ASX ANNOUNCEMENT **30 APRIL 2024**

QUARTERLY ACTIVITIES REPORT

Period ending 31 March 2024

HIGHLIGHTS

The Australian Vanadium Project

- AVL implemented its merger with Technology Metals Australia Limited on 1 February 2024, integrating two adjoining projects on one contiguous orebody.
- Following completion of the merger, AVL accelerated work to combine the projects, including:
  - Commenced an optimised feasibility study focused on realising the potential economic benefits of an integrated project, including trade-off studies to determine the preferred project development pathway, mine scheduling and processing plant location.
  - Completed metallurgical testwork confirming average vanadium concentrate grades of up to 1.6% V_2O_5, suggesting a single high-grade project can be delivered from the combined projects.
  - Completed pilot scale testwork achieving 99.9% ultra-high purity V_2O_5 for specialty chemical, aerospace and defence applications.

Vanadium in energy storage

- AVL's electrolyte manufacturing facility located in Perth, Western Australia, has delivered operational milestones including:
  - Successfully produced vanadium electrolyte for use in vanadium flow batteries (VFBs).
  - Independent testing confirmed that the vanadium electrolyte produced complies with typical specifications required by VFB manufacturers.
- The facility has been designed to produce annual quantities of high purity electrolyte equivalent to 33MWh of battery energy storage capacity.
- The VFB purchased for a VSUN Energy project with customer Horizon Power arrived in Australia and is undergoing factory acceptance testing.

Corporate

- No lost time injuries or reportable environmental incidents were recorded during the quarter.
- Appointment of Jo Gaines as a Non-Executive Director.
- Effective prior to ASX market opening on 18 March 2024, AVL was included in the Standard & Poors (S&P)/ASX All Ordinaries Index.
- **Cash position of $24.9 million** as at 31 March 2024, including restricted cash of $0.4 million.

Management Comment, CEO, Graham Arvidson

"AVL made great progress during the quarter across the vanadium value chain, focusing efforts on integrating the merged projects. We are pleased to have commenced an optimised feasibility study to maximise the economic benefits from the now unconstrained orebody resulting from the merger. The metallurgical testwork conducted during the period has reinforced our confidence for a long-life,

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high-grade project in the southern areas of the deposit. The combined project promises to deliver a material increase in value for our shareholders.

"This quarter marked a transformative step toward AVL's goal of creating an Australian vertically integrated VFB supply chain. We successfully completed the commissioning of our 33MWh vanadium electrolyte manufacturing facility, achieving our first production of vanadium electrolyte. Our team's commitment to excellence in design, construction and operation of the facility has culminated in the production of battery-ready electrolyte, another significant milestone for AVL. With this achievement, we are positioned to become the leading supplier of locally produced vanadium electrolyte, ready to deliver to the rapidly growing VFB market in Australia.

"Our wholly owned subsidiary, VSUN Energy, continues to deliver on existing VFB projects and is strategically positioned to play a leading role in VFB deployment in Australia. We are witnessing an accelerating adoption of this mature and commercialised technology, which is increasingly recognised as the preferred solution to the rapidly growing long duration energy storage market."

Activities for the quarter ended 31 March 2024 for the Company are as follows:

THE AUSTRALIAN VANADIUM PROJECT

Figure 1 – Australian Vanadium Project Location

Successful implementation of merger to deliver one project

On 1 February 2024, AVL completed its merger with Technology Metals Australia Limited (TMT), integrating two adjoining projects on one contiguous orebody and thereby creating one of the largest and most advanced vanadium development projects in the world.[1]

[1] See ASX announcement dated 1 February 2024 *'Successful Implementation of AVL and TMT Merger'*

This strategic consolidation propels AVL towards becoming a global leader in the vanadium supply chain and unlocks the potential for substantial benefits to shareholders.

