Australian VANADIUM LIMITED

ASX ANNOUNCEMENT **31 January 2025**

QUARTERLY ACTIVITIES REPORT

Period ending 31 December 2024

HIGHLIGHTS

Upstream – Australian Vanadium Project (Project)

- **Optimised Feasibility Study (OFS)**: Progression of Phase 2 of the OFS, aimed at further improvement of project economics.
- **Benefits of Federal Government support**: During the quarter, AVL continued to utilise Federal Government grant funding to unlock value from the Project through enhanced project definition, detailed engineering of key infrastructure and the project approvals process.
- **Primary approvals progress**: Post quarter end, WA Minister for Environment has provided approval of the implementation of the Gabanintha Vanadium Project, which forms part of the Project.
- **Green Energy Major Project:** The Project has been selected as a lead agency advice and support project under Western Australian Government's Lead Agency Framework.

Midstream – Vanadium Electrolyte

- **Product qualification**: AVL continues to engage with leading global vanadium flow battery (**VFB**) original equipment manufacturers (**OEM**) in relation to the use of AVL's vanadium electrolyte in their VFBs.
- **Ministerial engagement**: The Company welcomed the Hon Anthony Albanese, Prime Minister of Australia, during a visit to its vanadium electrolyte manufacturing facility, which was constructed with the support of a Federal Government grant. This follows a visit from the Hon Roger Cook MLA, the Premier of Western Australia, to the facility.

Downstream – Vanadium in Energy Storage

- **Commencement of Project Lumina**: The development by the Company's wholly owned subsidiary, VSUN Energy Pty Ltd (**VSUN Energy**), of a scalable, turnkey, utility-scale battery energy storage system (**BESS**) using VFB technology, for use in Australian energy markets.
- **Phase 1 of Project Lumina**: Indicates that the levelised cost of storage (**LCOS**) for a 100MW / 400 MWh VFB BESS is likely to be competitive with the LCOS of similarly sized lithium-ion BESS products currently available on the market.
- **Appointment of contractors**: Engagement of GenusPlus Group (**Genus**) and Sedgman Pty Ltd (**Sedgman**) to provide early contractor involvement services and Austrian VFB manufacturer Enerox GmbH (operating as **CellCube**) as the VFB technology contractor.
- **Market development**: VSUN Energy explored various opportunities for possible implementation of VFB BESS projects in the Australian energy market, including New South Wales, Victoria, Queensland and Western Australia.

For personal use only

Australian Vanadium Limited
Level 2, 50 Kings Park Road
West Perth, WA 6005

Phone: +61 8 9321 5594
Fax: +61 8 6268 2699
Email: info@avl.au

ASX: AVL
ABN: 90 116 221 740

For personal use only

- **Completion of Horizon Power vanadium flow battery**: Successful commissioning and handover by VSUN Energy of the first VFB BESS containing vanadium electrolyte manufactured at AVL's vanadium electrolyte manufacturing facility to Horizon Power in Western Australia.

Corporate

- **Financial position**: Cash position of $22.6 million as at 31 December 2024, including $13.6 million of Federal government grant funds to be spent on eligible activities and restricted cash of $0.4 million.

CEO, Graham Arvidson comments, *"This quarter marked significant milestones across AVL's pit-to-battery strategy, in lock step with rapidly growing demand for long-duration energy storage in Australia. The announcement and progression of Project Lumina highlights the competitiveness of vanadium flow batteries for long duration energy storage and is a key step in value creation across our integrated vanadium supply chain.*

"The Project Lumina's detailed design of a 100MW, 4- and 8-hour VFB BESS has progressed very well, and we were proud to formalise the appointments of Genus, Sedgman, and CellCube – highly respected parties experienced in delivering real world BESS solutions and proven VFB technologies. The VSUN Energy team also made great strides toward securing land access, energy offtake and financial partnering opportunities spanning five states. We remain focused on completing Project Lumina development activities by mid-2025 to support our goal of being investment-ready for the delivery of turn-key competitive, utility-scale VFB BESS solutions to the Australian market.

"In our upstream business we were pleased to secure a key EPA approval, and we continued to make steady progress on the final phase of our OFS, staying focused on maximising value add opportunities enabled through the 2024 merger."

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

The Company's vertically integrated 'pit-to-battery' strategy aims to use vanadium oxides from its upstream vanadium mining and processing Project for its midstream manufacture of vanadium electrolyte which, in turn, can be used in the utility scale VFB BESS solutions deployed by VSUN Energy.

