

Permit Number: EPR/KP3135KV Operator: The Royal Mint Limited
 Facility: The Royal Mint Form Number: Air1 / 11/01/23

Reporting of emissions to air for the period from 01/01/2024 to 30/06/2024

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
A9	Hydrogen Cyanide	5 mg/m ³	Periodic (Daily Average)	0.49 mg/m ³	CEN TS 17337 US EPA OTM29	07/05/24 12:34 - 13:34	0.1 mg/m ³
A10	Sulphur dioxide	0.6 mg/m ³	Periodic (Daily Average)	2.6 mg/m ³	EN 14791	22/02/24 10:54 - 11:54	0.27 mg/m ³

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
 (Authorised to sign as representative of Operator)

Date 22/01/25

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: EI

Reporting of Energy Usage for the year **2024**

Energy Source	Energy Usage Quantity (Kwh)	Primary Energy (MWh)	Specific Usage (MWh/tonne)
Electricity *	20,151,922 (Total Energy Use)	48,365 (for total energy)	7.34
	3,927,059 ("On Site" Wind Turbines and Solar Generated Energy)	38,940 (for energy generated by grid and site CHP plant)	5.91
Natural Gas	12,661,649	12,662	1.92
TOTAL	32,813,571	61,027	9.27

* Conversion factor for delivered electricity to primary energy - **Primary Energy = electrical energy X 2.4 (as per the Resource Efficiency Physical Index)**

Operator's comments:
Total Saleable Product 2024 = 6,585Tonnes.

Signed
(authorised to sign as representative of the Operator)

Date 22/01/25

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: Water Usage 1

Reporting of Water Usage for the year **2024**

Water Source	Usage (m ³ per year)	Specific Usage (m ³ /tonne)
Mains Water	151,775	23.05
River Abstraction	295,368	44.85
TOTAL WATER USAGE	447,143	67.90

Operator's comments:

Total Saleable Product 2024 = 6,585Tonnes.

Signed 



Date 22/01/25

(authorised to sign as representative of the Operator)

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: Performance I

Reporting of other performance indicators for the year **2024**

Parameter	Value	Units
Total raw material used	5,674	tonnes
Water abstraction from river	295,368	m ³ /year
Total final product tonnage	6,585	tonnes
CO _{2e} / tonne of circulating coin.	753.88 (Consumed Energy from grid supplied and CHP sources) * 1809.30 (Consumed Primary Energy from grid supplied and CHP sources) *	Kg CO _{2e} / tonne
Total waste / tonne of circulating coin.	0.737	Tonne of waste / tonne

Operator's comments:

For grid received electricity the CO_{2e} conversion factor obtained from GOV.UK "Greenhouse gas reporting - Conversion factors 2024 Condensed set (for most users)", using (UK electricity Scope 2, Version 1.1, Condensed set, Year 2024) plus (Transmission and distribution scope 3, Version 1.1, Condensed set, Year 2024) Electricity = kWh x (0.20705 + 0.0183) Kg of CO_{2e} (Fuels Scope 1, Version 1.1., Condensed set, Year 2024) Natural Gas = kWh(Gross CV) x 0.1829 Kg of CO_{2e}.

For CHP supplied energy the CO_{2e} figure has been provided by the energy supplier / equipment supplier (0.1386 Kg of CO_{2e}).

*** The figure excludes energy generated by the "onsite" wind turbines and solar farm.**

Signed 

Date 22/01/25

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