Following the merger, AVL has accelerated its work on the integration of the projects and is actively evaluating project enhancement opportunities and development strategies which can now be unlocked by the removal of the historic tenure constraints.

Optimised Feasibility Study

A critical action in harnessing the benefits of the merger is AVL's engagement of Wood Group to conduct an Optimised Feasibility Study (OFS) for the integrated project.[2]

AVL has been working closely with Wood Group to focus the OFS on realising the economic benefits of a single project on the orebody, with key work streams including:

- optimisation of mining and processing schedules;
- enhancing processing steps;
- maximising concentrate quality and coproduct outcomes;
- rationalisation of plant and infrastructure to optimise capital expenditure;
- improving potential revenue by reducing operating costs; and
- confirming the most economic vanadium, titanium and magnetite products.

The first phase of the OFS that will finalise trade off studies and inform the preferred project development pathway for the Project is expected to be completed within the June quarter of 2024.

Higher vanadium and iron concentrate grades in southern part of orebody

In the quarter, AVL reported an early significant finding from the work forming part of the OFS.[3] Metallurgical testwork has confirmed a trend of higher grades of vanadium and iron concentrates in the southern part of the combined project. This area spans what was formerly the boundary between pre-merger tenements. The testwork also supports further investigation of a commercial scale ilmenite product. These outcomes highlight a major potential advantage stemming from the merger.

The metallurgical testwork was performed on fresh rock samples from high-grade mineralisation areas located on Block 70 of the orebody which surrounds the previously landlocked Yarrabubba deposit (now AVL's Block 80).

Davis Tube Recovery (DTR) testwork completed by AVL shows that magnetic vanadium concentrate grades in Block 70 range between 1.45% and 1.55% V_2O_5, comparable to the grades in Block 80 which generally range between 1.50% and 1.65% V_2O_5.[4] For comparison, the AVL Bankable Feasibility Study used a vanadium concentrate grade of 1.39% V_2O_5.[5]

Furthermore, the DTR testwork shows concentrate iron (Fe%) grades that were frequently over 60% in the Block 70 and Block 80 concentrates.

The Yarrabubba deposit was previously constrained by the AVL tenements, and the merger has now unlocked this new opportunity and delivered the opportunity for significant gains from optimised mining and processing of the southern areas of the deposit.

[2] See ASX announcement dated 1 February 2024 *'Successful Implementation of AVL and TMT Merger'*
[3] See ASX announcement dated 11 March 2024 *'Higher Vanadium and Iron Concentrate Grades Highlighted in Testwork'*
[4] See Technology Metals Australia ASX announcement dated 5 August 2022 *'MTMP Mine Life Increased to 25 Years'*
[5] See ASX announcement dated 6 April 2022 *'Bankable Feasibility Study for the Australian Vanadium Project'*

The team will continue to use this testwork within the broader OFS work streams, with the aim of improving the economics of the combined project via reduced capital and operating costs, which is expected to deliver a material increase in shareholder value.

Ultra-high purity 99.9% vanadium pentoxide produced

During the quarter, AVL also announced the results of its pilot testwork on ore from the project, which produced a greater than 99.9% purity vanadium pentoxide.[6] The ultra-high purity flowsheet provides a scalable 'bolt-on' option to produce ultra-high purity vanadium oxides which has the potential to demand a premium price.

Ultra-high purity vanadium pentoxide is critical in applications where even the smallest impurities can significantly affect performance, such as the chemical industry and specialty alloys for the aerospace industry, including defence. These growing market segments demand higher purity levels. AVL has identified the importance of satisfying this expanding market, in addition to other steel and battery markets which can use the Company's standard 99.5% purity level.

Other significant activities

With the merger now behind the Company, AVL has recommitted to its strategic objective of developing a low operating cost vanadium project and delivering value to shareholders through a profitable operation.

