

26 October 2023

## September 2023 Quarterly Report

### Highlights

- Delivered another reduction in our TRIF to a record 1.2 at the end of the period.
- Retained Group production, cost and capital expenditure guidance for FY24.
- Increased Group copper equivalent (CuEq) production by 17% in the September Quarter to 30.8kt.
- Produced 8.0kt of Cu and 0.2Moz of Ag at our newest mine, Motheo, for CuEq production of 8.6kt.
- Operated at a record 4.6Mtpa rate in our underground mines at MATSA and produced 14.9kt of copper and 18.5kt of zinc, for CuEq production of 22.2kt.
- Benefitted from lower power consumption in our SAG mill at Motheo and better overall cost performance, with an Underlying mine operating cost of \$37/t of ore processed and an implied C1 unit cost of US\$1.65/lb achieved across the Quarter.
- Continued to mitigate cost inflation at MATSA as a modest improvement in productivity underpinned an Underlying mine operating cost of \$70/t of ore processed, notwithstanding a reduction in by-product credit revenue and a resultant increase in the operation's implied C1 unit cost to \$2.04/lb.
- Increased the Motheo Finance Facility by \$60M to \$200M to support the expansion of processing capacity to 5.2Mtpa, development of the higher grade A4 Open Pit and an increase in CuEq production at Motheo to more than 50kt in FY2025.
- Generated unaudited Group sales revenue of \$201M and Underlying Operations EBITDA of \$81M at a margin of 40% in the quarter, for Underlying Group EBITDA of \$66M.
- Settled costs associated with the wind-down of activity at DeGrussa at the end of FY2023, established finished goods inventory across the outbound logistics chain at Motheo as we ramped-up operations, and paid interest that was accrued on the MATSA Finance Facility following the successful amend and extend process, which largely accounted for a \$24M increase in Group Net Debt to \$454M.

September Quarter performance <sup>(a), (b)</sup>	YTD FY23	YTD FY24	YoY	Sep-22	Jun-23	Sep-23	QoQ
Total Copper (t)	13,747	22,987	67%	13,747	16,007	22,987	44%
Total Zinc (t)	19,535	18,453	(6%)	19,535	25,345	18,453	(27%)
Total Lead (t)	2,477	1,617	(35%)	2,477	4,080	1,617	(60%)
Total Silver (Moz)	0.6	0.8	25%	0.6	0.8	0.8	(2%)
Group Copper equivalent production (kt)	<b>21.7</b>	<b>30.8</b>	<b>42%</b>	<b>21.7</b>	<b>26.3</b>	<b>30.8</b>	<b>17%</b>
MATSA Underlying operating cost (US\$M)	85	82	(3%)	85	88	82	(7%)
Implied C1 unit cost (US\$/lb)	2.19	2.04	(7%)	2.19	1.93	2.04	6%
Motheo Underlying operating cost (US\$M)	-	28	-	-	-	28	-
Implied C1 unit cost (US\$/lb)	-	1.65	-	-	-	1.65	-
Group capital expenditure (US\$M)	<b>70</b>	<b>45</b>	<b>(35%)</b>	<b>70</b>	<b>86</b>	<b>45</b>	<b>(47%)</b>
Group Net Debt <sup>(c)</sup>	<b>375</b>	<b>454</b>	<b>(21%)</b>	<b>375</b>	<b>430</b>	<b>454</b>	<b>(6%)</b>

(a) Production refers to contained metal, continuing operations only.

(b) Unaudited financial information.

(c) Net debt excludes capitalised transaction costs, leases and revolving short-term working capital facilities.

Note. Errors may occur due to rounding. All copper equivalent (CuEq) production figures and guidance for costs, including Underlying mine operating costs and implied C1 unit costs, are a function of specific prices which can be found on page 10. Actual cost outcomes are a function of realised prices and exchange rates during the period and can be found in Appendix 1. Unless otherwise stated all currency figures are USD.

**Sandfire CEO and Managing Director, Mr Brendan Harris said:**

"We've started the year well, having delivered a further improvement in our safety performance and a 17% increase in Group copper equivalent production. The medium and long-term fundamentals for copper remain strong and we're incredibly well positioned to deliver 50% growth in copper equivalent production from continuing operations across the two years to the end of FY2025.

"We achieved a number of significant milestones at our newest mine, Motheo, during the Quarter. Commercial production was achieved in early July, only 45 days after the commencement of commissioning activities, our first shipment of copper concentrate was loaded at the port of Walvis Bay in Namibia, and initial earth works commenced at the higher grade A4 deposit following final approval of our expansion plans. The transition from our Project to Operations team has also been largely seamless as our T3 mine and adjacent processing plant achieved an annualised CuEq production run-rate of 34ktpa, or ~36ktpa when unfiltered concentrate in storage is taken into account.

"Operating performance at MATSA is also tracking to plan with annualised mining and processing rates of 4.6mtpa and 4.5mtpa, respectively, achieved in the Quarter. This has allowed us to build run-of-mine stocks on the surface and gain greater control of our processing blends, with our efforts to increase metal recoveries showing early promise.

"I am also pleased to welcome three new members to the Sandfire Executive Leadership Team. Megan Jansen joined Sandfire on 2 October and has quickly settled into her role as Chief Financial Officer, and on 4 September Cath Bozanich started as our new Chief Sustainability Officer and Victoria Twiss was promoted to the role of Chief Legal and Compliance Officer".

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**Safety**

The Total Recordable Injury Frequency (TRIF) for the Group at the end of the September 2023 Quarter was a record low 1.2 (June 2023 Quarter: 1.6).

In FY2024 we will seek to maintain record levels of safety performance by further instilling our Don't Walk Past operating philosophy and enhancing our robust hazard management systems and processes. Nothing is more important than our people going home safe and well at the end of every shift.

