



**Australian Government**  
**Clean Energy Regulator**

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**NATIONAL GREENHOUSE AND ENERGY REPORTING**  
**SECTION 19 - EMISSIONS AND ENERGY REPORT**  
**LIBERTY PRIMARY METALS AUSTRALIA PTY LTD**  
**FOR THE REPORTING YEAR 2023 – 2024**

**REPORT UNDER SECTION 19 OF THE *NATIONAL GREENHOUSE AND ENERGY REPORTING ACT 2007***

Corporations registered under Division 3 of Part 2 of the *National Greenhouse and Energy Reporting Act 2007* (the NGER Act) are required to provide a report to the Clean Energy Regulator (the Regulator) by 31 October each year in respect of the previous financial year relating to:

- greenhouse gas emissions; and
- energy production; and
- energy consumption;

from the operation of facilities under the operational control of the corporation and entities that are members of the corporation's group, during that financial year.

A report under section 19 of the NGER Act must be given in a manner and form approved by the Regulator and set out the information specified in the *National Greenhouse and Energy Reporting Regulations 2008* (the NGER Regulations). The report must also be based on the methods, or methods which meet criteria, set out in the *National Greenhouse and Energy Reporting (Measurement) Determination 2008* (the Measurement Determination).

This report is an approved form in which a report under section 19 of the NGER Act may be given to the Regulator.

Giving false or misleading information is a serious offence.

## **SUBMITTING THE REPORT**

The approved manner for submission of the section 19 report is completion and submission of the report in the Emissions and Energy Reporting System.

Your report must be submitted to the Regulator by 31 October 2024.

If a copy of this report is printed in hardcopy form for any purpose it does not represent, nor can it be treated as, an official version of the report submitted to the Regulator.

## 8: TAHMOOR COAL MINE - FACILITY

Name	TAHMOOR COAL MINE
Facility Street Address	Remembrance Drive TAHMOOR New South Wales 2573 AUSTRALIA
Geographic Coordinates	Latitude 34.250S / Longitude 150.576E
Facility location	-
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	060 - Coal mining
Operational Control	TAHMOOR COAL PTY LTD
Number of Days with Operational Control	Full Year
Operational Control Dates	01/07/2023 - 30/06/2024
Grid Connected Electricity Generator	No

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of TAHMOOR COAL PTY LTD.

GREENHOUSE GAS EMISSIONS (t CO <sub>2</sub> -e)			
Scope 1	Scope 2	Total of Scope 1 and Scope 2	Voluntary market-based Scope 2
1,084,992	77,705	1,162,697	-

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)		
Energy Consumed Total	Energy Consumed Net	Energy Produced
2,045,317	2,045,317	50,164,208

GREENHOUSE GAS SCOPE 1 EMISSIONS BY GAS (t CO <sub>2</sub> -e)						
Carbon Dioxide CO <sub>2</sub>	Methane CH <sub>4</sub>	Nitrous Oxide N <sub>2</sub> O	Perfluorocarbons PFCs	Hydro Fluoro Carbons HFCs	Sulphur Hexafluoride SF <sub>6</sub>	Total
207,841	876,899	247	-	-	5	1,084,992

SCOPE 1 EMISSIONS					
EC = Energy Content Factor, Z = Energy Content, EF = Emission Factor					
Source Activity	Fuel / Criterion	Quantity	Energy Values (EC & Z)	Gas / Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
<b>Source category:</b> Fuel combustion <b>Source of emissions:</b> Stationary and Transport energy purposes (excluding electricity generation) <b>Activity type:</b> Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	<b>Fuel / Energy commodity:</b> Diesel oil <b>Fuel usage:</b> combustion <b>Criterion:</b> A	1,333.533 kL	<b>EC (GJ/Unit):</b> 38.6 <b>Z (GJ):</b> 51,474	<b>Gas:</b> CO <sub>2</sub> <b>EF (kg CO<sub>2</sub>-e / GJ):</b> 69.9 <b>Method:</b> Method 1	3,598
				<b>Gas:</b> CH <sub>4</sub> <b>EF (kg CO<sub>2</sub>-e / GJ):</b> 0.1 <b>Method:</b> Method 1	5
				<b>Gas:</b> N <sub>2</sub> O <b>EF (kg CO<sub>2</sub>-e / GJ):</b> 0.2 <b>Method:</b> Method 1	10

