

Compliance Assessment Report CAR_NRW0050845

Permit being assessed: KP3135KV.

For: The Royal Mint, **held by:** The Royal Mint Limited

At: Llantrisant, Pontyclun, Rhondda Cynon Taf, CF72 8YT.

Type of assessment: Report/Data Review,

Reason: Routine.

On: 25/02/2026.

Parts of permit assessed: Monitoring.

NRW Lead Officer: Greg Gardner.

Report sent to: SHE Manager, SHE Manager, on 27/02/2026.

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	Action only (X)	
IR3A(1) - Installations - Emissions and monitoring - Emissions to water	Assessed (A)	
IR3A(3) - Installations - Emissions and monitoring - Emissions to land	Assessed (A)	

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

Total 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?

Criteria	Action needed	Complete by
IR3A(2)	Investigate the approach to the particulate matter limit at emission point A33 and identify any existing or planned mitigation measures to ensure that future emissions remain below the permitted limit. In addition, provide an update on the current and proposed mitigation measures for emission point A32, in continuation of the corrective actions required	03/04/2026

Criteria	Action needed	Complete by
	following the particulate matter exceedances recorded under CAR_NRW0049254.	

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.

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 report details the annual emissions monitoring at The Royal Mint, permit reference number EPR/KP3135KV.

As part of the sites environmental permit, under section 4.2 (reporting), the site must submit periodic reports detailing emissions from site. It compares results from the Annual Environmental Report for 2025 against the sites permit limits.

EMISSIONS TO AIR

Air emission limits apply to emission points A32, A33, and A34. Monitoring data for 2025 confirms full compliance at A33 and A34; however, three exceedances of the particulate matter limit were recorded at emission point A32. These non-conformances have already been captured within CAR_NRW0049254, and the operator has been issued actions requiring further investigation and resolution. Mitigation measures are ongoing, and all exceedances were formally reported to Natural Resources Wales via Schedule 5 notifications.

It is also noted that stack A33 is considered compliant, taking account of the reported measurement uncertainty, despite the highest recorded concentration of 5.1 mg/m³ being marginally above the permit limit of 5 mg/m³.

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Monitoring frequency	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A32	Particulate Matter	5mg/m ³	Averaged over the sampling period (at least half an hour)	Annual	19.5 mg/m ³	BS EN 13284-1	17/11/2025 12:34 – 13:34	0.81mg/m ³
A32	Hydrogen Bromide	No limit set	None set	Annual	<0.036 mg/m ³	Based on US EPA M26 26A	30/07/2025 11:33 – 12:05	0.0040 mg/m ³
A33	Particulate Matter	5mg/m ³	Averaged over the sampling period (at least half an hour)	Annual	5.1 mg/m ³	BS EN 13284-1	08/04/2025 14:36 – 15:36	0.55 mg/m ³
A33	Acetic acid	No limit set	None set	Annual	<0.13 mg/m ³	PD CEN TS 13649	08/04/2025 14:34 – 15:34	0.028 mg/m ³
A33	Hydrogen chloride	No limit set	None set	Annual	0.84 mg/m ³	EN 1911	08/04/2025 14:36 – 15:36	0.070 mg/m ³
A34	Particulate Matter	5mg/m ³	Averaged over the sampling period (at least half an hour)	Annual	0.67 mg/m ³	BS EN 13284-1	09/04/2025 16:26 – 17:27	0.31 mg/m ³
A34	Brominated flame retardants	No limit set	None set	Annual	0.0014 mg/m ³	EN 1948	09/04/2025 10:20 – 16:22	0.00020 mg/m ³

ACTION: Investigate the approach to the particulate matter limit at emission point A33 and identify any existing or planned mitigation measures to ensure that future emissions remain below the permitted limit. In addition, provide an update on the current and proposed mitigation measures for emission point A32, in continuation of the corrective actions required following the particulate matter exceedances recorded under CAR_NRW0049254. Deadline - 03/04/26

EMISSIONS TO WATER - DISCHARGES

All monitored values for suspended solids, temperature and free chlorine remained within permitted limits in 2025. During 2025, the total volume of water discharged via emission point W1 was 12 m³, compared with 28,254 m³ in 2024.