**Sustainability**

Our FY2023 Sustainability Report was published on 29 September 2023. This report describes how our most material sustainability issues were managed over the last 12 months and details the Company's ambitious targets for the next five years. Particular highlights from this report include our:

- Carbon abatement roadmap and new interim target to reduce Scope 1 and Scope 2 emissions by 35% by 2035;
- Power Purchase Agreement with Endesa, the largest multinational electric utility in Spain, that was finalised in FY2023 and secures long term access to zero carbon emissions power supply at MATSA; and
- Five-year biodiversity goal to demonstrate no net loss of key biodiversity values at legacy sites, and a net gain in key biodiversity values at greenfield sites.

## Operations overview

### MATSA Copper Operations, Spain

<b>MATSA Copper Operations</b> Production Statistics <sup>(a), (b)</sup>	<b>YTD</b> <b>FY23</b>	<b>YTD</b> <b>FY24</b>	<b>YoY</b>	<b>Sep-22</b> <b>Quarter</b>	<b>Jun-23</b> <b>Quarter</b>	<b>Sep-23</b> <b>Quarter</b>	<b>PcP</b>	<b>QoQ</b>
Mining (t)	1,125,250	<b>1,166,590</b>	4%	1,125,250	1,101,797	<b>1,166,590</b>	4%	6%
Milling (t)	1,077,749	<b>1,137,203</b>	6%	1,077,749	1,160,079	<b>1,137,203</b>	6%	(2%)
Concentrate (t)	122,442	<b>120,929</b>	(1%)	122,442	147,857	<b>120,929</b>	(1%)	(18%)
Contained Copper (t)	13,747	<b>14,945</b>	9%	13,747	15,189	<b>14,945</b>	9%	(2%)
Contained Zinc (t)	19,535	<b>18,453</b>	(6%)	19,535	25,345	<b>18,453</b>	(6%)	(27%)
Contained Lead (t)	2,477	<b>1,617</b>	(35%)	2,477	4,080	<b>1,617</b>	(35%)	(60%)
Contained Silver (Moz)	0.6	<b>0.6</b>	(4%)	0.6	0.6	<b>0.6</b>	(4%)	0%
Contained metal (CuEq t)	21,675	<b>22,243</b>	3%	21,675	25,475	<b>22,243</b>	3%	(13%)
Payable metal (CuEq t)	19,243	<b>19,851</b>	3%	19,263	22,466	<b>19,851</b>	3%	(12%)
Underlying operating cost <sup>(c)</sup> (US\$m)	85	<b>82</b>	(3%)	85	88	<b>82</b>	(3%)	(7%)
Implied C1 unit cost (US\$/lb)	2.19	<b>2.04</b>	(7%)	2.19	1.93	<b>2.04</b>	(7%)	6%

#### Notes:

(a) Refer to Appendix 1 for further details relating to mining, processing, sales, costs and capital expenditure.

(b) Errors may occur due to rounding. Production statistics are subject to change following reconciliation and finalisation subsequent to the end of the Quarter.

(c) Underlying mine operating cost includes costs related to mining, processing, general & administration, and transport and excludes shipping which is offset against revenue for statutory reporting purposes.

### Mining

The Aguas Teñidas and Sotiel mines performed according to expectations during the Quarter, while performance at our Magdalena mine continues to demonstrate a greater level of predictability and consistency, delivering ore production within 1% of plan for the Quarter. A number of programs designed to further improve the Net Smelter Return (NSR) from our various ore types, including a focus on dilution and recoveries, and an increase in Run of Mine (RoM) stocks, continue to be prioritised before we ultimately seek to increase the throughput rate of our centralised processing facility toward 4.7Mtpa.

### Processing

Processed tonnes in the September 2023 Quarter were slightly above plan, with lower copper production reflecting lower ore grades, consistent with the mine plan. The decrease in zinc production in the September 2023 Quarter can primarily be attributed to the resequencing and deferral of higher grade ore at the Magdalena Mine to the second half of FY2024. Copper recovery improved during the quarter, despite lower copper head grades, particularly in our Poly line where recovery increased by 5% to 73% as a number of our improvement initiatives showed early promise. Zinc recovery remained stable at 73%.

### Sales

Metal sales at MATSA were broadly aligned to metal production with 14,001t of copper, 15,064t of zinc, 1,813t of lead and 406koz of silver sold in the Quarter.

### Operating Costs

MATSA continued to mitigate the effects of inflation with Underlying mine operating costs declining by 7% from the June 2023 quarter to US\$82M as our work with major contractors delivered a modest improvement in productivity and efficiency.

As previously disclosed, during FY2023 we secured long-term power agreements with Endesa Energia (Endesa) that supply MATSA with an increasing amount of electricity from 1 January 2023. These agreements substantially reduce the operation's exposure to spot electricity prices, particularly from the commencement of CY2024, and also ensure that 100% of MATSA's electricity requirements are being met by reliable, carbon emissions free, renewable energy supply. We are also progressing the permitting process for the construction of a solar energy farm that is expected to provide dedicated, low cost, clean energy to MATSA from CY2025.

During the Quarter and following an increase in liquidity in the forward market, we chose to further reduce MATSA's exposure to spot energy prices through to the end of the coming European winter. This means that approximately 85% of our energy for the December and March Quarters has been locked in at or marginally below October average spot prices.

### **Capital expenditure**

Capital programs at MATSA progressed according to plan with \$20M invested in underground development and ventilation. A further \$9M was invested in sustaining capital items including work to progress the new tailings facility.

Regulatory approvals for the new tailings storage facility at MATSA are on track with the process progressing to the stakeholder comment review stage.

### **Motheo Copper Operations, Botswana**

Our newest mine, Motheo, achieved commercial production on 1 July 2023, only 45 days after the commencement of commissioning activities. While the operation is still ramping-up, the strong results delivered across its first full Quarter have only reinforced our belief that our strategically positioned processing hub will generate strong investment returns for our shareholders and make a significant contribution to the local community for years to come.

