

ESG Approach and Performance

MMG Limited (the Company) operates and develops copper, zinc, cobalt and other base metals projects across Australia, the DRC and Peru. In 2023, MMG had four mining operations: Las Bambas, Kinsevere, Dugald River and Rosebery.

The Company is committed to responsible environmental and social performance and effective governance of its operations. This supports our growth strategy by helping to:

- manage reputational and regulatory risks;
- control costs and drive efficiencies;
- build strong stakeholder relationships; and
- attract and retain talented employees.

ESG reporting and materiality

The Company conducts a Global Reporting Initiative (GRI)-aligned materiality assessment to ensure that ESG issues which matter most to our stakeholders are reported.

The MMG Sustainability Report provides an annual summary of our approach and performance across our material sustainability issues. Elements of our sustainability reports are externally assured in line with our commitments as a member of the International Council on Mining and Metals (ICMM).

Further information on MMG's approach to sustainability, health and safety, security, social performance, environmental performance, key stakeholder relationships and compliance with laws and regulations will be reported in the 2023 MMG Sustainability Report available on the Company's website at www.mmg.com in the Second Quarter of 2024.

Corporate governance

The Company is committed to maintaining a high standard of corporate governance practices demonstrated through an experienced Board, sound risk management and internal controls, and transparency and accountability to all stakeholders. For the Company, good governance extends beyond the Board, with executive management embedding governance practices across the organisation. The company complies with the principles of good corporate governance as set out in the Corporate Governance Code (CG Code) of the Hong Kong Listing Rules, those of the ICMM and all external reporting obligations.

The Company has applied the principles of good corporate governance as set out in the Corporate Governance Code and Corporate Governance Report (CG Code) contained in Appendix C1 of the Hong Kong Listing Rules. It has complied with all applicable code provisions set out in the Appendix C1 of the Hong Kong Listing Rules throughout the years, except for the deviation from code provision B.2.2 as explained under the section headed 'Re-election of Directors' of the MMG Annual Reports.

MMG has the Audit and Risk Management (ARM) Committee and the Governance, Remuneration, Nomination and Sustainability (GRNS) Committee both of which operate under clear Terms of Reference. MMG also have a number of Executive Management Committees, including the Executive Committee, the Disclosure Committee, Investment Review Committee, Mineral Resources and Ore Reserves Committee and Code of Conduct and People Committee. A function of the Executive Committee is to review security, safety, health, environmental and social performance to improve efficiency and effectiveness. Specific security, safety, health, environment and community (SSHEC) matters to be discussed by the Board include identification, review and governance of SSHEC-related material issues, significant incidents, remediation/mitigation strategies and any specific areas of focus as identified by the Board.

ESG Approach and Performance Continued

In accordance with the Company's Sustainability Framework, owned and endorsed by the Board Governance, Remuneration, Nomination and Sustainability Committee and implemented across the Company, the Board carries out identification, review and governance of SSHEC-related material issues consistent with this framework. The framework aligns with the ICMM's Mining Principles. The Company's approach is informed by our Corporate Governance Policy, People Policy, Shareholder Communication Policy, SSHEC Policy and Human Rights Policy.

There is no universal formula for good corporate governance. Our emphasis throughout this Statement is on compliance with our internal standards, informed by CG Code of the Hong Kong Listing Rules, those of the ICMM and all external reporting obligations.

Compliance

The Governance, Remuneration, Nomination and Sustainability Committee is responsible for developing and reviewing the Company's policies and practices on corporate governance, the Sustainability material-topics, the Code of Conduct and monitoring MMG's compliance with the Listing Rules and other applicable laws.

Our Executive Committee monitors our performance in line with the Group's policies, standards and regulatory requirements relating to safety, health, environment and community.