In addition to the OFS, during the quarter AVL has done extensive work on:

- finalising a new mineral resource estimate for the combined project which is expected to be completed shortly;
- proactively pursuing potential equity and debt funders for the combined project, including continued engagement with agencies such as the Northern Australia Infrastructure Facility (NAIF) and Export Finance Australia (EFA);
- maximising the benefits from the $49 million government grant received from the Commonwealth[7] and exploring further scope to utilise other grant opportunities;
- seeking commitments with potential offtake clients for vanadium, ilmenite and iron titanium products from the combined project;
- conducting extensive work to progress environmental approvals for the combined project;
- continuing to develop our strong relationship with the Traditional Owners of the lands on which the project will be developed;
- completing other regulatory and permitting requirements; and
- developing a sustainability strategy that ensures positive outcomes for the environment and the community.

VANADIUM IN ENERGY STORAGE

Vanadium electrolyte produced at AVL's manufacturing facility

AVL completed the construction of its vanadium electrolyte manufacturing facility (Facility) in December 2023,[8] which was officially opened by the Federal Resources Minister, the Hon.

[6] See ASX announcement dated 25 March 2024 *'Achievement of Ultra-High Purity 99.9% Vanadium Product'*
[7] See ASX announcement dated 30 May 2023 *'$49 Million Government Grant Agreement Executed'*
[8] See ASX announcement dated 15 December 2023 *'Vanadium Electrolyte Facility Construction Complete'*

Madeleine King MP, on 17 January 2024.

The Facility, located in the northern suburbs of Perth, has been designed to produce up to 33MWh per year of high purity electrolyte for VFBs. The construction of the Facility was supported by the majority of a $3.69 million Australian Government Modern Manufacturing Initiative grant awarded to AVL[9] and demonstrates the value of investing in domestic downstream processing capability, allowing more value from Western Australia's battery mineral endowment to be captured and retained in Australia.

During the March quarter, AVL successfully produced its first high purity vanadium electrolyte for use in vanadium flow batteries at the Facility.[10] Independent testing shows that the vanadium electrolyte complies with typical specifications required by vanadium flow battery manufacturers.

The successful establishment of the Facility is an important milestone for AVL and the development of industries to support Australia's long-term carbon emission reduction plans.

Figure 2 – Ben Davis and Haley Knighten Criss (U.S. Vanadium) and Flormirza Cabalteja (AVL) with first vanadium electrolyte samples

Horizon Power VFB purchase for Kununurra

In July 2023, VSUN Energy signed an agreement with Western Australia's regional energy provider, Horizon Power, for the purchase, installation and commissioning of a VFB for a long duration energy storage pilot in regional Western Australia.[11]

The 220kWh VFB has been sourced from leading global VFB manufacturer Invinity Energy Systems plc, which is listed on the London Stock Exchange's AIM market (AIM: IES).

The battery has arrived in Western Australia and factory acceptance is being undertaken in conjunction with Horizon Power.[12] After final project components are received by Horizon Power, the battery will be deployed to a site in Kununurra for VSUN Energy to install and commission.

[9] See ASX announcement dated 22 July 2021 *'AVL Awarded $3.69M Federal Government Manufacturing Grant'*
[10] See ASX announcement dated 19 March 2024 *'Battery Ready Vanadium Electrolyte Produced'*
[11] See ASX announcement dated 28 July 2023 *'Horizon Power Purchases VFB for Long Duration Storage Pilot'*
[12] See ASX announcement dated 8 January 2024 *'Horizon Power Vanadium Flow Battery Arrives in WA'*

It is intended that the VFB will be used for Horizon Power's long duration energy storage pilot, with the aim to increase understanding of how this technology can provide long periods of 100% renewable energy supply in regional and remote energy systems across Western Australia.

CORPORATE

Merger with Technology Metals Australia Limited

As mentioned above, the merger between AVL and TMT was a key event in the March quarter. In addition to the project activities resulting from the merger, it has also required significant corporate activities.