<b>Motheo Copper Operations</b>	<b>YTD</b>	<b>YTD</b>		<b>Sep-22</b>	<b>Jun-23</b>	<b>Sep-23</b>		
<b>Production Statistics<sup>(a), (b)</sup></b>	<b>FY23</b>	<b>FY24</b>	<b>YoY</b>	<b>Quarter</b>	<b>Quarter</b>	<b>Quarter</b>	<b>PcP</b>	<b>QoQ</b>
Mining (t)	-	1,159,887	-	-	-	1,159,887	-	-
Milling (t)	-	770,847	-	-	-	770,847	-	-
Concentrate (t)	-	27,831	-	-	-	27,831	-	-
Contained Copper (t)	-	8,042	-	-	818	8,042	-	983%
Contained Silver (Moz)	-	0.2	-	-	0.0	0.2	-	199%
Contained metal (CuEq t)	-	8,550	-	-	862	8,550	-	-
Payable metal (CuEq t)	-	8,166	-	-	-	8,166	-	-
Underlying operating cost <sup>(c)</sup> (US\$m)	-	28	-	-	-	28	-	-
Implied C1 unit cost (US\$/lb)	-	1.65	-	-	-	1.65	-	-

#### **Notes:**

- (a) Refer to Appendix 1 for further details relating to mining, processing, sales, costs and capital expenditure.
- (b) Errors may occur due to rounding. Production statistics are subject to change following reconciliation and finalisation subsequent to the end of the Quarter.
- (c) Underlying mine operating cost includes costs related to mining, processing, general & administration, transport, shipping and royalties.

### **Mining**

Pre-stripping activities commenced for Stage 1 at Motheo in the March 2022 Quarter and mining has continued to meet expectations in the September 2023 Quarter, reflecting the growing maturity of the open pit operation. Waste rock stripping of Stage 2 also commenced during the period.

### **Processing**

The rapid ramp-up of the adjacent crushing, milling and concentration circuit also tracked expectations, with the exception of the filter press where a temporary bottleneck somewhat constrained performance. This constraint was progressively alleviated during the period, as the average annualised throughput rate increased to ~3.4Mtpa in the month of September for an average annualised run-rate of 3.1Mtpa across the Quarter.

While we have confirmed that the 'front end' of the processing circuit has capacity in excess of the initial 3.2Mtpa nameplate rate, a materially lower grind size for the softer near surface ore we are currently treating has required us to take remedial action to alleviate the bottleneck in the filter press. This has included:

- Using temporary concentrate storage areas for excess concentrate slurry to enable higher mill throughput rates, which also assists in increasing grind size; and
- Maximising the capacity of the existing concentrate filter by increasing the number of plates.

We have also progressed a number of workstreams that will create temporary short-term capacity in the filter press and a permanent longer-term solution to ensure we can ramp-up the processing facility as the rapid and low-cost 5.2Mtpa expansion project is commissioned, including:

- Securing temporary, third-party mobile concentrate filtration units at incremental cost; and
- Purchasing another permanent concentrate filter to support our long-term operational requirements.

This new filter press will provide significant excess capacity at the 'back end' of our processing circuit and is being designed to manage the concentrate characteristics that our new modelling envisages. It is expected to be installed, tied in and commissioned before the end of FY2024, with the ~\$10m capital expenditure estimate for this permanent solution likely to be largely covered by the remaining project contingency.

Despite the softer nature of the ore currently being processed, the average copper head grade of 1.1% and average copper recovery of 92% for the quarter remained aligned with budget ramp-up and DFS estimates.

### **Sales**

The first shipment of concentrate was completed in September. A second shipment planned for the month was deferred into October, as Motheo progressively ramped up its outbound logistics chain during the Quarter.

### **Operating Costs**

Better than expected cost performance at Motheo in the Quarter primarily reflected lower electricity consumption in the grinding circuit (associated with the softer near surface ore), lower plant maintenance and mining costs, and the establishment of low grade stocks.

### **Motheo 5.2Mtpa Expansion**

The Botswana Department of Mines approved the Company's submission for an extension to the Motheo Mining Licence during the quarter, as announced to the Australian Securities Exchange (ASX) on 22 August 2023. This approval was the final major permitting milestone for the 5.2Mtpa Expansion Project and follows the Botswana Government's approval of the Environmental and Social Impact Assessment (ESIA) in May 2023. The \$235M A4 Mining Contract was awarded to AMS on 7 September, and early earthworks and other preparatory work commenced during the September 2023 Quarter in advance of mining activity that is scheduled to commence during the December 2023 Quarter. The A4 mine, which is located ~8km from our crushing, milling and concentration circuit, expands Motheo's mining footprint that currently encompasses the T3 Open Pit.

The rapid and low-cost expansion of Motheo's processing circuit to 5.2Mtpa continued in parallel during the period. Specific milestones included:

- The completion of all design and procurement activities; and
- Successful assembly of the new ball mill's shell and head, grouting of the base plate and lining of the trunnions in readiness for final installation.

The overall project remains on schedule and the \$397M budget (including contingency) is unchanged. The ramp-up of the expanded processing circuit to 5.2Mtpa is expected to occur in the March 2024 Quarter (as planned), while the A4 open pit is expected to provide first ore to the primary crusher and SAG mill in the September 2024 Quarter, as planned.

**FY2024 Operations Guidance Summary**

Production guidance <sup>(a)</sup>		3M		%	
	FY24	YTD	FY23	FY24	Comment
MATSA					
Copper Equivalent (~kt)	93.0	22.2	90.0	24%	
Copper (~kt)	58.0	14.9	56.0	26%	
Zinc (~kt)	88.0	18.5	86.0	21%	
Lead (~kt)	10.0	1.6	11.0	16%	
Silver (~Moz)	2.6	0.6	2.6	23%	
Motheo					
Copper Equivalent (~kt)	42.0	8.6	1.0	20%	Motheo production weighted to 2HFY24 during ramp up
Copper (~kt)	39.0	8.0	1.0	21%	
Silver (~Moz)	1.2	0.2	-	15%	
Group					
Copper Equivalent (~kt)	135.0	30.8	91.0	23%	
Copper (~kt)	97.0	22.9	57.0	24%	
Zinc (~kt)	88.0	18.5	86.0	21%	
Lead (~kt)	10.0	1.6	11.0	16%	
Silver (~Moz)	3.8	0.8	2.6	21%	

**Notes:**

(a) Refer to Appendix 1 for further details relating to mining, processing, sales, costs and capital expenditure.