UPSTREAM – AUSTRALIAN VANADIUM PROJECT

The Company continues to advance the development of its upstream Project, which includes a minesite and a crushing, milling and beneficiation plant (CMB plant or concentrator) located at

Gabanintha, near Meekatharra in Western Australia and a processing plant at Tenindewa, near Geraldton in Western Australia.

Progress with Optimised Feasibility Study

During the quarter, the Company progressed the OFS to maximise the project value to be derived from integrating the Gabanintha Vanadium Project into the Australian Vanadium Project.[1]

The first phase of the OFS was successfully completed within the June quarter of 2024, [2] marking a significant milestone in refining the project development pathway. Work included three key trade-off studies that identified the optimal approach to targeting ore within the southern portion of the orebody, finalising the location of the processing plant and concentrator and determining the best sites for key infrastructure components.

As part of the second phase of the OFS, work has been done using AVL's updated mineral resource estimate (MRE)[3] to develop a detailed mining plan with a focus on optimising grade and strip ratio that will form the basis of design, providing a strong foundation for the further work in the second phase of the OFS.

Building upon these outcomes, the second and final phase of the OFS continues with the definition of a preferred pathway that optimally balances production capacity, cost efficiency and long-term sustainability. This work focuses on finalising detailed project economics, including capital and operating cost estimates, along with the completion of the optimised engineering design for the mine, concentrator, processing plant and infrastructure.

Environmental Approval

Post quarter end, the Western Australian Minister for Environment, the Hon. Reece Whitby MLA, approved under section 45 of the *Environmental Protection Act 1986 (WA)* the implementation of a proposal made by AVL's wholly owned subsidiary Technology Metals Australia Pty Ltd (TMT) relating to EPA Report 1755 for the Gabanintha Vanadium Project, which now forms part of the Australian Vanadium Project.[4] The decision provides EPA approval for the original Gabanintha Vanadium Project, comprising mine, concentrator, processing plant, and other key infrastructure including bore field and camp.

Green Energy Major Project Status Granted

Also post quarter end, the Australian Vanadium Project was selected as a lead agency advice and support project under Western Australian Government's Lead Agency Framework.[5] The Lead Agency prioritisation framework is designed to focus the efforts of government towards the projects that are aligned with the State's decarbonisation and economic diversification agenda. The Green Energy Major Projects group has been established for State Government agencies to work together to develop clear assessment pathways and provide high-quality, fit-for-purpose, timely support for proponents and investors. This recognition strengthens AVL's ability to secure approvals efficiently,

[1] See ASX announcement dated 1 February 2024 *'Successful Implementation of AVL and TMT Merger'*
[2] See ASX announcement dated 2 July 2024 *'Completion of First Phase of Optimised Feasibility Study'*
[3] See ASX announcement dated 7 May 2024 *'39% increase in High Grade Measured and Indicated Mineral Resource'*
[4] See ASX announcement dated 13 January 2025 *'AVL Secures EPA Approval for Gabanintha Vanadium Project'*
[5] See ASX announcement dated 29 January 2025 *'Green Energy Major Project Status Granted'*

For personal use only

drive local job creation and establish Western Australia as a leader in the global critical minerals supply chain.

Federal Government Support

AVL continues to benefit from grant funding from the Federal Government. To date, AVL has received $24.5 million of the $49 million grant under the Modern Manufacturing Initiative – Manufacturing Collaboration Stream (**MMI-C Grant**).[6]

The funding contributes to unlocking value in the Project during the OFS, allowing for enhanced project definition, detailed engineering of key infrastructure, progression of project approvals and other activities to minimise project execution risk.

MIDSTREAM – VANADIUM ELECTROLYTE

AVL continued the process of qualifying its vanadium electrolyte with several international VFB OEMs.[7] Certification of electrolyte manufactured at AVL's facility paves the way for future commercial sales of electrolyte to global VFB OEMs.

During the quarter, the Company had the privilege of hosting The Hon Anthony Albanese MP, Prime Minister of Australia, The Hon Madeleine King MP, Minister for Resources and Ms Tracey Roberts MP, Member for Pearce, at the Company's vanadium electrolyte facility in Perth. The Federal Government's initiatives under the Modern Manufacturing Initiative – Manufacturing Translation Stream grant awarded in 2021 has supported the construction of the electrolyte facility as part of the $3.69 million grant.[8] Earlier in the quarter, AVL also hosted The Hon Roger Cook MLA, the Premier of Western Australia, at the facility.