Business ethics

Our values and Code of Conduct inform ongoing, long term stakeholder relationships with communities and other stakeholders, with formal structures guiding how we review and respond to any potential behavioural, ethical or cultural issues as they may arise. MMG's Code of Conduct, which sets out the standards of behaviour for our employees, contractors and suppliers, covering areas such as conflict of interest, fraud, anti-corruption and legal compliance, is overseen by our Code of Conduct and People Committee, chaired by the Executive General Manager, Corporate Relations. MMG engages an independent confidential whistleblower service which is available to all employees, contractors, suppliers and external stakeholders globally. MMG's Whistleblower Framework explains the process for reporting any improper conduct, the protections afforded to people who report improper conduct, how such reports will be dealt with and the type of action which may be taken as a result. The Whistleblower Framework is integral to MMG's Corporate Legal Compliance Standard. In 2022, MMG updated its stakeholder grievance mechanism to fully align with this framework and additional mechanisms for anonymously raising grievances, further strengthening protections for stakeholders who raise issues with MMG. We also have an Anti-Corruption Standard and Framework, and a Supplier Code of Conduct.

All MMG employees including management and directors are informed of and required to comply with the Code of Conduct and Anti-Corruption Standard and Framework as a condition of their employment. An online training module is made available to employees and directors and face to face training is conducted from time to time. As part of our new set of Sustainability performance indicators in effect as of 2022, progress against targets relating to the percentage of employees required to complete anti-bribery and corruption training modules as well as grievance response and resolution times are regularly monitored by the MMG Executive Committee and MMG Board. In 2024, ongoing monitoring will be conducted quarterly by MMG's Executive Committee and the GRNS Committee.

We recognise that some of the jurisdictions where we are based present unique human rights challenges. Because of this, we seek to match good governance with a commitment to transparent initiatives, such as the Extractive Industries Transparency Initiative (EITI) coupled with open and reciprocal host community discussions.

Data protection including customer data is ensured by the use of SAP, enforcing identification authorisation, monitored by the Global Business Service. Privacy is controlled by the Company's Anti-Corruption Framework, segregation of duties and anti-bribery, anti-corruption and anti-competitive behaviour expectations.

ESG Approach and Performance Continued

Confidentiality terms are also defined in all contracts. These processes and frameworks are monitored by legal, assurance and risk departments. In addition, all corporate technology applications are hosted on Microsoft Azure cloud, with security design as well as Advanced Protection service procured from Microsoft.

Managing cyber security risk is a priority applied across MMG's different jurisdictions. All employees are required to understand and adhere to the acceptable use guidelines outlined in the MMG Technology Work Quality Requirement (WQR). This sets a safe technology use standard to protect our people and data from the risk of cyber security attacks, which could compromise MMG systems and services.

In 2023, there were no confirmed significant non-compliances with the Company's Code of Conduct identified and no legal cases regarding corrupt practices brought against the Company or its employees.

Developing and supporting our workforce and protecting labour rights

The Company has one standard governing people and benefits matters globally, the People Standard. This Standard is supported with detailed work quality requirements, systems and processes to ensure global standards and local requirements are met, which include policies related to compensation and dismissal, working hours, recruitment and people movements.

The Company is also aligned with all national legislation and legal requirements in the countries where our operations are located. The Company, through robust selection processes, chooses the best people for each position and rewards them competitively with salary and benefits that are in line with market conditions and their contribution to our overall business success. The Company is committed to sharing its successes with our communities through local employment opportunities and by investing in training and education to help local residents' transition to careers in mining or related fields.

The Company provides its people with the opportunity to develop their skills, expertise and experience to optimise their contribution to our business and to develop their careers. The Company has two broad streams of vocational training, operational training and competency verification, to drive safety, efficiencies and manage material business risks.

In addition, the Company enables employees' professional development to enhance leadership capabilities and support career pathways. The Company undertakes extensive workforce and community engagement on, and offers support to, individuals affected by any business decisions to downsize or close operations.

The Company aims to provide safe workplaces that are free of discrimination and harassment, and which foster diversity and inclusion. The Company also has a global Diversity and Inclusion approach led by the Executive Committee. The Company, through the Code of Conduct and People Committee, provides guidance on diversity and inclusion policy and practice, working alongside the regions as they determine diversity and inclusion initiatives and actions specific to their region. MMG's approach to inclusion and diversity supports our comparative advantage in attracting and retaining talent, in addition to delivering business benefits associated with greater levels of collaboration.

The Company promotes good mental health practices in the workplace and supports our workers to be physically fit and well rested so that they are able to carry out their duties safely.