Group production and cost guidance is unchanged following completion of the September 2023 Quarter. While metal production at MATSA is still expected to be relatively evenly split between H1 FY2024 and H2 FY2024, we now expect a modest skew to the second half (i.e. for an approximate 47:53 ratio). Commissioning of the new ball mill at Motheo and the ongoing ramp-up of operations means its production is expected to be weighted to H2 FY2024.

**Projects overview**
**Black Butte Copper Project, Montana, USA**

Sandfire America continued to advance its studies of the Lowry Deposit during the Quarter, while also continuing to defend the legal challenge to its permits. Refer to Sandfire America's website at [www.sandfireamerica.com](http://www.sandfireamerica.com) for additional information.

## Exploration

### **Iberian Pyrite Belt Exploration, Spain and Portugal**

Having successfully confirmed the open-ended extent of known mineralisation at San Pedro (Aguas Teñidas) to 600m (which has since been extended to 700m during the Quarter) and another 250m zone of mineralisation at Olivo (Magdalena) across the course of FY2023, our team is developing a multi-year plan designed to materially increase our reserves at MATSA. During the period, we also completed geophysical analysis of the prior 1200m hole that was drilled ~500m down plunge of the Magdalena resource to test the lateral extent of this higher grade resource that remains open to the west. This process confirmed the presence of two geophysical anomalies, being Anomaly A which is down plunge of Masa 2 and Anomaly B which is north-west of the western edge of Masa 2. Drilling is planned to test these anomalies across the remainder of FY2024.

Limited surface exploration was undertaken at MATSA beyond near mine activity with a single hole completed on the Fandango investigation permit. The summer break in drilling enabled the geological team to focus on the interpretation of the large-scale Airborne Gravity Gradiometry survey recently undertaken and the integration of this data with our 'belt scale' 3D basin model.

Sandfire's joint venture partner in Portugal, TSX-listed Avrupa Minerals Limited, continued to drill test the Sesmarias massive sulphide target within the Alvalade Project Joint Venture. Three diamond drillholes were completed for ~1,600m and encouraging results are being incorporated into the geological model.

### **Kalahari Copper Belt Exploration, Botswana and Namibia**

Work commenced on resource definition drilling at the A1 prospect, located 20km ENE from the Motheo processing plant, during the Quarter. Three drill rigs completed 28 holes for ~6,000m on a nominal 100m x 100m pattern. Seven drillholes, designed to test the up-dip extent of the mineralised fold hinge, remain in the program and will be completed in the December 2023 Quarter. This program will inform the estimation of a maiden resource for A1, which is anticipated in the March 2024 Quarter. At the completion of the A1 program, drilling activity will move to A4 to test the extent of the orebody which is open in all directions.

An Airborne Gravity Gradiometry (AGG) survey was also completed over the Ghanzi-Ngamiland block during the Quarter. This block is host to all the known copper deposits in the Kalahari Copper Belt. The AGG survey over the Okwa block also made progress during the Quarter and is now 75% complete. This is a large igneous intrusive complex which lies to the Southeast of the Kalahari Copper Belt. The survey is expected to be completed early in the December 2023 Quarter.

No work was undertaken during the Quarter on the Company's Namibian exploration tenure.

## Treasury and Corporate Development Update

### DeGrussa Copper Operations Sale Process

As previously disclosed, the Company has initiated a formal sale process to divest the DeGrussa Project, inclusive of the Old Highway Gold Project and associated Bryah Basin gold exploration tenements, the DeGrussa and Monty underground mines and associated near-mine tenements, oxide stockpiles and tailings dam mineral inventory and other property, plant and equipment.

This process may or may not result in the divestment of the project. The Company will assess potential offers and determine whether any sale would realise an acceptable commercial outcome for Sandfire and its shareholders against the next best alternative. Sandfire will continue to incur holding costs of approximately \$5M for the remainder of FY2024.

### Cash position and debt facilities

The Group's cash holding at the end of the Quarter was US\$113M for Net debt of US\$454M<sup>1</sup>. The \$24M increase in Net debt during the Quarter primarily reflected the settlement of costs incurred at DeGrussa as we wound down activity at the end of FY2023, the establishment of finished goods inventory across the outbound logistics chain at Motheo as we ramped-up operations, and the payment of interest that was accrued on the MATSA Finance Facility following the successful amend and extend process. The Group also repaid \$5M of MATSA debt according to the accelerated repayment mechanism that is embedded in the banking facilities.

The planned US\$60M uplift of the Motheo Finance Facility to US\$200M to support development of the A4 open pit and the expansion of the operation's processing facility to 5.2Mtpa was completed during the Quarter, as announced to the ASX on 14 September. The Facility maintains its overall 7-year tenure to June 2029 and the first US\$20M drawdown occurred in early October. The expanded syndicate consists of Nedbank, Société Générale, Natixis CIB and ING. The overall project will be partially funded by the cash flows that are being generated by the initial 3.2Mtpa development.

### Hedging

	Copper				Zinc			
	FY24	FY25	FY26	TOTAL	FY24	FY25	FY26	TOTAL
Historical Sales - Quotational Period (t)	10,191	-	-	<b>10,191</b>	6,552	-	-	<b>6,552</b>
Historical Sales - Quotational Period (\$/t)	8,653	-	-	8,653	2,738	-	-	<b>2,738</b>
Future Sales (t)	12,384	19,244	10,644	<b>42,272</b>	14,700	15,010	-	<b>29,710</b>
Future Sales (\$/t)	9,068	<b>8,682</b>	8,339	8,709	2,682	<b>2,498</b>	-	<b>2,589</b>
Total (t)	<b>22,575</b>	<b>19,244</b>	<b>10,644</b>	<b>52,463</b>	<b>21,252</b>	<b>15,010</b>	-	<b>36,262</b>
Total (\$/t)	8,881	<b>8,682</b>	8,339	8,698	2,700	<b>2,498</b>	-	<b>2,616</b>

<sup>1</sup> Net debt presented is unaudited and excludes capitalised transaction costs, leases and revolving short-term working capital facilities.