Figure 1 – CEO Graham Arvidson and The Hon Anthony Albanese MP, Prime Minister of Australia, and The Hon Roger Cook MLA, Premier of Western Australia at AVL's electrolyte facility

[6] See ASX announcement dated 20 June 2024 *'$14.7 million Received from Federal Grant'*
[7] See ASX announcement dated 19 March 2024 '*Battery Ready Vanadium Electrolyte Produced'*
[8] See ASX announcement dated 22 July 2021 '*AVL Awarded $3.69M Federal Government Manufacturing Grant*' and ASX announcement dated 21 May 2024 '*Final Payment Received for Vanadium Flow Battery Grant*'

For personal use only

For personal use only

These visits provided an excellent opportunity to present AVL's comprehensive vanadium flow battery supply chain solution and update Federal and State leaders on its readiness to deliver competitive BESS solutions tailored to the needs of the growing long-duration storage market. The presentation highlighted how the use of local manufacturing could contribute to economic activity and diversification, while also enhancing the longevity and safety of BESS infrastructure.

DOWNSTREAM – VANADIUM FLOW BATTERY

The Company has made significant progress in setting the foundations for its energy storage solutions strategy through its wholly owned subsidiary, VSUN Energy. VSUN Energy's ongoing objective is to develop solutions to address Australia's growing requirement for long duration energy storage, while providing AVL with an opportunity for offtake of its planned production of vanadium oxides from the Australian Vanadium Project and Australian-manufactured vanadium electrolyte, as part of the Company's 'pit to battery' strategy.

Project Lumina

During the quarter, VSUN Energy completed Phase 1 of Project Lumina, an analysis to consider the potential competitiveness of VFB BESS solutions in the energy storage market. The outcome indicates the merits of a scalable, turnkey, utility-scale 100MW VFB BESS solution with levelised cost of storage (LCOS) of A$251/MWh for an 8-hour VFB BESS.[9]

Phase 2 of Project Lumina is the delivery of the detailed design of a VFB BESS solution, which is expected to refine the Phase 1 assumptions and develop an executable delivery strategy. Key aims of Phase 2 include:

- Development of a construction-ready, detailed design and delivery strategy for a commercial, turnkey, utility-scale 100MW VFB BESS on a 4-hour (100MW/400MWh) and 8-hour (100MW/800MWh) duration.
- Delivery of a definitive basis for estimates of LCOS, capital cost, operating cost and revenue opportunities, refining from the Phase 1 accuracy of ± 30%.
- Exploration of the option of a 'deconstructed' VFB BESS to drive optimised economic returns and to potentially extend operational life to 40 years and beyond.
- Optimisation of the design with a cost-effective means of independently scaling either power (MW) or duration (MWh of discharge) to capture opportunities emerging from the evolution of the Australian energy markets and deliver a competitive advantage via in-built optionality.

Related activities include continuing discussions with potential energy offtakers for the deployment of energy storage solutions, progressing land access arrangements for the future deployment of energy storage solutions, developing a funding strategy (debt and equity) to allow for the rapid deployment of energy storage solutions and determining the merits of deploying a VSUN Energy Build-Own-Operate (BOO) business model, as well as delivering on an engineering, procurement and construction (EPC) basis.

It is intended for Phase 2 to enable the Company and potential third-party investors to be able to make a final investment decision (FID) on the deployment of utility scale VFB BESS solutions by

[9] See ASX announcement dated 6 November 2024 '*Realising AVL's Utility-Scale Vanadium Flow Battery Strategy*'

VSUN Energy in Q3 CY2025. The Company recognises that, as the work progresses and options are explored, the timeline may change.