AVL and TMT announced the proposed merger on 25 September 2023 under which AVL would acquire 100% of the shares in TMT via a scheme of arrangement (Scheme). The Scheme was approved by TMT shareholders on 16 January 2024, approved by the Supreme Court of Western Australia on 19 January 2024 and became effective on 22 January 2024. The Scheme was implemented on 1 February 2024.

A review of consultants and suppliers for the companies was undertaken across all disciplines, including IT, marketing and debt advisory services, ensuring the most appropriate providers were retained.

Director Appointment

As a consequence of the merger, Ms Jo Gaines (previously a Non-Executive Director of TMT) was appointed as a Non-Executive Director of AVL, with effect from 1 February 2024. Ms Gaines' experience in working with both State and Federal governments has proven to be invaluable to the Company as AVL continues to progress approvals and financing of the project. The Company is increasingly recognising the need for strong strategic relationships with various government bodies, especially as part of the value proposition for critical minerals that will support national interests.

Cash and Expenditure

The Company had cash on hand of $24.9 million as at 31 March 2024 (31 December 2023: $24.6 million), including restricted cash of $0.4 million.

Staff costs of $1,799k for the March quarter (refer to Item 1.1(d)), which reflects staff salaries not capitalised to the Project, includes non-recurring restructure costs incurred as part of the merger with TMT ($406k) and the impact of additional headcount following completion of the merger on 1 February 2024.

No production and development activities related to the Project were undertaken during the quarter. However, the Company saw production cash outflows of $175k (refer to Item 1.2(c)) associated with the delivery of the Horizon Power contract.

Net cash inflow from investing activities of $2,536k in the March quarter mainly related to:

- the Company taking on TMT's cash balance of $7,586k on completion of the merger (net of TMT's merger related transaction costs).
- the Company also paying merger related transaction costs of $2,783k;
- construction of AVL's vanadium electrolyte manufacturing facility ($1,433k; refer to Item 2.1(c)). Construction of the facility was completed in December 2023; and

- project level integration activities and ongoing work to advance the combined project ($834k; refer to Item 2.1(d)). Overall, project-related expenditure slowed during the March quarter given the focus on the merger and Management's decision to limit spending given the need to define the preferred development pathway for the Project.

Inclusion in S&P/ASX All Ordinaries Index

Effective prior to ASX market opening on 18 March 2024, AVL was included in the S&P/ASX All Ordinaries Index (All Ordinaries). The All Ordinaries is designed to measure the 500 largest companies in the Australian equities market, drawn from eligible companies listed on the ASX.

Related Party Payments

The aggregate amount of payments to related parties and their associates included in the current quarter cash flows from operating activities was $157,772, comprising Directors' fees and superannuation.

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This announcement has been produced in accordance with the Company's published continuous disclosure policy and has been approved by the Board.

MINERAL RESOURCE

Table 1 - The Australian Vanadium Project Mineral Resource Estimate as at November 2021[13] by Domain and Resource Classification

Zone	Category	Mt	V_2O_5 %	Fe %	TiO_2 %	SiO_2 %	Al_2O_3 %	LOI %
High Grade	Measured	11.3	1.14	43.8	13.0	9.2	7.5	3.7
	Indicated	27.5	1.10	45.4	12.5	8.5	6.5	2.9
	Inferred	56.8	1.04	44.6	11.9	9.4	6.9	3.3
	Subtotal	**95.6**	**1.07**	**44.7**	**12.2**	**9.1**	**6.8**	**3.2**
Low Grade	Indicated	54.9	0.50	24.9	6.8	27.6	17.1	7.9
	Inferred	73.6	0.48	25.0	6.4	28.7	15.4	6.6
	Subtotal	**128.5**	**0.49**	**24.9**	**6.6**	**28.2**	**16.1**	**7.2**
Transported	Inferred	14.9	0.66	29.0	7.8	24.5	15.1	7.8
	Subtotal	**14.9**	**0.66**	**29.0**	**7.8**	**24.5**	**15.1**	**7.8**
Total	Measured	11.3	1.14	43.8	13.0	9.2	7.5	3.7
	Indicated	82.4	0.70	31.7	8.7	21.2	13.5	6.2
	Inferred	145.3	0.71	33.0	8.7	20.7	12.0	5.4
	Subtotal	**239.0**	**0.73**	**33.1**	**8.9**	**20.4**	**12.3**	**5.6**