A summary of the Group's guidance for FY2024 follows below.

<b>FY24 Guidance (September-23 Quarter)</b>	<b>MATSA</b>	<b>Motheo</b>	<b>Corporate and Other</b>	<b>Group<sup>a</sup></b>
<b>Production</b>				
Ore processed (Mt)	4.5 (1.1)	4.1 (0.8)		8.6 (1.9)
Copper (kt contained)	58 (15)	39 (8)		97 (23)
Zinc (kt contained)	88 (18)	- (-)		88 (18)
Lead (kt contained)	10 (1.6)	- (-)		10 (1.6)
Silver (Moz contained)	2.6 (0.6)	1.2 (0.2)		3.8 (0.8)
Copper Equivalent <sup>b</sup> (kt contained)	93 (22)	42 (8.6)		135 (31)
<b>Operating cost</b>				
Underlying mine operating cost (US\$M)	352 (82)	169 (28)		521 (111)
Underlying mine operating costs (US\$/t processed) <sup>c</sup>	78 (70)	41 (37)		
Implied C1 cost (US\$/lb)	1.93 (2.04)	1.81 (1.65)		
D&A (US\$M)	235 (58)	45 (13)		280 (71)
Corporate G&A (US\$M)			37 (10)	37 (10)
Underlying Exploration & evaluation (US\$M) <sup>d</sup>	9 (1)	8 (2)	15 (3)	32 (5)
<b>Capital expenditure (US\$M)</b>				
<u>Current operations</u>				
Mine development & deferred waste stripping	91 (20)	58 (2)		149 (22)
Sustaining and Strategic	26 (9)	33 (4)		59 (14)
<u>Projects under construction and development</u>				
Motheo development capital - T3 & 3.2Mtpa		12 (5)		12 (5)
Motheo development capital - A4 and 5.2Mtpa		35 (4)		35 (4)
<b>Total Capital expenditure</b>	<b>117 (29)</b>	<b>138 (16)</b>		<b>255 (45)</b>

**Notes:**

- (a) Continuing operations (excluding DeGrussa).
- (b) All copper equivalent (CuEq) production figures and guidance for costs, including Underlying mine operating costs and implied C1 unit costs, are a function of specific prices which can be found on page 10. Actual cost outcomes are a function of realised prices and exchange rates during the period and can be found in Appendix 1.
- (c) MATSA: Includes costs related to mining, processing, general & administration and transport, and excludes shipping costs which are offset against sales revenue for statutory reporting purposes. Motheo: Includes costs related to mining, processing, general & administration, transport (including shipping) and royalties.
- (d) Includes exploration outside the mine halo and does not include infill and resource drilling.

**- ENDS -**

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**This announcement is authorised for release by Sandfire's Managing Director and CEO, Brendan Harris.**

**Important information and disclaimers****Exploration Results**

The information in this report that relates to Exploration Results, is based on, and fairly represents, information and supporting documentation prepared by Mr Richard Holmes who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Holmes is a permanent employee of Sandfire and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Holmes consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

**Forward-Looking Statements**

Certain statements made during or in connection with this release contain or comprise certain forward-looking statements regarding Sandfire's Mineral Resources and Reserves, exploration and project development operations, production rates, life of mine, projected cash flow, capital expenditure, operating costs and other economic performance and financial condition as well as general market outlook. Although Sandfire believes that the expectations reflected in such forward-looking statements are reasonable, such expectations are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results, performance or achievements to differ materially from those expressed, implied or projected in any forward looking statements and no assurance can be given that such expectations will prove to have been correct.

Accordingly, results could differ materially from those set out in the forward-looking statements as a result of, among other factors, changes in economic and market conditions, delays or changes in project development, success of business and operating initiatives, changes in the regulatory environment and other government actions, fluctuations in metals prices and exchange rates and business and operational risk management.

Except for statutory liability which cannot be excluded, each of Sandfire, its officers, employees and advisors expressly disclaim any responsibility for the accuracy or completeness of the material contained in these forward-looking statements and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in forward-looking statements or any error or omission. Sandfire undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events other than required by the Corporations Act and ASX Listing Rules. Accordingly, you should not place undue reliance on any forward-looking statement.

**Copper equivalent calculation**

Copper Equivalent (CuEq) is calculated based on JUN23 average market price in USD. Source: WM/Reuters; Assumptions: Cu US\$8,386/t, Zn US\$2,368/t, Pb US\$2,118/t, Ag US\$23/oz. Guidance for Payable Metal is based on current commercial terms.

**ASX releases referred to in this announcement:**

'Sandfire publishes FY23 Sustainability Report' released to the ASX on 29 September 2023.

'Sandfire completes Motheo project finance facility uplift' released to the ASX on 14 September 2023.

'Sandfire secures Mining Licence Extension - Motheo', released to the ASX on 22 August 2023.

**SFR Mineral Resources and Ore Reserves estimates**

The information in this announcement that relates to SFR's Mineral Resources or Ore Reserves is extracted from SFR's ASX releases and is available at <https://www.sandfire.com.au/where-we-operate/mineral-resources-and-ore-reserves/> OR [www.asx.com.au](http://www.asx.com.au).

SFR confirms that it is not aware of any new information or data that materially affects the information included in the respective relevant market announcements and that all material assumptions and technical parameters underpinning the estimates in the respective relevant market announcement continue to apply and have not materially changed.