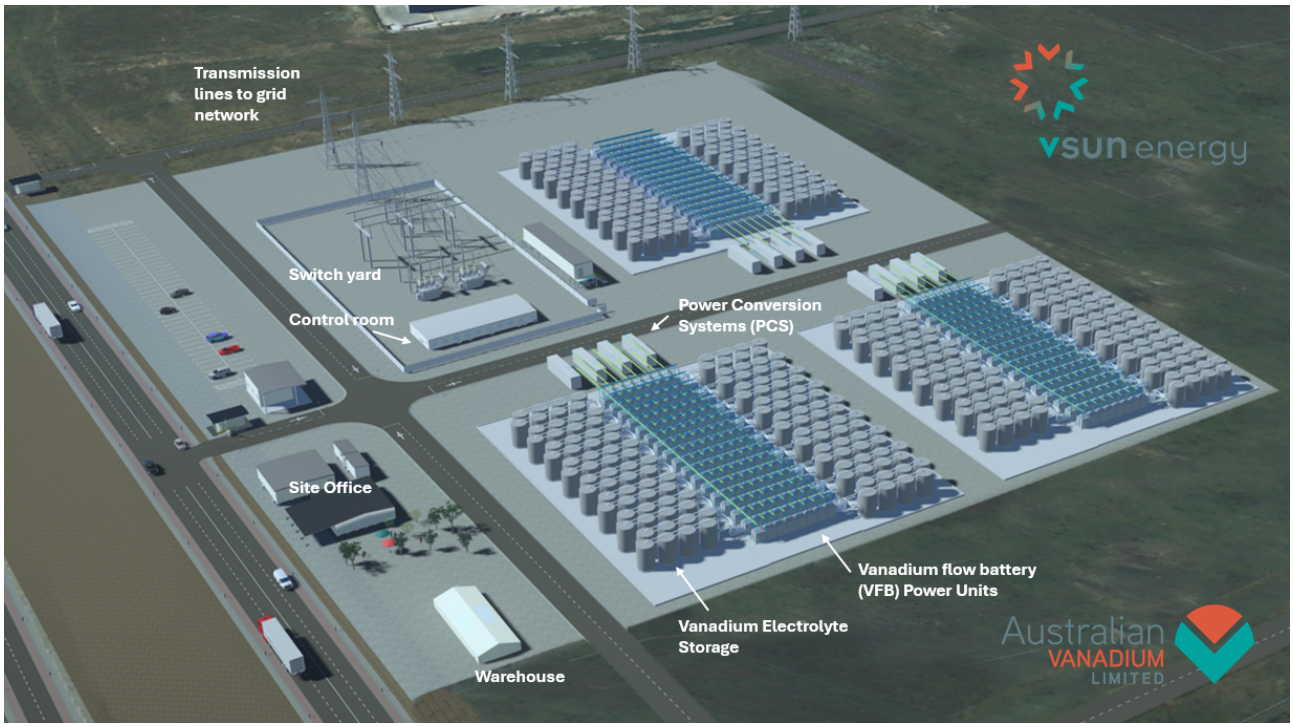

Figure 2 – Example site layout of a utility scale Project Lumina vanadium flow battery solution

Developing opportunities for Project Lumina implementation

During the quarter, VSUN Energy explored various opportunities for possible implementation of VFB BESS projects in the Australian energy market, including New South Wales, Victoria, Queensland and Western Australia.

AVL notes WA Labor's media release, made post quarter end, that a re-elected Cook Labor Government will provide $150 million for a new, Western Australia-made, 50 megawatt vanadium battery in Kalgoorlie to further reinforce the Goldfields' energy system and create around 150 local jobs. It is proposed that the battery will provide 10 hours of back-up electricity storage to provide an additional layer of protection and guard against weather events or other supply disruptions.

With AVL's vertically integrated vanadium strategy and the work being done on Project Lumina, the Company is well-positioned to pursue opportunities like this proposed Kalgoorlie battery.

Key appointments to support development of Project Lumina

To support the ongoing development of Project Lumina, VSUN Energy has established key relationships to underpin its energy storage solutions strategy.[10] Strategic appointments during the quarter included:

- Leading Australian EPC contractors were appointed to Project Lumina. Genus has been appointed to provide early contractor involvement (ECI) services to develop the electrical connection of the VFB BESS and Sedgman has been appointed to provide ECI services in relation to the balance of plant design.

[10] See ASX announcement dated 9 December 2024 *'Key Appointments Support Vanadium Flow Battery Development'*

For personal use only

For personal use only

- CellCube, a global leader in VFB technology, has been appointed as the VFB technology provider for Project Lumina. With over 20 years of experience in designing and deploying its battery systems worldwide, CellCube is engaged to contribute its expertise to design VFB power units, develop associated engineering documentation and provide technical guidance. CellCube is expected to provide critical VFB componentry including the supply of power units in the implementation of Project Lumina.

The utilisation of well-established technology and building long term relationships with experienced providers such as Genus, Sedgman and CellCube will contribute to de-risking the deployment of VFB BESS units by VSUN Energy, providing confidence for end users of the technology.

