



Pavement Recycling and Stabilisation Association



AustStab **Annual Report** **2022/2023**

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About AustStab

AustStab Limited is the *Australian Pavement Recycling and Stabilisation Association*. It is a not-for-profit industry association established in 1995 to help provide a unified approach to the recycling and stabilisation of road pavements and to develop national standards of research and performance.

AustStab collaborates across the industry working with interested parties to:

- Promote the benefits of pavement recycling and stabilisation
- Review and develop specifications and work towards their national harmonisation
- Provide training and education
- Undertake research and trials
- Publish technical guidelines
- Set quality standards of workmanship, and
- Identify and advocate for best practice in health, safety and environmental practices.

AustStab has been instrumental in bringing together the experience of road authorities, contractors, consultants and suppliers to develop unified specifications, design and construction methods and quality standards. Pavement recycling and stabilisation has developed under the stewardship of AustStab to become a sophisticated pavement management process undertaken utilising specialised plant and equipment. Modern processes are capable of the full range of pavement recycling and stabilisation, including deep-lift construction, and can deliver a range of benefits to pavement design and maintenance engineers.



The inaugural *Australian Pavement Recycling and Stabilisation Conference* held in Sydney in August 2022 was a much-needed opportunity to reconnect with colleagues and industry associates.

AustStab Members (2022/2023)

Category A – Full Contracting Members	Geotech or Consulting – Multi State Members	
Downer Australia	Aurecon Group	
Hiway Stabilizers	Australian Soil and Concrete Testing	
Stabil-Lime Group	Coffey Testing	
Stabilised Pavements of Australia	Construction Sciences	
THE Stabilising	Tonkin	
Category B – Full Contracting Members	WGASA	
Stabilco	Geotech or Consulting – Single State Members	
WA Stabilising	Aitken Rowe Testing	
Category C – Full Contracting Members	Allan Bowman	
Accurate Asphalt & Road Repair	Durkin	
AWC	Ground Science	
Bild Group	GR Webb Consulting	
Newpave	Head to Head International	
Roadworx	Pavement Asset Services	
Stabilcorp	Pavement Technology Centre	
Trico Asphalt	Affiliate – Institutional Members	
Category E – Full Contracting Members	Centre for Pavement Engineering Education	
RoadTek	Department for Infrastructure and Transport (SA)	
Category A – Construction Material Members	Dep. of Infrastructure, Planning and Logistics (NT)	
Boral Cement	Dept. of State Growth (Tasmania)	
Graymont	Dept. of Transport and Main Roads (Queensland)	
Independent Cement & Lime	Department of Transport and Planning (Victoria)	
Sunstate Cement	Main Roads (Western Australia)	
Wagners Cement	Transport for New South Wales	
Category B – Construction Material Members	William Adams	
SAMI Bitumen Technologies	Affiliate – Individual Members	
Viva Energy	Donald Cameron	
Category C – Construction Material Members	John Figueroa	
Interchem	Honorary Members	
Associate Members	Robert Andrews	Greg Murphy
Astec	David Berg	Jothi (Rama) Ramanujam
Caterpillar	Mal Bilaniwskyj	Paul Richie
Wirtgen	Thomas Curnow	Warren Smith
	Peter Evans	Max Wallis
	Errol Jones (dec.)	Phil Walter
	Paul Keane	Tom Wilmot
	Colin Leek	

Membership Changes

AustStab membership has remained relatively stable over the 2022/2023 period with a small net gain in numbers.