<b>Source category:</b> Fuel combustion <b>Source of emissions:</b> Stationary and Transport energy purposes (excluding electricity generation) <b>Activity type:</b> Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	<b>Fuel / Energy commodity:</b> Diesel oil - Transport post-2004 <b>Fuel usage:</b> combustion <b>Criterion:</b> A	3.213 kL	<b>EC (GJ/Unit):</b> 38.6 <b>Z (GJ):</b> 124	<b>Gas:</b> CO2 <b>EF (kg CO2-e / GJ):</b> 69.9 <b>Method:</b> Method 1	9
				<b>Gas:</b> CH4 <b>EF (kg CO2-e / GJ):</b> 0.01 <b>Method:</b> Method 2	0
				<b>Gas:</b> N2O <b>EF (kg CO2-e / GJ):</b> 0.5 <b>Method:</b> Method 2	0
<b>Source category:</b> Fuel combustion <b>Source of emissions:</b> Stationary and Transport energy purposes (excluding electricity generation) <b>Activity type:</b> Emissions released from combustion of petroleum based oils or greases	<b>Fuel / Energy commodity:</b> Petroleum based oils (other than petroleum based oil used as fuel) <b>Fuel usage:</b> combustion <b>Criterion:</b> A	140.215 kL	<b>EC (GJ/Unit):</b> 38.8 <b>Z (GJ):</b> 5,440	<b>Gas:</b> CO2 <b>EF (kg CO2-e / GJ):</b> 13.9 <b>Method:</b> Method 1	76
<b>Source category:</b> Fuel combustion <b>Source of emissions:</b> Stationary and Transport energy purposes (excluding electricity generation) <b>Activity type:</b> Emissions released from combustion of petroleum based oils or greases	<b>Fuel / Energy commodity:</b> Petroleum based greases <b>Fuel usage:</b> combustion <b>Criterion:</b> A	5.201 kL	<b>EC (GJ/Unit):</b> 38.8 <b>Z (GJ):</b> 202	<b>Gas:</b> CO2 <b>EF (kg CO2-e / GJ):</b> 3.5 <b>Method:</b> Method 1	1
Source Total			57,240		3,699
<b>Source category:</b> Fugitive emissions <b>Source of emissions:</b> Underground mines <b>Activity type:</b> Emissions released from coal mine waste gas flared	<b>Fuel / Energy commodity:</b> Coal mine waste gas that is captured for combustion <b>Fuel usage:</b> combustion	41,822,249.361 m3	<b>EC (GJ/Unit):</b> 0.0377 <b>Z (GJ):</b> 1,576,699	<b>Gas:</b> CO2 <b>EF (kg CO2-e / GJ):</b> 50.4766 <b>Method:</b> Method 2	77,915
				<b>Gas:</b> CH4 <b>EF (kg CO2-e / GJ):</b> 4.6 <b>Method:</b> Method 2	3,630

				Gas: N2O EF (kg CO2-e / GJ): 0.3 Method: Method 2	237
<b>Source category:</b> Fugitive emissions <b>Source of emissions:</b> Underground mines <b>Activity type:</b> Fugitive emissions from extraction of coal	-	-	-	Gas: CO2 EF (kg CO2-e / GJ): - Method: Method 4	126,242
				Gas: CH4 EF (kg CO2-e / GJ): - Method: Method 4	821,352
<b>Source category:</b> Fugitive emissions <b>Source of emissions:</b> Underground mines <b>Activity type:</b> Fugitive emissions from post mining activities	-	-	-	Gas: CH4 EF (kg CO2-e / GJ): 0.019 Method: Method 1	51,912
Source Total			1,576,699		1,081,288
<b>Source category:</b> Industrial processes <b>Source of emissions:</b> Emissions of hydrofluorocarbons and sulphur hexafluoride gases <b>Activity type:</b> Emissions of sulphur hexafluoride gases from gas insulated switchgear and circuit breaker applications	-	557.749 tonnes	-	Gas: SF6 EF (kg CO2-e / GJ): - Method: Method 1	5
Source Total			-		5
Total			1,633,939		1,084,992