Horizon Power vanadium flow battery project

During the quarter, VSUN Energy achieved a significant milestone in successfully commissioning and handing over a VFB BESS to Horizon Power at a site in Kununurra, Western Australia, with the first utilisation of a VFB containing vanadium electrolyte manufactured by AVL in Western Australia.[11] The 220kWh VFB, which is designed to deliver up to 78kW of power, was purchased by Horizon Power, Western Australia's regional energy provider, for a long duration energy storage pilot. The use of VFBs as a long duration energy storage solution could assist Horizon Power to accelerate the decarbonisation of its 140 energy networks spread throughout a service area covering 2.3 million square kilometres.

Figure 2 – CEO Graham Arvidson with the Hon Reece Whitby MLA, Minister for Energy, Divina D'Anna MLA, and Horizon Power Executive, Jennie Milne, officially opening Horizon Power's VFB BESS delivered by VSUN Energy

[11] See ASX announcement dated 16 September 2024 *'Electrolyte Successfully Deployed in VFB for Horizon Power'*

For personal use only

CORPORATE

Cash and Expenditure

The Company had cash on hand of $22.6 million as at 31 December 2024 (30 September 2024: $30.7 million), including $13.6 million to be spent on eligible activities under the MMI-C Grant and restricted cash of $0.4 million.

Net cash outflow from operating activities for the December quarter totalled $2,252k, comprising $1,544k in staff costs, including non-capitalised salaries, on-costs, and Directors' fees, and $1,016k in administration and corporate expenses (refer to Items 1.2(d) and 1.2(e) respectively in the Appendix 5B).

Net cash outflow from investing activities for the December quarter was $5,380k, primarily related to ongoing efforts to advance the Project ($4,939k; see Item 2.1(d) in the Appendix 5B). This amount also includes project-related staff costs and external costs related to the OFS, metallurgical studies, environmental approvals, and engagement with Traditional Owners.

Related Party Payments

Total payments to related parties and their associates included in the quarter's cash flows from operating activities amounted to $185k. This includes Directors' fees, related superannuation and payments under employment agreements.

Director Resignation

Ms Anna Sudlow resigned as a Non-Executive Director of the Company, effective 31 December 2024.[12] Ms Sudlow's decision to resign was based on increased work commitments associated with her executive role for another company, which requires her full attention.

For further information, please contact:

Graham Arvidson, CEO
+61 8 9321 5594

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

[12] See ASX announcement dated 23 December 2024 *'Director Resignation'*

ABOUT AUSTRALIAN VANADIUM LTD

AVL is a resource company focused on vanadium, seeking to offer investors a unique exposure to all aspects of the vanadium value chain – from resource through to steel and energy storage opportunities. AVL is advancing the development of its world-class Australian Vanadium Project at Gabanintha. The Australian Vanadium Project is one of the most advanced vanadium projects being developed globally, with 395.4Mt at 0.77% vanadium pentoxide (V_2O_5), containing a high grade zone of 173.2Mt at 1.09% V_2O_5, reported in compliance with the JORC Code 2012 (see ASX announcement dated 7 May 2024 *'39% Increase in High Grade Measured and Indicated Mineral Resource'*).

VSUN Energy is AVL's 100% owned renewable energy and energy storage subsidiary which is focused on developing the Australian market for vanadium flow batteries for long duration energy storage. VSUN Energy was established in 2016 and is widely respected for its VFB expertise. AVL's vertical integration strategy incorporates processing vanadium to high purity, manufacturing vanadium electrolyte and working with VSUN Energy as it develops projects based on renewable energy generation and VFB energy storage.

For personal use only

MINERAL RESOURCE ESTIMATE

The Australian Vanadium Project – Mineral Resource estimate by domain and resource classification 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).

Zone	Category	Mt	V_2O_5 %	Fe %	TiO_2 %	SiO_2 %	Al_2O_3 %
HG	Measured	30.6	1.14	46.3	12.9	7.4	6.2
	Indicated	74.8	1.11	47.5	12.6	7.0	5.7
	Inferred	67.9	1.06	45.3	12.1	9.0	6.6
	Subtotal	**173.2**	**1.09**	**46.5**	**12.5**	**7.8**	**6.1**
LG	Indicated	61.8	0.55	26.1	7.1	26.6	16.3
	Inferred	142.5	0.48	24.9	6.6	28.9	15.2
	Subtotal	**204.3**	**0.50**	**25.3**	**6.8**	**28.2**	**15.5**
Transported	Inferred	17.9	0.65	31.0	7.3	24.1	14.4
	Subtotal	**17.9**	**0.65**	**31.0**	**7.3**	**24.1**	**14.4**
Total	Measured	30.6	1.13	46.3	12.9	7.4	6.2
	Indicated	136.6	0.85	37.8	10.1	15.8	10.5
	Inferred	228.2	0.66	31.4	8.3	22.6	12.6
	Subtotal	**395.4**	**0.77**	**34.8**	**9.3**	**19.1**	**11.4**