We are committed to upholding the International Labour Organisation's (ILO) Declaration of Fundamental Principles and Rights at Work and their Core Labour Standards and comply with local labour laws, as a minimum, and with consideration of the eight core conventions of the ILO focusing on human rights that are directly applicable to business. This includes the rights of our employees to freedom of association and collective representation and endeavour to have positive and constructive negotiations with elected representatives of these groups. The Company also upholds the ILO Principles regarding the elimination of all forms of forced and child labour.

ESG Approach and Performance Continued

In 2023, there were no confirmed non-compliance incidents or grievances in relation to labour practices that have had a significant impact on the Group.

The following tables represent the Company's workforce by gender, employment type, age group and geographical region as well as the employee turnover rate by gender, age group and geographical region.

Table 1: 2023 Total Workforce by Employment Type and Site

Site	Permanent	Temporary	Permanent %	Temporary %	Total Workforce
Dugald River	500	357	58%	42%	857
Kinsevere	897	3,874	19%	81%	4,771
Las Bambas	2,578	5,695	31%	69%	8,273
Rosebery	361	239	60%	40%	600
Corporate	186	2	99%	1%	188
Australian Operations	34	0	100%	0%	34
MMG	4,556	10,167	31%	69%	14,723

* Please note that in this table, MMG permanent employees represents employees directly employed by MMG. Temporary employees includes contractors, consultants and other short-term engagements.

** Headcount for MMG permanent employees is at 31 December 2023. For temporary, this is an average of the total workforce throughout the course of the year.

Table 2: 2023 Total Permanent Workforce by Gender and Site

Site	Female	Male	Female %	Male %	Total Workforce
Dugald River	63	437	13%	87%	500
Kinsevere	130	767	14%	86%	897
Las Bambas	339	2,239	13%	87%	2,578
Rosebery	42	319	12%	88%	361
Corporate	89	97	48%	52%	186
Australian Operations	14	20	41%	59%	34
MMG	677	3,879	15%	85%	4,556

* Please note this table refers to MMG permanent employees directly employed by MMG. This does not include temporary employees, including contractors or consultants.

ESG Approach and Performance Continued

Table 3: 2023 MMG Workforce Turnover Rate by Age Group and Site

Site	Age (<30)	Age (31-50)	Age (>50)	Age (<30)	Age (31-50)	Age (>50)
Dugald River	15	43	10	22%	63%	15%
Kinsevere	2	12	8	9%	55%	36%
Las Bambas	8	88	11	7%	82%	10%
Rosebery	14	30	14	24%	52%	24%
Corporate	3	2	2	43%	29%	29%
Australia Ops	0	0	1	0%	0%	100%
Total	42	175	46	16%	67%	17%

* Please note this table refers to total MMG permanent employees during 2023, including all voluntary resignations for permanent employees. This does not include temporary employees, including contractors or consultants.

** The workforce turnover rate by age group and site was calculated using the total turnover for each operation, rather than as a percentage of the total permanent workforce.

Table 4: 2023 MMG Workforce Turnover Rate by Gender and Site

Site	Female	Male	Female (%)	Male (%)
Dugald River	9	59	13%	87%
Kinsevere	4	18	18%	82%
Las Bambas	15	92	14%	86%
Rosebery	10	48	17%	83%
Corporate	4	3	57%	43%
Australian Ops	1	0	100%	0%
TOTAL	43	220	16%	84%

* Please note this table refers to total MMG permanent employees during 2023, including all voluntary resignations for permanent employees. This does not include temporary employees, including contractors or consultants.

** The workforce turnover rate by age group and site was calculated using the total turnover for each operation, rather than as a percentage of the total permanent workforce.

Table 5: 2023 MMG Permanent Workforce Training by Employee Category

	Workforce	Trained Workforce	Trained Workforce (%)	Total Trained Hours	Avg Trained Hours
Executives – level 5/6	5	2	40%	5.25	1.05
Senior Management – level 4	14	10	71%	248.00	17.71
Middle Management – level 3	108	88	81%	2,103.75	19.48
Lower Management – level 2	301	227	75%	8,288.33	27.54
Employees – level 1	4,128	4,097	99%	180,913.33	43.83
Total	4,556	4,424	97%	191,558.66	42.05

* Please note this table refers to MMG permanent employees directly employed by MMG. This does not include temporary employees, including contractors or consultants.