**Appendix 1 - September 2023 Quarterly Data Table**

MATSA Operating Physicals	3M YTD FY23	3M YTD FY24	Q1 FY23	Q2 FY23	Q3 FY23	Q4 FY23	Q1 FY24	Guidance FY24
<b>Mine Production</b>								
<b>Aguas Tenidas Mine</b>								
Ore (t)	525,463	<b>524,574</b>	525,463	490,566	506,654	512,899	<b>524,574</b>	2,050,000
Ore - Cu (t)	233,656	<b>143,033</b>	233,656	124,478	169,730	142,694	<b>143,033</b>	550,000
Grade - Cu (%)	1.3%	<b>1.1%</b>	1.3%	1.5%	1.8%	1.6%	<b>1.1%</b>	1.1%
Ore - Poly (t)	291,808	<b>381,541</b>	291,808	366,088	336,924	370,205	<b>381,541</b>	1,500,000
Grade - Poly Cu (%)	1.3%	<b>1.5%</b>	1.3%	1.6%	1.5%	1.3%	<b>1.5%</b>	1.2%
Grade - Poly Zn (%)	3.2%	<b>3.0%</b>	3.2%	3.7%	3.0%	4.3%	<b>3.0%</b>	3.3%
<b>Magdalena Mine</b>								
Ore (t)	483,939	<b>517,415</b>	483,939	448,622	476,176	458,803	<b>517,415</b>	2,050,000
Ore - Cu (t)	176,398	<b>131,554</b>	176,398	29,864	133,106	110,512	<b>131,554</b>	550,000
Grade - Cu (%)	1.2%	<b>1.9%</b>	1.2%	1.0%	1.6%	2.0%	<b>1.9%</b>	2.0%
Ore - Poly (t)	307,541	<b>385,861</b>	307,541	418,758	343,069	348,291	<b>385,861</b>	1,500,000
Grade - Poly Cu (%)	2.4%	<b>2.1%</b>	2.4%	1.9%	2.5%	2.5%	<b>2.1%</b>	2.4%
Grade - Poly Zn (%)	5.2%	<b>3.3%</b>	5.2%	3.2%	5.3%	4.6%	<b>3.3%</b>	4.4%
<b>Sotiel Mine</b>								
Ore (t)	115,847	<b>124,601</b>	115,847	113,772	123,564	130,095	<b>124,601</b>	500,000
Ore - Cu (t)	46,630	<b>66,163</b>	46,630	51,119	59,665	57,241	<b>66,163</b>	200,000
Grade - Cu (%)	3.0%	<b>2.3%</b>	3.0%	2.3%	1.8%	2.8%	<b>2.3%</b>	2.5%
Ore - Poly (t)	69,217	<b>58,438</b>	69,217	62,653	63,898	72,853	<b>58,438</b>	300,000
Grade - Poly Cu (%)	0.8%	<b>0.6%</b>	0.8%	0.8%	1.0%	1.0%	<b>0.6%</b>	0.9%
Grade - Poly Zn (%)	3.0%	<b>3.2%</b>	3.0%	3.1%	3.0%	3.0%	<b>3.2%</b>	1.5%
<b>Total</b>								
Ore (t)	1,125,250	<b>1,166,590</b>	1,125,250	1,052,960	1,106,393	1,101,797	<b>1,166,590</b>	4,600,000
Ore - Cu (t)	456,684	<b>340,750</b>	456,684	205,461	362,502	310,448	<b>340,750</b>	1,300,000
Grade - Cu (%)	1.4%	<b>1.6%</b>	1.4%	1.6%	1.7%	2.0%	<b>1.6%</b>	1.7%
Ore - Poly (t)	668,566	<b>825,840</b>	668,566	847,499	743,892	791,349	<b>825,840</b>	3,300,000
Grade - Poly Cu (%)	1.7%	<b>1.7%</b>	1.7%	1.7%	1.9%	1.8%	<b>1.7%</b>	1.8%
Grade - Poly Zn (%)	4.1%	<b>3.2%</b>	4.1%	3.4%	4.0%	4.3%	<b>3.2%</b>	3.6%
<b>Production</b>								
<b>Processed Ore</b>								
Ore (t)	1,077,749	<b>1,137,203</b>	1,077,749	1,052,853	1,104,644	1,160,079	<b>1,137,203</b>	4,500,000
Ore - Cu (t)	408,991	<b>343,738</b>	408,991	291,137	324,848	329,459	<b>343,738</b>	1,200,000
Grade - Cu (%)	1.7%	<b>1.6%</b>	1.7%	1.5%	1.8%	1.9%	<b>1.6%</b>	1.7%
Ore - Poly (t)	668,758	<b>793,466</b>	668,758	761,716	779,796	830,620	<b>793,466</b>	3,300,000
Grade - Poly Cu (%)	1.7%	<b>1.8%</b>	1.7%	1.7%	1.8%	1.8%	<b>1.8%</b>	1.8%
Grade - Poly Zn (%)	4.1%	<b>3.2%</b>	4.1%	3.6%	3.8%	4.2%	<b>3.2%</b>	3.6%
<b>Concentrate Production</b>								
<b>Cu-Cu</b>								
Recovery (%)	84%	<b>85%</b>	84%	83%	85%	83%	<b>85%</b>	86%
Concentrate (t)	26,987	<b>22,954</b>	26,987	16,330	23,234	25,181	<b>22,954</b>	80,000
Concentrate Grade (%)	21%	<b>21%</b>	21%	22%	21%	21%	<b>21%</b>	22%
<b>Cu-Poly</b>								
Recovery (%)	69%	<b>73%</b>	69%	69%	67%	67%	<b>73%</b>	73%
Concentrate (t)	42,056	<b>51,458</b>	42,056	44,967	45,281	49,716	<b>51,458</b>	200,000
Concentrate Grade (%)	19%	<b>20%</b>	19%	20%	20%	20%	<b>20%</b>	20%