#### MATTERS TO BE IDENTIFIED (MTBI) PER SOURCE

Source of Emissions	MTBI	Methods	Activity	Activity Value	Unit
Underground mines	the tonnes of coal mine waste gas (CO2-e) flared	Method 1	-	443810.04	tonnes (CO2-e) (flared)
Underground mines	the tonnes of raw coal produced	Method 4	Fugitive emissions from extraction of coal	2732199	tonnes
		Method 1	Fugitive emissions from post mining activities	2732199.00	tonnes
	Method 4	Fugitive emissions from extraction of coal	0	tonnes (CO2-e)	
	Method 4	Fugitive emissions from extraction of coal	0	tonnes (CO2-e)	
	Method 4	Fugitive emissions from extraction of coal	21220	tonnes (CO2-e)	

the tonnes of methane (CO2-e) captured and transferred off site	Method 4	Fugitive emissions from extraction of coal	224675	tonnes (CO2-e)
the tonnes of carbon dioxide flared	Method 4	Fugitive emissions from extraction of coal	38081.08	tonnes (CO2-e)
the tonnes of methane (CO2-e) flared	Method 4	Fugitive emissions from extraction of coal	405728.96	tonnes (CO2-e)
whether the mine is a gassy mine or a non-gassy mine	Method 1	Fugitive emissions from post mining activities	Gassy	

## SCOPE 2 EMISSIONS

Activity Type	Quantity	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Location Emissions (t CO2-e)
Purchase and loss of electricity from main electricity grid in a State or Territory	114,271,584	kWh	0.68	77,705
			Total	77,705

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub-criterion	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport post-2004	combustion	A	-	3.213	kL	38.6	124
Total								124

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR PURPOSES OTHER THAN PRODUCING ELECTRICITY, PRODUCING A CHEMICAL OR METAL PRODUCT OR FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub-criterion	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	-	1,333.533	kL	38.6	51,474
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	-	140.215	kL	38.8	5,440
Emissions released from combustion of petroleum based oils or greases	Petroleum based greases	combustion	A	-	5.201	kL	38.8	202
Emissions released from coal mine waste gas flared	Coal mine waste gas that is captured for combustion	combustion	-	-	41,822,249.361	m3	0.0377	1,576,699
Total								1,633,815

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub-criterion	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase and loss of electricity from main electricity grid in a State or Territory	-	-	-	-	114,271,584	kWh	0.0036	411,378
Total								411,378

## ENERGY PRODUCED

Activity Type	Fuel / Energy Commodity	Primary/Secondary	Amount	Units	Energy Content Factor	Converted Amount (GJ)
Energy content of fuel produced	Coking coal	Primary	1,590,391	tonnes	30	47,711,730
Energy content of fuel produced	Coal mine waste gas that is captured for combustion	Primary	41,822,249.361	m3	0.0377	1,576,699
Energy content of fuel produced	Coal mine waste gas that is captured for combustion	Primary	23,230,218.325	m3	0.0377	875,779
Total						50,164,208

## CORPORATE GROUP THRESHOLD MET

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The corporate group of LIBERTY PRIMARY METALS AUSTRALIA PTY LTD has met a corporate group threshold prescribed in sections 13 (1)(a),(b), or (c) of the NGER Act during the reporting year and is reporting under Divisions 4.3 to 4.5 of the NGER Regulations (regulation 4.03).

## PERCENTAGE REPORTING FOR SMALL FACILITIES

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This Report contains greenhouse gas emissions and energy production and consumption data that is estimated as a percentage of the corporate group's total greenhouse gas emissions and energy production and consumption data for facilities which are below the thresholds in regulation 4.26 of the NGER Regulations, and that the reporter has determined is to be reported in accordance with this regulation.

## ATTACHMENTS LIST

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<b>Text</b>	<b>Description</b>	<b>Type</b>
<a href="#">LPMA S19 attachment FY24 - 23Oct24.pdf</a>	LPMA support documentation	Other
<a href="#">Final - Tahmoor Coal Mine - High Emissions Facility Audit Report.pdf</a>	Tahmoor - High emitting facility audit report	Independent Audit Report
<a href="#">Final Liberty Primary Steel - High Emissions Facility Audit Report.pdf</a>	WSW - High emitting facility audit report	Independent Audit Report

# PRIVACY STATEMENT

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## PROTECTION OF INFORMATION

The Clean Energy Regulator is bound by the secrecy provisions of Part 3 of the *Clean Energy Regulator Act 2011* (CER Act) in regard to information it collects in relation to this report and also by the *Privacy Act 1988* in regard to personal information it collects.

## PRIVACY NOTICE

'Personal information' is defined in the Privacy Act 1988 to mean information or an opinion about an identified individual, or an individual who is reasonably identifiable:

- (a) whether the information or opinion is true or not; and
- (b) whether the information or opinion is recorded in a material form or not.