ESG Approach and Performance Continued

Social performance and stakeholder engagement

We recognise that ongoing, meaningful stakeholder engagement from exploration through to the cessation of our mining activities is critical in ensuring that our business decisions are responsive to the needs and expectations of our host communities and governments. We aim to partner with our communities and strive to maintain socially and culturally inclusive and proactive communication with stakeholders regarding future plans and performance. MMG's commitment to the ICMM's Mining Principles, including the commitment to community dialogue and position on free, prior and informed consent regarding Indigenous Peoples, guides our approach to stakeholder engagement. The Company's responsibilities regarding interactions and contribution to host communities are further defined in the Company's Social Performance Standard.

The social and economic benefits we provide through our operations and their supply chains support our employees, shareholders, communities, regions and host countries to develop and prosper. This contribution comes through our payment of taxes, royalties, wages and employee entitlements; our purchase of goods and services; and through community compensation, support for local initiatives, benefit sharing and our direct investment in addressing the UN SDGs 1–6, as listed below:



 <p>SDG1: No Poverty</p>	 <p>SDG2: Zero Hunger</p>	 <p>SDG3: Good Health and Wellbeing</p>
 <p>SDG4: Quality Education</p>	 <p>SDG5: Gender Equality</p>	 <p>SDG6: Clean Water and Sanitation</p>

Table 6: 2022 Total Community Investment Spend by Focus Area (USD \$)

Investment by SDG	Dugald River	Kinsevere	Las Bambas	Rosebery	Total
SDG1: No Poverty	\$5,310	\$495,666	\$15,387,871	\$17,157	\$15,906,004
SDG2: Zero Hunger	\$3,319	\$309,578	\$3,038,102	\$25,221	\$3,376,220
SDG3: Good Health and Wellbeing	\$106,126	\$267,322	\$3,506,082	\$132,501	\$4,012,031
SDG4: Quality Education	\$13,632	\$945,490	\$6,847,480	\$19,387	\$7,825,989
SDG5: Gender Equality	\$14,933	\$0	\$501,583	\$6,836	\$523,352
SDG6: Clean Water and Sanitation	\$0	\$42,699	\$163,360	\$0	\$206,059
Total	\$143,320	\$2,060,755	\$29,444,478	\$201,102	\$31,849,655

In addition to improving access to health, education and other livelihood indicators, human development recognises the importance of managing vulnerability and building community resilience. Communities and countries must be able to withstand ongoing pressures around social and economic security, as well as the impacts of development and political instability. We seek to support our communities as they go through this journey and plan for a resilient, sustainable future.

More information about the Company's stakeholder engagement approach, as well as social performance and investment initiatives, can be found in the 2023 MMG Sustainability Report, available in the second quarter of 2024 on www.mmg.com.

In 2023, there were no confirmed non-compliance incidents or grievances in relation to human rights that have had a significant impact on the Group.

ESG Approach and Performance Continued

Supply chain

The Company sources goods and services through a global supply chain to satisfy the requirements of our operating sites. Our suppliers are essential to our business and our commitments to the environment and social contributions; hence all suppliers must satisfactorily pass the Company's Due Diligence requirements prior to the commencement of any sourcing activity. We value our relationships with qualified suppliers.

The provision of goods and services across our operations is helping local suppliers to develop sustainable businesses. Where possible, we source from providers who meet our key selection criteria in safety, environment, quality, technical, social responsibility and commercial viability. Where gaps are identified, we aid our suppliers to take up future opportunities to grow their businesses and expand their offering to customers beyond MMG.

In 2023, the Company had 6,422 active suppliers, of which 28.4% are in Australia, 33.89% in Peru, 8.39% in the DRC, 2.81% in South Africa, and 3.17% in China. The rest were distributed among other countries. Our total spend in 2023 was over US\$2,755 million, and over 86.62% were localised expenditures.

The Company's supplier engagement and contract award process includes a comprehensive assessment across a range of criteria, including commercial, social, safety, environmental, quality and technical capabilities. As part of the supplier selection process, we also assess a range of non-financial criteria around supporting sustainable development in the regions where we work, including local community training and commitment to local employment.

As part of our supplier engagement process, the Company seeks formal agreement from suppliers to comply with the Supplier Code of Conduct and Anti-Corruption Framework as well as all relevant Company standards, policies and procedures, including the Supply, Fatal Risk Management, Human Rights, Social Performance and Safety, Security, Health and Environment (SSHE) Performance Standards. In 2023 the Company regularly reviewed and reported on agreed contract performance measures, as well as identified and actioned improvement opportunities.