* Using a nominal 0.4% V_2O_5 wireframed cut-off for low grade and nominal 0.7% V_2O_5 wireframed cut-off for high grade (total numbers may not add up due to rounding).

Table 2 - The Australian Vanadium Project - Ore Reserve Statement as at April 2022[14], at a cut-off grade of 0.7% V_2O_5

Ore Reserve	Mt	V_2O_5%	Fe_2O_3%	TiO_2%	SiO_2%	LOI%	V_2O_5 production kt	Ore Reserve	Mt
Proved	10.5	1.11	61.6	12.8	9.5	3.7	70.9	Waste	238.5
Probable	20.4	1.07	63.4	12.2	9.2	3.0	152.9	Total Material	269.4
Total Ore	**30.9**	**1.09**	**62.8**	**12.4**	**9.3**	**3.2**	**223.8**	Strip Ratio	7.7

Table 3 - Murchison Technology Metals Project - Mineral Resource Estimate as at 7 November 2022[15]

Classification	Material	Mt	V_2O_5 %	Fe %	Al_2O_3 %	SiO_2 %	TiO_2 %	LOI %	P %	S %
Measured (Yarrabubba)	Massive	4.4	1.1	48.1	5.5	7.3	12.4	-0.4	0.01	0.3
	Disseminated	1.5	0.6	30.0	10.8	23.4	7.7	2.5	0.01	0.2
Measured (Gabanintha)	Massive	5.1	1.1	46.9	5.7	8.4	12.1	-0.2	0.01	0.3
	Disseminated	1.1	0.8	36.4	7.9	19.6	9.0	0.5	0.01	0.2
Measured	**Massive + Disseminated**	**12.1**	**1.0**	**44.3**	**6.5**	**10.9**	**11.4**	**0.1**	**0.01**	**0.2**
Indicated (Yarrabubba)	Massive	8.0	1.1	48.1	5.4	7.1	12.5	0.0	0.01	0.3
	Disseminated	6.9	0.6	28.4	12.5	25.2	7.2	2.6	0.02	0.3
Indicated (Gabanintha)	Massive	19.5	1.1	48.9	5.2	6.2	12.8	-0.1	0.01	0.2
	Disseminated	16.7	0.6	27.3	13.3	26.7	7.0	3.0	0.03	0.2
Indicated	**Massive + Disseminated**	**51.2**	**0.9**	**39.0**	**8.9**	**15.6**	**10.1**	**1.3**	**0.02**	**0.2**
Measured plus Indicated	**Massive + Disseminated**	**63.2**	**0.9**	**40.0**	**8.4**	**14.7**	**10.4**	**1.1**	**0.02**	**0.2**

[13] See ASX announcement dated 1 November 2021 *'Mineral Resource Update at the Australian Vanadium Project'*
14 See ASX announcement dated 6 April 2022 *'Bankable Feasibility Study for the Australian Vanadium Project'*
[15] See Technology Metals Australia ASX announcement dated 7 November 2022 *'MTMP Global Mineral Resource Upgrade'*