The collection of personal information relating to this report is authorised by the *National Greenhouse and Energy Reporting Act 2007* (NGER Act) and the National Greenhouse and Energy Reporting Regulations 2008.

Personal information collected in relation to this report will be used for the purposes of assessing the report content, auditing compliance, enforcement of relevant laws and regulations, the performance of our statutory functions and for related purposes. We will also use the personal information which you provide for our administrative purposes, for example, to pre-populate other Clean Energy Regulator forms which you wish to fill out online in the future, and for improving our service delivery to you. We cannot process the application if we do not collect relevant personal information.

The Clean Energy Regulator's Privacy Policy contains information about the agency's procedures for handling personal information including how a person can access their personal information held by the agency, and how to seek correction of such information. The Privacy Policy also contains information about how to complain about a breach of the Australian Privacy Principles. The Clean Energy Regulator's Privacy Policy can be found at [www.cleanenergyregulator.gov.au](http://www.cleanenergyregulator.gov.au).

## DISCLOSURE OF INFORMATION

The Clean Energy Regulator is only able to disclose information relating to this report (including personal information) in accordance with the CER Act, the NGER Act, the Privacy Act 1988 or as otherwise required by law.

The circumstances in which such information may be disclosed include:

- Disclosure to the Secretary or authorised officer of a Department for the purpose of administering a program or collecting statistics relating to greenhouse gas emissions, energy consumption or energy production;
- Disclosure to certain agencies, bodies or persons where the Regulator is satisfied that disclosure will enable or assist those agencies, bodies or persons to perform or exercise their functions or powers, including the Australian Securities and Investments Commission, the Australian Competition and Consumer Commission and the Commissioner of Taxation;
- Disclosure for the purposes of law enforcement;
- Disclosure to States and Territories in accordance with the NGER Act; and
- Disclosure for the purposes of a climate change law or for the purposes of the performance of our functions under a climate change law.



## DECLARATION

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The Executive Officer (or equivalent), as described in the *National Greenhouse and Energy Reporting Act 2007* (NGER Act), should read the following declaration below before electronically submitting the emissions and energy report.

It is the responsibility of the reporting entity to ensure that the information provided in the emissions and energy report is prepared in accordance with the requirements set out in the NGER Act and the National Greenhouse and Energy Reporting Regulations 2008 (NGER Regulations) and that the data it contains is based on methods prescribed in the National Greenhouse and Energy Reporting (Measurement) Determination 2008 (NGER Measurement Determination).

Under the NGER Act and the NGER Regulations, the reporting entity remains responsible for the truth and accuracy of the contents of the emissions and energy report despite the assistance, if any, of a third party in its preparation.

Section 19 of the NGER Act includes a civil penalty provision, a breach of which may attract a pecuniary penalty of up to 2,000 penalty units.

In accordance with section 22 of the NGER Act, a reporting entity is required to keep records of the activities of the members of its group that, inter alia, allow it to report accurately and enable the Clean Energy Regulator to ascertain whether it has complied with its obligations under the NGER Act. Records must be retained for a period of 5 years from the end of the year in which the activities took place. Section 22 includes a civil penalty provision, a breach of which may attract a pecuniary penalty of up to 1,000 penalty units.

By electronically submitting, the signatory declares that:

- they have read and understood the penalties that apply for breaching the NGER Act;
- the information provided in this emissions and energy report (including any attachments) is true and correct, and that they understand that the provision of false or misleading information is a serious offence under the *Criminal Code 1995* and may have consequences under the NGER Act;
- the information provided in this emissions and energy report has been prepared and supplied in accordance with the requirements set out in the NGER Act, the NGER Regulations and the NGER Measurement Determination;
- they are duly authorised to act, including submitting this emissions and energy report, on behalf of the reporting entity;
- they acknowledge the Clean Energy Regulator is required to publish the information provided in this emissions and energy report, including any market-based scope 2 emissions reported under section 7.4 of the Measurement Determination;
- they consent to the publication of the total market-based scope 2 emissions reported for the corporate group;
- they consent to the publication of contextual information relating to market-based scope 2 emissions such as the proportion of facilities which reported under the market-based method for the corporate group;
- the Clean Energy Regulator may compel or conduct an audit of the information contained in this emissions and energy report or in relation to compliance with the NGER Act, the NGER Regulations and the NGER Measurement Determination;
- the Clean Energy Regulator may request further clarification or documentation to verify the information supplied in this emissions and energy report; and
- the entity providing the emissions and energy report and each group member (if any) listed in the report is a body corporate.