MATSA Operating Physicals	3M YTD FY23	3M YTD FY24	Q1 FY23	Q2 FY23	Q3 FY23	Q4 FY23	Q1 FY24	Guidance FY24
<b>Concentrate Production</b>								
<b>Zn</b>								
Recovery (%)	72%	<b>73%</b>	72%	73%	72%	73%	<b>73%</b>	75%
Concentrate (t)	41,401	<b>39,222</b>	41,401	42,277	45,490	53,813	<b>39,222</b>	190,000
Concentrate Grade (%)	47%	<b>47%</b>	47%	47%	47%	47%	<b>47%</b>	47%
<b>Pb</b>								
Recovery (%)	29%	<b>20%</b>	29%	22%	24%	35%	<b>20%</b>	32%
Concentrate (t)	11,998	<b>7,295</b>	11,998	8,201	8,823	19,147	<b>7,295</b>	40,000
Concentrate Grade (%)	21%	<b>22%</b>	21%	23%	26%	21%	<b>22%</b>	25%
<b>Metal Production</b>								
<b>Contained</b>								
Cu Eq (t)	21,675	22,243	21,675	20,384	22,577	25,475	22,243	93,000
Cu (t)	13,747	<b>14,945</b>	13,747	12,688	14,113	15,189	<b>14,945</b>	58,000
Zn (t)	19,535	<b>18,453</b>	19,535	19,755	21,294	25,345	<b>18,453</b>	88,000
Pb (t)	2,477	<b>1,617</b>	2,477	1,921	2,269	4,080	<b>1,617</b>	10,000
Ag (koz)	640	<b>601</b>	640	585	673	752	<b>601</b>	2,600
<b>Payable</b>								
Cu (t)	13,057	<b>14,121</b>	13,057	12,075	13,428	14,361	<b>14,121</b>	55,000
Zn (t)	16,223	<b>15,285</b>	16,223	16,373	17,655	20,998	<b>15,285</b>	73,000
Pb (t)	2,117	<b>1,396</b>	2,117	1,675	2,004	3,498	<b>1,396</b>	9,000
Ag (koz)	404	<b>380</b>	404	365	433	463	<b>380</b>	1,600
<b>Metal Sales</b>								
<b>Sold Payable</b>								
Cu (t)	13,090	<b>14,001</b>	13,090	11,929	13,550	14,313	<b>14,001</b>	55,000
Zn (t)	16,439	<b>15,064</b>	16,439	16,374	16,864	21,658	<b>15,064</b>	73,000
Pb (t)	1,212	<b>1,813</b>	1,212	2,913	1,940	3,008	<b>1,813</b>	9,000
Au (oz)	280	<b>292</b>	280	464	387	828	<b>292</b>	
Ag (koz)	337	<b>406</b>	337	471	441	446	<b>406</b>	1,600
<b>Price achieved</b>								
Cu (US\$/t)	7,582	<b>8,485</b>	7,582	9,154	9,105	8,453	<b>8,485</b>	-
Zn (US\$/t)	3,007	<b>2,545</b>	3,007	2,966	3,005	2,443	<b>2,545</b>	-
Pb (US\$/t)	1,484	<b>1,929</b>	1,484	2,559	1,669	2,038	<b>1,929</b>	-
Ag (US\$/oz)	20	<b>24</b>	20	22	23	22	<b>24</b>	-
<b>MATSA - Operating Costs</b>								
US\$M (unaudited)								
Mining	44	<b>47</b>	44	43	44	52	<b>47</b>	189
Processing	29	<b>21</b>	29	23	22	21	<b>21</b>	95
G&A	8	<b>9</b>	8	9	10	10	<b>9</b>	44
Transport	14	<b>9</b>	14	13	15	9	<b>9</b>	45
TCRC (inc. Penalties)	10	<b>14</b>	10	9	14	15	<b>14</b>	45
<b>Gross Operating Costs</b>	105	<b>100</b>	105	97	104	106	<b>100</b>	418
By-product Revenue	(58)	<b>(52)</b>	(58)	(67)	(64)	(71)	<b>(52)</b>	(264)
By-product Transport	5	<b>4</b>	5	7	6	6	<b>4</b>	24
By-Product TCRC	11	<b>12</b>	11	13	13	18	<b>12</b>	60
<b>Net By-Product Credit</b>	(42)	<b>(36)</b>	(42)	(48)	(45)	(46)	<b>(36)</b>	(180)
<b>Total</b>	63	<b>64</b>	63	49	59	60	<b>64</b>	238
<b>Operating Cost</b>								
Underlying mine operating costs (US\$M)	85	<b>82</b>	85	78	84	88	<b>82</b>	352
Underlying mine operating costs (US\$/t)	79	<b>70</b>	79	74	76	76	<b>70</b>	78

