRW confirming the results of calibration and verification testing for the Continuous Emission Monitors. The QAL1 and QAL2 processes have been completed and evidence of such tests are held on record. QAL3 tests are completed weekly on both the duty and standby units. A full summary report detailing the performance of the Continuous Emissions Monitoring Systems will be submitted to NRW during quarter 2 of 2021.

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.