

Compliance Assessment Report CAR_NRW0040168

Permit being assessed: WP3836ZF.

For: Wrexham Clinical Waste Treatment Facility (Incinerator), held by Tradebe Healthcare National Limited

At: Wrexham Clinical Waste Treatment Facility (Incinerator) Marlborough Road , Wrexham Industrial Estate, WREXHAM, Clwyd, LL13 9RJ.

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

On 25/07/2022.

Parts of permit assessed: Q2 monitoring returns

NRW Lead Officer: Rebecca Harwood.

Report sent to: Alan Rhodes / Peter Stunden, SHEQ Lead / Site Manager on 07/10/2022.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
E1 - Emissions - Air	C3 Minor	2.2.1.3
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	Action only (X)	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	Assessed (A)	
E1 - Emissions - Air	C3 Minor	2.2.1.3

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

Total number of non-compliances recorded	Total non-compliance score
9	36

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
E1	see text below	24/10/2022
E1	see text below	24/10/2022

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E1	see text below	24/10/2022
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E1	see text below	24/10/2022
E1	see text below	24/10/2022
E1	see text below	24/10/2022
E1	see text below	24/10/2022
G4	see text below	24/10/2022
E1	see text below	24/10/2022

Action 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.

We are currently considering taking enforcement action against you for the non-compliance recorded above. We will contact you in due course.

4. Details of our assessment

This Compliance Assessment Report follows a review of Quarter 2 2022 (April - June 2022) CEMS data, biannual air emissions monitoring and residues monitoring.

1. Q2 CEMS monitoring

Monitoring data was received monthly from the Operator. Condition 2.2.1.3 requires that emissions to air will not exceed levels set out in Table 2.2.2. Having reviewed the data submitted, the following ELV breaches have been identified for Q2.

Particulate matter - exceedances of both the ½ hour average ELV of 30mg/m³ and the daily average ELV of 10mg/m³ have been identified. **These have been scored a category 3 breach of Condition 2.2.1.3.**

Sulphur dioxide - exceedances of the ½ hour average ELV of 200mg/m³ have been identified. **These have been scored a category 3 breach of Condition 2.2.1.3.** There were no breaches of the daily average ELV of 50mg/m³.

VOC - exceedances of the ½ hour average ELV of 20mg/m³ have been identified. **These have been scored a category 3 breach of Condition 2.2.1.3.** There were no breaches of the daily average ELV of 10mg/m³.

Hydrogen Chloride - exceedances of both the ½ hour average ELV of 60mg/m³ and the daily average ELV of 10mg/m³ have been identified. **These have been scored a category 3 breach of Condition 2.2.1.3.**

Carbon monoxide - an exceedance of both the 10 min average ELV of 150mg/m³ and the

daily average ELV of 30mg/m³ have been identified. **These have been scored a category 3 breach of Condition 2.2.1.3.**

There were no breaches of NOX above the daily average ELV of 400mg/m³.

Exceedances across the quarter have been consolidated per parameter.

Action 1: Schedule 5 Part B notifications have not been received for exceedances on 18, 19 and 20 June. These should either be submitted once completed or if not completed an update provided to NRW by 24 October 2022.

Action 2: As per previous CARs the Operator shall provide NRW with a thorough investigation into the root cause of these emission exceedances, including a review of the abatement system performance and its maintenance. Conclusions relating to previous exceedances have not yet been received. Please provide NRW with an update by 24 October 2022.

Two Schedule 5 Part C Abnormal Operation notifications were received during the quarter. The first was submitted on 16 May 2022 and relates to the lime dosing pipe becoming disconnected - Action 4 in CAR NRW_0039929 relates to this. The second was submitted on 27 June 2022 and references problems with the lime dosing system. Further information was requested on 25 July 2022 relating to this but has not been supplied.

Action 3: Provide further information confirming what the problem was with the lime dosing system, what remedial action was taken and what systems have been put in place, if appropriate, to prevent a reoccurrence. A response is required by 24 October 2022.

2. Biannual Air Emissions Monitoring

Condition 2.2.1.3 requires that emissions to air will not exceed levels set out in Table 2.2.2. Bi-annual monitoring from emission point A1 was undertaken during May 2022.

Additional dioxin testing was undertaken in June. The Operator reported that the test house had a problem with the dioxin samples which were taken during the May testing.

Concentrations of heavy metals above the ELV were detected during the routine monitoring. A concentration of 0.98mg/m³ was recorded above the ELV of 0.5mg/m³. **This has been scored a category 3 breach of Condition 2.2.1.3.** The Operator stated that the contributing metals were Copper, Nickel and Chromium. Monitoring was repeated in July and the concentrations were below the ELV.

Action 4: Repeat monitoring (completed).

Action 5: Provide NRW with an update into the investigation as to the source of the metals and any actions undertaken following the investigation. Further non compliances may be applicable on review of the investigation.

3. Bottom Ash & APC residues

Data was submitted in accordance with Condition 4.1.2.4.

Bottom Ash TOC sampling was undertaken in accordance with Conditions 2.2.8.1 and 2.6.6. Ash composition for all quarters remained below the 3% TOC limit.

Bottom Ash and APC Residues sampling was undertaken in accordance with Conditions 2.10.4.

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.