In 2023, there were no confirmed non-compliance incidents or grievances in relation to supply chain management that have had a significant impact on the Group.

Product stewardship

The Company aims to supply metal and metal concentrate products that consistently meet customer quality expectations and that are safe for people and the environment in their intended use. The Company has processes for managing customer complaints to facilitate timely and satisfactory resolution.

The Product Stewardship Procedure guides activities to understand the characteristics of the Company's products and manage its potential impacts on human health and the environment during transportation, storage and handling. Shipments of copper, zinc and lead concentrates comply with international maritime legislation and the Company's products are classified in line with the International Maritime Organisation's (IMO) MARPOL Convention Annex V and the International Maritime Solid Bulk Cargoes Code. Most products are delivered by standard bulk container process without packaging materials. Las Bambas molybdenum concentrate is packed in non-returnable bags and loaded for shipment in ISO general purpose shipping containers.

The Company's global customers also have a shared responsibility for managing impacts throughout the life cycle of the goods they make from downstream processing of our products.

Products sold by the Company are commodities of which intellectual property is not applicable. The quality of products is priced with multiple commercial terms such as payable and claims in a wide range without recall. Therefore, no products sold or shipped are subject to recalls for safety and health reasons.

In 2023, the Company is not aware of any significant incidents of non-compliance with regulations and voluntary codes concerning the provision and use of the Company's products and services that have had a significant impact on the Company.

ESG Approach and Performance Continued

Health and safety

The Company's first value is safety with a commitment to eliminating fatalities and reduction of incidents and injuries at the workplace. The Company's Safety, Security, Health, Environment and Community (SSHEC) Policy, standards, work quality requirements and procedures collectively define the way work should be planned, assigned and executed to achieve safe outcomes. These standards include safety, security, health and environment (Fatal Risk, SSHE Performance Standards), contract management (Supply and Insurance Standard), project management (Project Standard), plant and equipment maintenance (Production and Maintenance Standard) and learning from events (Risk Management Standard).

The Company's focus on driving a safety mindset is embedded with supporting leadership and key processes in every area of the business.

Four key elements in developing an organisational culture with a strong and effective focus on safety and health has been identified including:

1. Leadership and culture, with sites aligned to common MMG leadership attributes.
2. Elimination of fatalities (low-probability, high consequence events) consistent with the requirements of our Fatal Risk Standard.
3. Prevention of injuries (high-probability events) consistent with the requirements of our Safety, Security, Health and Environment (SSHE) Performance Standard.
4. Application of learnings from incidents in line with the requirements of our internal safety and health standards.

The company's approach is based on avoiding harm to our people. MMG is committed to continuous improvement in their approach to managing safety. Through our Safety Leadership Program, the Company strive to develop a culture where safety leadership is supported through:

- a commitment to caring for each other and living MMG's values;
- building safety capability and commitment in MMG people;
- training MMG's people to be competent in all their tasks;
- enabling MMG frontline leaders to effectively implement MMG standards and processes; and
- continually supporting and enabling safe behaviour.

Despite the Company's commitment to a safety-first culture and to ensuring that supporting behaviours and processes are in place across every area of our operations, we sadly report that two Barmingo contractors were fatally injured at the Dugald River mine on Wednesday 15 February 2023 when the light vehicle they were travelling in fell into a stope.

At the end of 2023, the total recordable injury frequency rate (TRIF) for the Company was 1.97 per million hours worked.

The Company is committed to doing more to achieve its target of zero fatalities and reduce the recordable injuries. 69 people across the Company's operations in 2023 experienced injuries that required medical treatment, time away from work or resulted in them being unable to perform their normal duties for a period of time. The lost time injury frequency rate (LTIF) was 0.43 for 2023.

In 2023, MMG received no significant safety related fines or non-monetary sanctions.

Environment

The Company is committed to minimising our environmental footprint through the efficient use of natural resources, management of waste produced and effective life-cycle management. The Company is focused on managing our impacts and align our environmental and biodiversity activities with our life-of-asset plans.