Classification	Material	Mt	V_2O_5 %	Fe %	Al_2O_3 %	SiO_2 %	TiO_2 %	LOI %	P %	S %
Inferred (Yarrabubba)	Massive	5.7	1.1	47.4	5.6	7.8	12.3	0.1	0.01	0.3
	Disseminated	11.4	0.6	27.9	12.6	25.8	7.2	2.0	0.02	0.4
Inferred (Gabanintha)	Massive	36.5	1.1	46.7	6.0	8.3	12.3	0.4	0.01	0.2
	Disseminated	36.9	0.5	26.6	12.9	27.6	6.9	3.4	0.03	0.3
Inferred	**Massive + Disseminated**	**90.5**	**0.8**	**36.2**	**9.6**	**18.3**	**9.5**	**1.8**	**0.02**	**0.2**
Total	**Massive + Disseminated**	**153.7**	**0.8**	**37.7**	**9.1**	**16.8**	**9.8**	**1.5**	**0.02**	**0.2**

1. Mineral Resources are reported in accordance with the JORC Code (2012 Edition).
2. Mineral Resources were estimated within constraining wireframe solids using a nominal 0.9% V_2O_5 lower cut-off grade for the massive magnetite zones and using a nominal 0.4% V_2O_5% lower cut-off grade for the banded and disseminated mineralisation zones.
3. Mineral Resources are quoted from all classified blocks within the wireframe solids above a lower cut-off grade of 0.4% V_2O_5.
4. Differences may occur due to rounding. Yarrabubba Measured and Indicated Mineral Resources are reported above an open pit optimised pit shell. Inferred Mineral Resources are reported to a lower RL limit of 250 mRL. Gabanintha Measured and Indicated Mineral Resources are reported above a lower RL limit of 240 to 280 mRL that approximates the Ore Reserve pit shells. Inferred Mineral Resources are reported to a lower RL limit of 170 mRL

Table 4 - Murchison Technology Metals Project Ore Reserve as at 5 August 2022[16]

Deposit	Ex-Pit Ore				Magnetic Conc.		Non-Magnetic Conc.		Rec. V_2O_5	Rec. Ilmenite	Waste	Total
	Mt	V_2O_5%	TiO_2%	Mass Yield	Mt	V_2O_5%	Mt	TiO_2%	M lb	kt	Mt	Mt
Yarrabubba Probable	15.88	0.87%	10.0%	44.4%	7.04	1.61%	8.84	12.35%	202.7	1,132.6	110.10	125.98
Yarrabubba Total	**15.88**	**0.87%**	**10.0%**	**44.4%**	**7.04**	**1.61%**	**8.84**	**12.35%**	**202.7**	**1,132.6**	**110.10**	**125.98**
Gabanintha Proven	1.12	0.95%	-	69.8%	0.78	1.30%0	-	-	18.1	-	154.48	183.08
Gabanintha Probable	27.48	0.90%	-	57.1%	15.69	1.31%	-	-	369.4	-		
Gabanintha Total	**28.60**	**0.91%**	**10.7%**	**57.6%**	**16.47**	**1.31%**	**-**	**-**	**387.5**	**-**	**154.48**	**183.08**
Total	**44.48**	**0.89%**	**10.5%**	**52.9%**	**23.52**	**1.40%**	**8.84**	**12.35%**	**590.3**	**1,132.6**	**264.58**	**309.06**

[16] See Technology Metals Australia ASX Announcement dated 5 August 2022 *'MTMP Mine Life Increased to 25 Years'*

Table 5 - Tenement Schedule

Tenement information as required by Listing Rule 5.3.3 for the quarter ended 31 March 2024