Parameter	Limit	Result Range (2025)
Suspended solids	50 mg/l	1.5 – 7.6 mg/l
Temperature	30 ⁰ C	8.7 – 13.7 ⁰ C
Free Chlorine	0.1 mg/l	0.06 – 0.1 mg/l

EMISSIONS TO WATER - SEWER

All monitored parameters (free cyanide, copper, pH) remained fully compliant with the permit conditions. During 2025, the volume of effluent discharged via emission point S1 reduced significantly to 3,989 m³, compared to 27,264 m³ in 2024.

Emission Point	Source	Parameter	Limit	Result Range (2025)
SI	Site effluent treatment plant	Free cyanide	0.2 mg/l	0.050 mg/l across all samples
SI	Site effluent treatment plant	Copper and its compounds	1.0 mg/l	0.0008 – 0.478 mg/l
SI	Site effluent treatment plant	pH	Minimum 6 Maximum 11	8.9 – 9.2

WATER ABSTRACTION

Total site water use during 2025 was 110,831.8 m³, compared to 447,143 m³ in 2024, reflecting the substantial reduction in circulating coin production. Total mains water abstraction during 2025 was 109,895 m³, down from 151,775 m³ in 2024. The Royal Mint holds abstraction licence WA/057/0031/002, which permits the abstraction of up to 657,000 m³ per year from the River Ely. In 2025, a total of 936.80 m³ of river water was abstracted, compared to 295,368 m³ in 2024. Abstraction volumes were well within the licensed annual limit.

OTHER ENVIRONMENTAL PARAMETERS

Total energy consumption during 2025 was 12,089,003 kWh, compared to 20,151,922 kWh in 2024. This reduction reflects the shutdown and decommissioning of the majority of energy-intensive plant associated with circulating coin production. Total raw material consumption during 2025 was 816.23 tonnes, representing a significant reduction compared to 5,674 tonnes in 2024. During 2025, the site generated approximately 2,194 tonnes of waste, compared with 4,852.4 tonnes in 2024.

Energy Source	Energy Usage Quantity (Kwh)	Primary Energy (MWh)	Specific Usage (MWh/tonne)
Electricity *	10,310,637 (Total Energy Use)	24,725.53 (for total energy)	22.19
	738,467 (Wind Turbines and Solar Generated Energy)	22973.21 (for energy generated by grid and site CHP plant)	20.60
Natural Gas	1,778,366	1778.37	1.59
TOTAL	12,089,003	26523.89	23.79

Parameter	Value	Units
Total raw material used	816.23	tonnes
Water abstraction from river	936.80	m ³ /year
Total final product tonnage	1,115	tonnes
CO _{2e} / tonne of circulating coin. (Consumed Energy from grid supplied and CHP sources) *	1454.43	Kg CO _{2e} / tonne
Consumed primary energy/tonne of circulating coin (Consumed Primary Energy from grid supplied and CHP sources*)	20,603.77	kwh/Tonne
Total waste / tonne of circulating coin.	1.97	Tonne of waste / tonne

In this document 'Natural Resources Wales' means the Natural Resource Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) Order 2012

END.

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 required for the permit condition assessed to avoid non-compliance. No non-compliance scored at this time
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(1) – Emissions to water
- IR3A(2) – Emissions to air
- IR3A(3) – Emissions to 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.

Disputing the Content of this Compliance Assessment Report Form

If you disagree with the content of this Compliance Assessment Report form, you should submit your concerns, in writing, to the regulating officer who issued it within **15 working days** of its issue. This will be treated as a **Stage 1 review**.

If you are not satisfied with the outcome of the stage 1 review, you may request a **Stage 2 appeal**. This request must be submitted **within 21 working days** of receiving the response from the stage 1 review.

Further details on our review and appeal process are available at: [Natural Resources Wales / Appeal a regulatory decision from Natural Resources Wales](#)

Concerns Not Related to the Content of this Compliance Assessment Report Form

If your concerns do not relate to the content of the Compliance Assessment Report form, you should first attempt to resolve the issue with the regulating officer or their line manager.

If the issue remains unresolved, please contact our **Customer Contact Team**:

- **Telephone:** 0300 065 3000 (Monday to Friday, 09:00–17:00)
- **Email:** enquiries@naturalresourceswales.gov.uk

They will provide details on how to escalate your concerns through our **Complaints and Commendations procedure**.

If you are dissatisfied with our response, you may contact the **Public Services Ombudsman for Wales**:

- **Telephone:** 0300 790 0203
- **Email:** 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.