ESG Approach and Performance Continued

The Company's SSHEC Policy, SSHE Performance Standard defines minimum requirements for the management of water, greenhouse gases emission (GHG) reduction measures, mineral and non-mineral wastes, land, biodiversity and cultural heritage, air, noise and vibration, and all sites are required to comply with these requirements.

The Company's approach to environmental management and impact is based on the principle of continuous improvement and is aligned to the ISO14001. The approach involves identification, assessment and control of material environmental risks across all phases of our business, from exploration through to development, operation and closure. Further, the SSHE Performance Standard sets the benchmark for the efficient use of resources and minimisation of environmental impacts from our operations that include mining, processing and transportation.

Site compliance with the requirements of the SSHE Performance Standard is internally audited as part of an integrated assurance process.

The Company acknowledges human induced climate change and its impacts on the environment, the economy and communities. As extreme weather events continued to intensify globally, the Company's need to assess and build resilience became more important than ever. The Company is dedicated to being part of the global solution through the provision of minerals and metals required in a low carbon future and by committing to net zero emissions by 2050. MMG set a Net Zero by 2050 GHG emissions target and an interim reduction target of 40% in Scopes 1 and 2 emissions by 2030, from a 2020 baseline. A climate strategy, which was developed and approved by the Board in March 2022, strengthening our commitment to reduce GHG emissions, is under implementation.

MMG's Climate Strategy is tied to business planning, with all sites determining potential decarbonisation pathways and credible timelines for implementing greenhouse gas (GHG) reduction opportunities. Carbon emissions data, reporting and projections have been strengthened, and a Scope 3 emissions (indirect greenhouse gases) inventory was developed in 2023 together with customers and suppliers. Transitioning to 100% renewable electricity supply is the fastest and most reliable way to cut emissions, as technology is still being developed to displace diesel from mobile equipment fleets. MMG is committed to strengthening GHG emission data collection, reporting, risk assessment and future projections. These steps will boost transparency of how MMG tracks and publicly discloses GHG emission targets, reinforcing a key company value: 'We do what we say'. MMG will also stress-test emission projections under several climate change and carbon pricing scenarios to strengthen the climate strategy.

Further information can be found in the 2023 MMG Sustainability Report available at www.mmg.com.

The Company tracks and monitors hazardous and non-hazardous waste types and volumes, with opportunities for waste reduction and efficacy highlighted through reporting processes. Hazardous waste is managed as per state and national regulations with certified contractors transporting to appropriate waste facilities. The Company faces no challenges in sourcing water that is fit for purpose. As part of the new set of sustainability performance indicators, progress towards performance at optimal level of compliance against Global Industry Standard on Tailings Management will be monitored quarterly by the Executive Committee including waste reduction and water efficiency.

In 2023, there were no significant fines or penalties related to environmental management that have had a significant impact on the Group.

Information and data relating to the type and total air and greenhouse gas emissions, hazardous and non-hazardous waste produced, direct and indirect energy consumption and water consumption are listed in the 2023 Environmental Data section below and are managed in accordance with the Environmental Standard and core principles of ISO14001.

ESG Approach and Performance Continued

2023 Environmental data

Consistent with our internal reporting, energy consumption is listed in gigajoules (GJ), emissions to air and waste is reported in tonnes, and water is reported in megalitres (ML). For consistency, ratios are calculated on a per tonne of ore milled or per thousand tonnes of ore milled basis.

Table 7: Total energy consumption (GJ)

Site	2023	2022
Dugald River	977,739	1,003,563*
Kinsevere	1,664,047	1,279,561
Las Bambas	11,904,131	9,862,987
Rosebery	778,917	743,624
MMG Total	15,324,834	12,889,735*

* 2022 value updated due to adjustment in calculation method (non-material).

Note: Energy consumption made up of a mix of sources, including diesel, LPG, on grid electricity, explosives and others.