Location	Project	Tenements	Economic Interest	Notes	Change in Quarter %
Western Australia	The Australian Vanadium Project	E 51/843	100% Granted[1]		Nil
		E 51/1534	100% Granted[1]		Nil
		E 51/1899	100% Granted		Nil
		E 51/1943	100% Granted		Nil
		E 51/1944	100% Granted		Nil
		E 51/2067	100% Granted		100%
		E 51/2215		100% on Application	100%
		L 51/116	100% Granted		Nil
		L 51/119		100% on Application	Nil
		L 51/130		100% on Application	Nil
		L51/132		100% on Application	Nil
		L51/133		100% on Application	Nil
		M 51/878	100% Granted[1]		Nil
		M 51/897		100% on Application[1]	Nil
		P 51/3073	100% Granted		Nil
		P 51/3074	100% Granted		Nil
		P 51/3075	100% Granted		Nil
		P 51/3076	100% Granted		Nil
		P 51/3298		100% on Application	Nil
		E 51/1510-I	100% Granted[2]		100%
		E 51/1818	100% Granted[2]		100%
		E 51/2056		100% on Application[2]	100%
		E 51/2117		100% on Application[2]	100%
		G 51/29	100% Granted[2]		100%
		G 51/30	100% Granted[2]		100%
		G 51/31	100% Granted[2]		100%
		G 51/32		100% on Application[2]	100%
		G 51/34		100% on Application[2]	100%
		L 51/101	100% Granted[2]		100%
		L 51/102	100% Granted[2]		100%
		L 51/117	100% Granted[2]		100%
		L 51/121	100% Granted[2]		100%
		L 51/123		100% on Application[2]	100%
		L 51/125		100% on Application[2]	100%

		L 51/128		100% on Application[2]	100%
		L 51/129		100% on Application[2]	100%
		L 51/134		100% on Application[2]	100%
		L 51/135		100% on Application[2]	100%
		M 51/883	100% Granted[2]		100%
		M 51/884	100% Granted[2]		100%
		P 51/3140	100% Granted[2]		100%
Western Australia	**Nowthanna Hill**	M 51/771	100% Granted		Nil
Western Australia	**Peak Hill**	E 52/3349	0.75% NSR Production Royalty		Nil
Western Australia	**Tumblegum South**	M 51/888	0.75% NSR Production Royalty		Nil
Western Australia	**Coates**	E 70/4924-I	100% Granted		Nil
		E 70/5588	100% Granted		Nil
		E 70/5589		100% on Application	Nil

Note 1: Australian Vanadium Limited retains 100% rights in V/U/Co/Cr/Ti/Li/Ta/Mn & iron ore on The Australian Vanadium Project. Bryah Resources Limited holds the Mineral Rights for all minerals except V/U/Co/Cr/Ti/Li/Ta/Mn & iron ore only.

Note 2: Tenements acquired due to merger of Australian Vanadium Limited and Technology Metals Limited.

ASX CHAPTER 5 COMPLIANCE AND CAUTIONARY AND FORWARD-LOOKING STATEMENTS

ASX Listing Rules 5.19 and 5.23

ASX Listing Rule 5.19

The information in this announcement relating to production targets, or forecast financial information derived from a production target, is extracted from the announcement entitled 'Bankable Feasibility Study for the Australian Vanadium Project' released to the ASX on 6th April 2022 which is available on the Company's website www.avl.au.

The Company confirms that all material assumptions underpinning the production target, or the forecast financial information derived from a production target, in the original market announcement continue to apply and have not materially changed.

ASX Listing Rule 5.23

The information in this announcement relating to exploration results and mineral resource and ore reserve estimates for the Australian Vanadium Project is extracted from the announcement entitled 'Bankable Feasibility Study for the Australian Vanadium Project' released to the ASX on 6th April 2022 which is available on the Company's website www.avl.au and Technology Metals Australia (formerly ASX:TMT) announcements of 5 August 2022 and 7 November 2022 which are available on TMT's website www.tmtlimited.com.au.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement, and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the competent person's findings are presented have not been materially modified from the original market announcement.

Forward-Looking Statements

This release may contain certain forward-looking statements with respect to matters including but not limited to the financial condition, results of operations and business of AVL and certain of the plans and objectives of AVL with respect to these items.

These forward-looking statements are not historical facts but rather are based on AVL's current expectations, estimates and projections about the industry in which AVL operates and its beliefs and assumptions.

