

KEY ENVIRONMENTAL AND HEALTH METRICS

Pillar	Topic	Measure	Internal Reporting Frequency Rate	Target – reference standard	2023	2022	Unit
Environmental Factors	Energy Management (Scope 2)	Total energy use onsite (to be reported in GJ)	Monthly	None	1,208,298	1,186,094	GJ
		% energy consumed supplied from grid electricity (%)	Monthly	None	42	52	%
		% energy supplied from renewable source (%)	Monthly	None	0	0	%
	Greenhouse Gas Emissions (Scope 1)	Total CO ₂ equivalent emissions (incl. of CO ₂ , CH ₄ , N ₂ O out of seven GHGs emitted at RUL)	Monthly	None	149,561	145,989	tCO ₂ -e
		Ratio of total Gross Global emissions (under emissions limiting regulations) against total Gross Global emissions reported in %	Monthly	None	0.65	0.42	%
		Long- and short-term strategies on managing scope 1 emissions	Annually	None	Roaster 1 replacement, Stack Emissions Strategy	Roaster 2 replacement, Stack Emissions Strategy	N/A
		Develop & report (performance) on internal targets	Annually	–	Included in annual Sustainability and Performance Report		N/A
	Air Quality – pollutants from direct air emissions (in metric tons)	Carbon Monoxide (CO) emission	Annually	N/A	620	2,198	(mg/Nm ³)
		Oxides of Nitrogen (NOx) emission (excl. N ₂ O)	Annually	500 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2005	82	73	(mg/Nm ³)
		Oxides of Sulphur (SOx) emission	Annually	1000 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2006	86	1,968	(mg/Nm ³)
		PM10 emissions	Annually	50 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2007	57	268	(mg/Nm ³)
		Lead (Pb) emission	Annually	0.5 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2008	0	0	(mg/Nm ³)

Key environmental and health metrics continued

Pillar	Topic	Measure	Internal Reporting Frequency Rate	Target – reference standard	2023	2022	Unit
Environmental Factors (continued)	Air Quality – pollutants from direct air emissions (in metric tons) (continued)	Mercury (Hg) emission	Annually	0.05 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2009	0	0	(mg/Nm ³)
		non-methane VOCs	Annually	Not measured presently – will be included in sampling (2024 onwards) for alignment to standard.			(mg/Nm ³)
		Heavy Metals	Annually	0.5 – SA NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2011	0.45	0.71	(mg/Nm ³)
Water Management		Freshwater consumption	Annually	2,814,150 – RUL Internal target	2,698,445	2,769,000	m ³
		Seepage water collected	Annually	2,226,500 – RUL Internal target	1,927,363	2,085,000	m ³
		Abstracted Groundwater – Khan River	Annually	164,250 – RUL Internal target	0	4,780	m ³
Rehabilitation and Closure		Progress made against annual High Level Closure Management and Rehabilitation plans	Annually	100 – RUL Internal target	90	100	%
Waste & Hazardous Materials Management (in metric tons)		Non-mineral waste generated	Annually	None	6,739	8,273	tonnes
		Tailings produced	Annually		9,300,000	8,972,926	tonnes
		Waste Rock generated	Annually		6,780,000	7,363,794	tonnes
		Hazardous waste generated	Annually	None	2,239	2,997	tonnes
		Hazardous waste recycled	Annually	None	225	158	tonnes
		Number of significant incidents associated with hazardous materials and waste management	Monthly	None	0	0	number
		Non-mineral waste management plan & procedure (Document)	N/A	N/A		Management Plans and Procedures are in place.	N/A
Biodiversity Impacts		Environmental Management Plan (Document)	N/A	N/A		Environmental Management Plan against which an Environmental Clearance Certificate is issued is in place.	N/A
		Biodiversity Action Plan (Document)	N/A	N/A		Biodiversity Action Plan in place	N/A
		Acid Mine Drainage	Not reported	Not reported		Acid Mine Drainage is not a risk for RUL. Our host has very low acid generating potential, in addition, presence of marble in our geology buffers acid neutralisation capacity.	N/A
		Protected conservation status or endangered species habitat – N/A to RUL	N/A	N/A		Biodiversity Action Plan and Biodiversity Management Plan in place	N/A
Disclose info on all Environmental Policies		Compliance	Annually	N/A		Included in annual Sustainability and Performance Report	N/A

Pillar	Topic	Measure	Internal Reporting Frequency Rate	Target – reference standard	2023	2022	Unit
Social factors	Managing Occupational Health and Safety	Musculoskeletal illnesses	Annually	0 – RUL Internal target	0	0	N/A
		Respiratory illnesses	Annually	0 – RUL Internal target	0	0	N/A
		Dermatological illnesses	Annually	0 – RUL Internal target	1	0	N/A
		Noise-induced hearing loss	Annually	0 – RUL Internal target	1	0	N/A
		All injury Frequency Rate (AIFR)	Annually	0.43 – RUL Internal target	0.36	0.43	N/A
		Number of lost day injuries	Annually	0 – RUL Internal target	3.00	3.00	N/A
		Source dust levels at fine crushing plant	Annually	0.9 – RUL Internal target	0.07	0.08	mg/m ³

