

## Compliance Assessment Report CAR\_NRW0040046

**Permit being assessed:** DP3137EG.

For: Margam Green Energy Plant, held by Margam Green Energy Ltd

At: Land off Longlands Lane, Margam, Port Talbot, Neath Port Talbot, SA13 2NR.

**Type of assessment carried out:** Check Monitoring/Sampling, Reason: Routine.  
On 22/06/2022.

Parts of permit assessed: Please see details

**NRW Lead Officer:** Ieuan Davies.

**Report sent to:** Paul Fitzsimmons, General Manager (MGEL) on 22/06/2022.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	Assessed (A)	
G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales	Assessed (A)	
E1 - Emissions - Air	C3 Minor	3.1.2 The CO limits given in schedule 3 shall not be exceeded.
E1 - Emissions - Air	C3 Minor	3.1.2 The TOC limits given in schedule 3 shall not be exceeded.

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

Total number of non-compliances recorded	Total non-compliance score
2	8

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	Discussion to be held with Western Power to determine if any upgrades to the network can be achieved, representing resilience to inclement meteorological conditions and thus ensuring compliance with emission limits.	30/09/2022
E1	Discussion to be held with Western Power to determine if any upgrades to the network can be achieved, representing resilience to inclement meteorological conditions and thus	30/09/2022

Criteria	Action needed	Complete by
	ensuring compliance with emission limits.	

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.

**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

#### Introductions

This is a review of Margam Green Energy Limited (known hereafter as The Operator) Schedule 5 submissions for Quarter 1 2022.

#### Background on Permit Requirements

Condition 3.5.1 of the Operators permit states:

*The Operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in Schedule 3 to this permit:*

*a. Point source emissions specified in tables S3.1, S3.2 and S3.3.*

Table S3.1 of Schedule 3 to the environmental permit is partially reproduced below.

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 (65m Stack – shown on site plan in Schedule 7)	CO	Cleaned exhaust gases from combustion furnace	150 mg/m <sup>3</sup>	½-hr average	Continuous measurement	BS EN 14181
A1 (65m Stack – shown on site plan in	TOC	Cleaned exhaust gases from	30 mg/m <sup>3</sup>	½-hr average	Continuous measurement	BS EN 14181

Schedule 7)		combustion furnace				
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*Schedule 3 – Emissions and monitoring* above details Emission Limit Values (ELVs) monitored via Continuous measurement (CEMS). To maintain compliance with the Operators environmental permit (DP3137EG) the ELVs specified above shall not be exceeded as stated in condition 3.1.2 - *the limits given in Schedule 3 shall not be exceeded.*

In accordance with the Operators environmental permit, Natural Resources Wales (NRW) must be notified of all permit breaches as per the following condition/s:

*4.3.1 The Operator shall,*

- a. In the event of a breach of any permit condition the operator must immediately –*
  - i. Inform Natural Resources Wales, and*
  - ii. Take the measures necessary to ensure that compliance is restored within the shortest possible time;*

*4.3.2 Any information provided under condition 4.3.1(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.*

Schedule 5 submissions

The Operator submitted Schedule 5 form on the 22<sup>nd</sup> February 2022 for the breaches of CO & TOC Half hourly average ELV. The Operator stated the two breaches for both parameters (single incident) experienced in Q1 was due to an offsite fault with the Western Power 132kV network and as such the half hourly breaches were concurrent from 18:59-19:59 on the 20<sup>th</sup> February 2022.

As per Compliance Classification Scheme (CCS) the CO breaches will be consolidated per quarter. A CCS score of 3 has been attributed to the CO failures covering the Quarter 1 reporting period.

As per Compliance Classification Scheme (CCS) the TOC breaches will be consolidated per quarter. A CCS score of 3 has been attributed to the TOC failures covering the Quarter 1 reporting period.

Discussion

The cause of the TOC & CO ELV half hourly breaches have been attributed to an offsite fault with the 132kV Western Power network during a storm event and subsequent exceptionally high winds causing a network trip meaning the Margam Green Energy Plant needing to enter Island mode. The Operator stabilised and adjusted plant parameters to return emissions to normal level following the Western Power network failure. The Operator stated that repairs were completed by WPD on Friday the 25th of February, and WPD have informed the site that the issue has now been resolved. The root cause of this breach was due to external factors outside of the Operators control, however, as mentioned by the Operator, a discussion should be held with Western Power to determine if any upgrades to the network can be achieved, representing resilience to inclement meteorological

conditions and thus ensuring compliance with emission limits.

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](mailto: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](mailto: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.