Words such as "anticipates," "considers," "expects," "intends," "plans," "believes," "seeks," "estimates", "guidance" and similar expressions are intended to identify forward looking statements and should be considered an at-risk statement. Such statements are subject to certain risks and uncertainties, particularly those risks or uncertainties inherent in the industry in which AVL operates.

These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and other factors, some of which are beyond the control of AVL, are difficult to predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements. Such risks include, but are not limited to resource risk, metal price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries and states in which we sell our product to, and government regulation and judicial outcomes. For more detailed discussion of such risks and other factors, see the Company's Annual Reports, as well as the Company's other filings.

AVL cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of AVL only as of the date of this release.

The forward-looking statements made in this announcement relate only to events as of the date on which the statements are made.

AVL will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this announcement except as required by law or by any appropriate regulatory authority.

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

AUSTRALIAN VANADIUM LIMITED

ABN	Quarter ended ("current quarter")
90 116 221 740	31 MARCH 2024

Consolidated statement of cash flows		Current quarter $A'000	Year to date (9 months) $A'000
1.	**Cash flows from operating activities**		
1.1	Receipts from customers	107	172
1.2	Payments for		
	(a) exploration & evaluation	(84)	(122)
	(b) development	-	-
	(c) production	(175)	(439)
	(d) staff costs	(1,799)	(4,734)
	(e) administration and corporate costs	(740)	(5,846)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	252	473
1.5	Interest and other costs of finance paid	(39)	(112)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	254	690
1.8	Other	-	-
1.9	**Net cash from / (used in) operating activities**	**(2,224)**	**(9,918)**

2.	**Cash flows from investing activities**		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	(1,433)	(6,947)
	(d) exploration & evaluation	(834)	(4,977)
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter $A'000	Year to date (9 months) $A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)		
	Cash balance of acquired entity (Technology Metals Australia Limited)	7,586	7,586
	Fees associated with merger	(2,783)	(3,336)
2.6	**Net cash from / (used in) investing activities**	**2,536**	**(7,674)**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	15,671
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	(388)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	**Net cash from / (used in) financing activities**	**-**	**15,283**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	24,577	27,198
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(2,224)	(9,918)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	2,536	(7,674)

Consolidated statement of cash flows		Current quarter $A'000	Year to date (9 months) $A'000
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	15,283
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**24,889**	**24,889**

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter $A'000	Previous quarter $A'000
5.1	Bank balances *	2,805	4,533
5.2	Call deposits*	21,695	19,655
5.3	Bank overdrafts	-	-
5.4	Other (bank guarantees – restricted cash)	389	389
5.5	**Cash and cash equivalents at end of quarter (should equal item 4.6 above)**	**24,889**	**24,577**

* Includes $5.2M to be spent on eligible activities as outlined in the Modern Manufacturing Initiative Collaboration Grant Agreement.

6.	Payments to related parties of the entity and their associates	Current quarter $A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	158
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

7.	**Financing facilities** *Note: the term "facility' includes all forms of financing arrangements available to the entity.* *Add notes as necessary for an understanding of the sources of finance available to the entity.*	**Total facility amount at quarter end $A'000**	**Amount drawn at quarter end $A'000**
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	**Total financing facilities**	-	-

7.5	**Unused financing facilities available at quarter end**	-

7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.

n/a

8.	**Estimated cash available for future operating activities**	**$A'000**
8.1	Net cash from / (used in) operating activities (item 1.9)	(2,224)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(833)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(3,057)
8.4	Cash and cash equivalents at quarter end (item 4.6)	24,889
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	24,889
8.7	**Estimated quarters of funding available (item 8.6 divided by item 8.3)**	8.14

Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.

8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:

8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

N/A

8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

N/A

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

N/A

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.

2 This statement gives a true and fair view of the matters disclosed.

Date: 30 APRIL 2024

Authorised by: Board of Directors
(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.

2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.

3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.

4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [*name of board committee – eg Audit and Risk Committee*]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".

5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.