Table 8: Energy consumption (GJ/tonnes milled)

Site	2023	2022
Dugald River	0.59	0.54
Kinsevere	0.79	0.54
Las Bambas	0.23	0.22
Rosebery	0.85	0.83
MMG Total	0.27	0.26

Table 9: Direct and indirect energy consumption (GJ)

Site and year	Direct energy consumption	Indirect energy consumption
Dugald River		
2023	271,208	706,531
2022	235,618*	767,944*
Kinsevere		
2023	1,160,907	503,140
2022	788,181	491,380
Las Bambas		
2023	7,184,943	4,719,188
2022	6,154,606	3,708,381
Rosebery		
2023	234,996	543,921
2022	227,623*	516,002*
MMG Total		
2023	8,852,054	6,472,780
2022	7,406,028*	5,483,707*

* 2022 value updated due to adjustment in calculation method (non-material)

ESG Approach and Performance Continued

Table 10: Total greenhouse gas emissions (tonnes CO₂-e)

Site and year	Direct GHG emissions	Indirect GHG emissions	Total
Dugald River			
2023	18,542	61,502	80,044
2022	15,783*	91,894*	107,677*
Kinsevere			
2023	80,337	1,537	81,874
2022	54,455*	8,599	63,054*
Las Bambas			
2023	477,686	260,205	737,891
2022	416,473	206,580	623,053
Rosebery			
2023	15,741	25,685	41,426
2022	15,267*	23,662	38,929*
MMG Total			
2023	592,306	348,929	941,235
2022	501,978*	330,735*	832,713*

* 2022 value updated due to adjustment in calculation method (non-material).

Table 11: Greenhouse gas (GHG) emissions (tonnes CO₂-e/'000 tonnes milled)

Site	2023	2022
Dugald River	48.22	58.39*
Kinsevere	38.85	26.85
Las Bambas	13.96	14.15
Rosebery	45.12	43.40
MMG Total	16.35	16.94*

* 2022 value updated due to adjustment in calculation method.

ESG Approach and Performance Continued

Table 12: Air emissions (tonnes)

	2023	2022
Oxides of Nitrogen (NO_x)		
Dugald River	0	99
Kinsevere	61,756	58,975
Las Bambas	17,804	16,271
Rosebery	99	92
MMG Total	79,659	75,437
Oxides of Sulphur (SO_x)		
Dugald River	0	0
Kinsevere	112	110
Las Bambas	22	26
Rosebery	0	0
MMG Total	134	136
Particulate Matter (PM₁₀)		
Dugald River	390	360
Kinsevere	15,983	15,715
Las Bambas	2,932	3,606
Rosebery	360	328
MMG Total	19,665	20,009
Volatile Organic Compounds (VOCs)		
Dugald River	16	12
Kinsevere	3,039	2,853
Las Bambas	864	791
Rosebery	7	7
MMG Total	3,926	3,663

Table 13: Total hazardous waste (tonnes)

Site	2023	2022
Dugald River	295	187
Kinsevere	108	79
Las Bambas	2,590	2,022
Rosebery	399	471*
MMG Total	3,392	2,759*

* 2022 value updated due to adjustment in calculation method (non-material)

ESG Approach and Performance Continued

Table 14: Hazardous waste produced (tonnes/'000 tonnes milled)

Site	2023	2022
Dugald River	0.18	0.10
Kinsevere	0.05	0.03
Las Bambas	0.05	0.05
Rosebery	0.43	0.53*
MMG Total	0.06	0.06

* 2022 value updated due to adjustment in calculation method (non-material)

Table 15: Total non-hazardous waste (tonnes)

Site	2023	2022
Dugald River	1,699	2,434
Kinsevere	601	366
Las Bambas	14,032	10,938
Rosebery	1,756	1,885
MMG Total	18,088	15,623

Table 16: Non-hazardous waste produced (tonnes/'000 tonnes milled)

Site	2023	2022
Dugald River	1.02	1.32
Kinsevere	0.29	0.16
Las Bambas	0.27	0.25
Rosebery	1.91	2.10
MMG Total	0.31	0.32

Table 17: Total water consumption (ML)

Site	2023	2022
Dugald River	2,171	1,941*
Kinsevere	4,634	4,217*
Las Bambas	18,496	15,224
Rosebery	704	763*
MMG Total	26,005	22,145*

* 2022 value updated due to adjustment in calculation method (non-material)

Table 18: Total water consumption (ML/'000 tonnes milled)

Site	2023	2022
Dugald River	1.31	1.05*
Kinsevere	2.20	1.80*
Las Bambas	0.35	0.35
Rosebery	0.77	0.85*
MMG Total	0.45	0.45*

* 2022 value updated due to adjustment in calculation method (non-material)