Note: Totals may not add up due to rounding

For personal use only

For personal use only

TENEMENT SCHEDULE

Tenement information as required by Listing Rule 5.3.3 for the quarter ended 31 December 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		Nil
		E 51/2215		100% on Application	Nil
		G 51/37		100% on Application	100%
		G 51/38		100% on Application	100%
		G 51/39		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		Nil
		E 51/1818	100% Granted		Nil
		E 51/2056		100% on Application	Nil
		E 51/2117		100% on Application	Nil
		G 51/29	100% Granted		Nil
		G 51/30	100% Granted		Nil
		G 51/31	100% Granted		Nil
		G 51/32		100% on Application	Nil
		G 51/34		100% on Application	Nil
		G 51/36		100% on Application	100%
		L 51/101	100% Granted		Nil
		L 51/102	100% Granted		Nil
		L 51/117	100% Granted		Nil
		L 51/121	100% Granted		Nil

		L 51/123		100% on Application	Nil
		L 51/125		100% on Application	Nil
		L 51/128		100% on Application	Nil
		L 51/129		100% on Application	Nil
		L 51/134		100% on Application	Nil
		L 51/135	100% Granted		Nil
		M 51/883	100% Granted		Nil
		M 51/884	100% Granted		Nil
		P 51/3140	100% Granted		Nil
Western Australia	**Nowthanna Hill**	M 51/771	100% Granted		Nil
Western Australia	**Peak Hill**	E 52/3349	0.75% Net Smelter Return (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	100% on Application	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 other minerals.

For personal use only

For personal use only

ASX CHAPTER 5 COMPLIANCE AND CAUTIONARY AND FORWARD-LOOKING STATEMENTS

ASX Listing Rule 5.23

The information in this announcement relating to mineral resource estimates for the Australian Vanadium Project is extracted from the announcement entitled '39% Increase in High Grade Measured and Indicated Mineral Resource' released to the ASX on 7 May 2024. The relevant announcement is available on the Company's website www.avl.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 announcements, 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 announcements.

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 DECEMBER 2024

Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 months) $A'000
1.	**Cash flows from operating activities**		
1.1	Receipts from customers	89	89
1.2	Payments for		
	(a) exploration & evaluation	(331)	(1,096)
	(b) development	-	-
	(c) production	(386)	(682)
	(d) staff costs	(1,544)	(3,574)
	(e) administration and corporate costs	(1,016)	(3,912)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	339	767
1.5	Interest and other costs of finance paid	(58)	(100)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	650	3,283
1.8	Other	5	48
1.9	**Net cash from / (used in) operating activities**	**(2,252)**	**(5,177)**

2.	**Cash flows from investing activities**		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	(45)	(45)
	(c) property, plant and equipment	(46)	(49)
	(d) exploration & evaluation	(4,939)	(7,577)
	(e) investments	-	-
	(f) other non-current assets	(350)	(492)

For personal use only

For personal use only

Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 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)		
2.6	**Net cash from / (used in) investing activities**	**(5,380)**	**(8,163)**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
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	-	-
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**	**-**	**-**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	30,712	36,420
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(2,252)	(5,177)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(5,380)	(8,163)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (6 months) $A'000**
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**23,080**	**23,080**

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	5,828	2,216
5.2	Call deposits*	16,804	28,100
5.3	Bank overdrafts	-	-
5.4	Other (bank guarantees – restricted cash)	448	396
5.5	**Cash and cash equivalents at end of quarter (should equal item 4.6 above)**	**23,080**	**30,712**

* Includes $13.6M 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	185
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.

For personal use only

For personal use only

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)	(2,252)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(2,638)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(4,890)
8.4	Cash and cash equivalents at quarter end (item 4.6)	23,080
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	23,080
8.7	**Estimated quarters of funding available (item 8.6 divided by item 8.3)**	4.7

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: 31 JANUARY 2025

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.

For personal use only