MATSA Operating Costs	3M YTD FY23	3M YTD FY24	Q1 FY23	Q2 FY23	Q3 FY23	Q4 FY23	Q1 FY24	Guidance FY24
<b>C1 US\$/lb (unaudited)</b>								
Mining	1.53	1.52	1.53	1.63	1.49	1.65	1.52	1.54
Processing	1.00	0.67	1.00	0.85	0.73	0.68	0.67	0.77
G&A	0.29	0.29	0.29	0.34	0.35	0.33	0.29	0.36
Transport	0.49	0.28	0.49	0.51	0.49	0.28	0.28	0.37
TCRC (inc. Penalties)	0.35	0.45	0.35	0.35	0.47	0.46	0.45	0.37
<b>Gross Operating Costs</b>	3.66	3.20	3.66	3.68	3.53	3.40	3.20	3.40
By-product Revenue	(2.02)	(1.69)	(2.02)	(2.55)	(2.16)	(2.24)	(1.69)	(2.16)
By-product Transport	0.18	0.13	0.18	0.25	0.21	0.19	0.13	0.20
By-Product TCRC	0.37	0.40	0.37	0.48	0.43	0.58	0.40	0.49
<b>Net By-Product Credit</b>	(1.47)	(1.16)	(1.47)	(1.83)	(1.53)	(1.47)	(1.16)	(1.47)
<b>Total</b>	2.19	2.04	2.19	1.85	2.00	1.93	2.04	1.93
<b>MATSA - Capital Expenditure (US\$M)</b>								
Mine Development	18	20	18	19	22	22	20	91
Sustaining	5	9	5	7	8	15	9	26
<b>Total</b>	23	29	23	26	30	38	29	117
<b>Mothéo Operating Physicals</b>								
<b>Mine Production</b>								
<b>Mining - ROM Ore</b>								
Ore (t)	-	777,842	-	5,883	185,334	260,770	777,842	2,900,000
Cu Grade (%)	-	1.1%	-	1.3%	1.0%	1.1%	1.1%	1.3%
Ag Grade (g/t)	-	9	-	12.7	5.8	8.8	9.0	14.1
<b>Mining - LG Stockpiles</b>								
Ore (t)	-	382,045	-	55,239	272,179	294,270	382,045	1,700,000
Cu Grade (%)	-	0.5%	-	0.7%	0.5%	0.5%	0.5%	0.5%
Ag Grade (g/t)	-	4.3	-	5.2	4.4	4.6	4.3	3.7
<b>T3</b>								
Ore (t)	-	1,159,887	-	61,122	457,513	555,040	1,159,887	4,600,000
Ore Mined (BCM)	-	413,630	-	-	-	-	413,630	1,600,000
Waste Mined (BCM)	3,130,118	2,513,986	3,130,118	3,499,738	2,945,964	2,900,269	2,513,986	10,700,000
Strip Ratio - Waste:Ore (BCM)	-	6:1	-	-	-	-	6:1	6:1
Cu Grade (%)	-	0.9%	-	0.8%	0.7%	0.8%	0.9%	1.0%
Ag Grade (g/t)	-	7.0	-	5.9	5.0	6.6	7.0	10.5
<b>A4</b>								
Ore (t)	-	-	-	-	-	-	-	-
Ore Mined (BCM)	-	-	-	-	-	-	-	-
Waste Mined (BCM)	-	-	-	-	-	-	-	4,300,000
Strip Ratio - Waste:Ore (BCM)	-	-	-	-	-	-	-	nm
Cu Grade (%)	-	-	-	-	-	-	-	-
Ag Grade (g/t)	-	-	-	-	-	-	-	-
<b>Production</b>								
<b>Processed Ore</b>								
Ore (t)	-	770,847	-	-	-	199,700	770,847	4,080,000
Cu Grade (%)	-	1.1%	-	-	-	0.6%	1.1%	1.1%
Ag Grade (g/t)	-	9.0	-	-	-	4.7	9.0	10.9
<b>Concentrate Production</b>								
Concentrate (t)	-	27,831	-	-	-	2,666	27,831	140,000
Cu Recovery (%)	-	91.7%	-	-	-	69%	91.7%	92%
Ag Recovery (%)	-	81.2%	-	-	-	51%	81.2%	88%
Cu Grade (%)	-	28.9%	-	-	-	31%	28.9%	28%
Ag Grade (g/t)	-	204	-	-	-	183	204	262

Motheo Operating Physicals	3M YTD FY23	3M YTD FY24	Q1 FY23	Q2 FY23	Q3 FY23	Q4 FY23	Q1 FY24	Guidance FY24
<b>Metal Production</b>								
<b>Contained</b>								
Cu Eq (t)	-	8,550	-	-	-	862	8,550	42,000
Cu (t)	-	8,042	-	-	-	818	8,042	39,000
Ag (koz)	-	182	-	-	-	16	182	1,200
<b>Payable</b>								
Cu (t)	-	7,708	-	-	-	786	7,708	37,000
Ag (koz)	-	164	-	-	-	14	164	1,100
<b>Metal Sales</b>								
<b>Sold Payable</b>								
Cu (t)	-	4,387	-	-	-	-	4,387	-
Ag (koz)	-	88	-	-	-	-	88	-
<b>Price achieved</b>								
Cu (US\$/t)	-	8,199	-	-	-	-	8,199	-
Ag (US\$/oz)	-	22	-	-	-	-	22	-
<b>Motheo - Operating Costs US\$M (unaudited)</b>								
Mining	-	15	-	-	-	-	15	84
Processing	-	5	-	-	-	-	5	33
G&A	-	4	-	-	-	-	4	18
Transport	-	3	-	-	-	-	3	25
TCRC (inc. Penalties)	-	2	-	-	-	-	2	17
Gross Operating Costs	-	29	-	-	-	-	29	176
By-product Revenue	-	(2)	-	-	-	-	(2)	(22)
By-product Transport	-	0	-	-	-	-	0	0
By-Product TCRC	-	0	-	-	-	-	0	0
Net By-Product Credit	-	(2)	-	-	-	-	(2)	(22)
Total	-	27	-	-	-	-	27	154
<b>Operating Cost</b>								
Underlying mine operating costs (US\$M)	-	28	-	-	-	-	28	169
Underlying mine operating costs (US\$/t)	-	37	-	-	-	-	37	41
<b>C1 US\$/lb (unaudited)</b>								
Mining	-	0.89	-	-	-	-	0.89	0.97
Processing	-	0.27	-	-	-	-	0.27	0.38
G&A	-	0.21	-	-	-	-	0.21	0.21
Transport	-	0.25	-	-	-	-	0.25	0.33
TCRC (inc. Penalties)	-	0.23	-	-	-	-	0.23	0.23
Gross Operating Costs	-	1.85	-	-	-	-	1.85	2.12
By-product Revenue	-	(0.20)	-	-	-	-	(0.20)	(0.31)
By-product Transport	-	0.00	-	-	-	-	0.00	0.00
By-Product TCRC	-	0.00	-	-	-	-	0.00	0.00
Net By-Product Credit	-	(0.20)	-	-	-	-	(0.20)	(0.31)
Total	-	1.65	-	-	-	-	1.65	1.81
<b>Motheo - Capital Expenditure (US\$M)</b>								
Deferred Waste Stripping	0	2	0	0	0	0	2	58
Construction & development	47	10	47	63	49	48	10	47
Sustaining & Strategic	0	4	0	0	0	0	4	33
Total	47	16	47	63	49	48	16	138