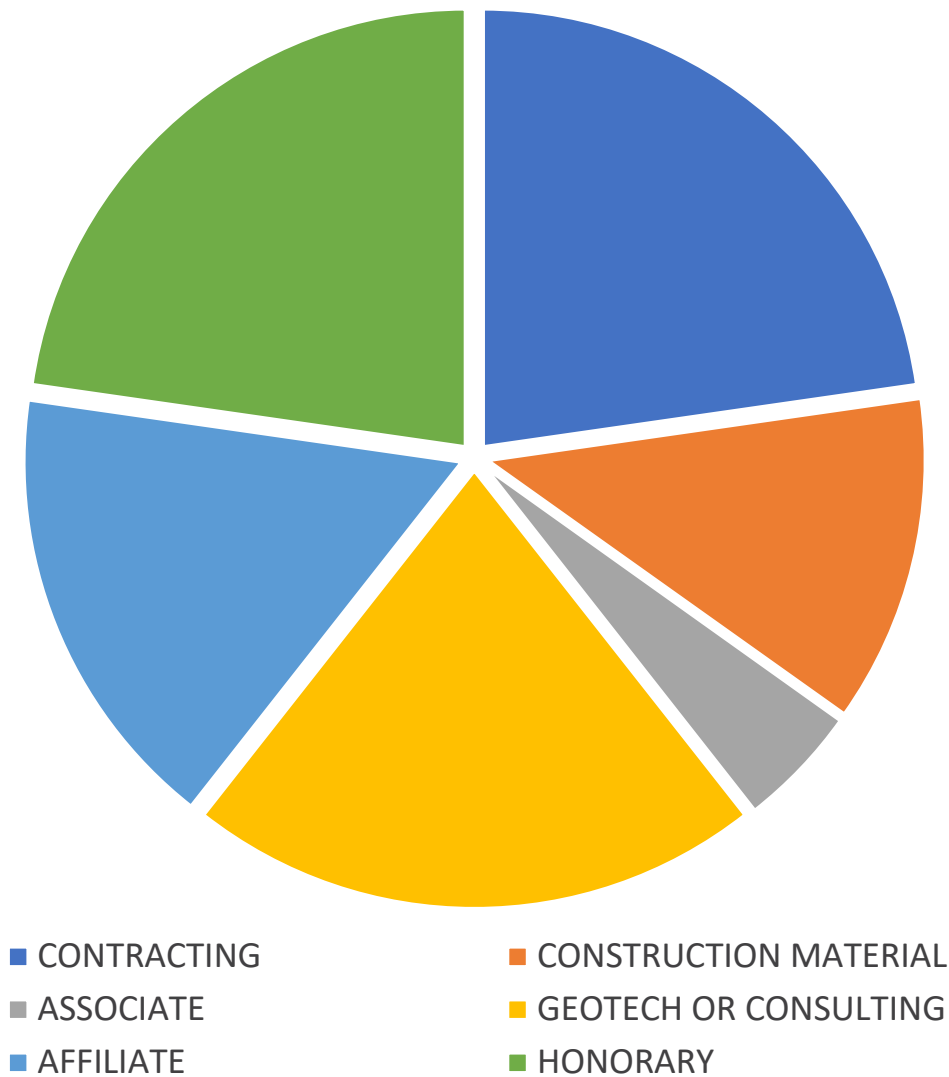
We welcomed the following, who were approved for membership of AustStab in 2022/2023:

- Department for Infrastructure and Transport SA (Affiliate – Institutional)
- Newpave Asphalt (Contracting Member – Category C)
- Roadworx Group Pty Ltd (Contracting Member – Category C)
- WGASA Pty Ltd (Geotech or Consulting Member – Multistate)

Unfortunately, we also said goodbye to the following members:

- All Pavement Solutions (Supporting Contractor)
- Cement Australia (Construction Materials Supplier A)
- Gencon Civil Pty Ltd (Contracting Member – Category D)

Membership Breakdown



President's Report



Through the changing political landscape and weather impacts over recent years across Australia, our industry continues to advance in relation to the role we play in delivering outcomes within infrastructure delivery, maintenance and rehabilitation.

With clearer long term CO₂ emissions targets, a drive for prioritising resilient assets and the ever-increasing need for fiscal accountability throughout levels of government, AustStab must maximise the timely opportunities in continuing to deliver on our strategic plans.

The 2023 financial year resulted in what would generally be described as a buoyant year for our industry. However, we must ensure that we maximise the opportunities that AustStab can provide for our collective, mid to long term benefit and ensure that we adequately inform, educate and influence.

On the financial front, AustStab made a small profit of \$8,537 for the 2023 financial year and we are budgeting a similar outcome for 2024. We have several initiatives identified to look at increasing our revenue, but at the same time have also identified a number of important projects that will result in an increase to our cost base and ultimately lead to a neutral outcome.

To deliver on strategic objectives, the voluntary input from members is critical and we would encourage further input and participation from our member base to assist, particularly in delivering on the priorities of our state based working groups. Thank you to those volunteers who have assisted in the past 12 months. We have a great community within our industry and it is enjoyable to connect and collaborate with such a passionate and diverse group.

Looking ahead, some headline initiatives we are currently prioritising include the following:

- Increasing our educational offerings beyond our current CPEE Stabilisation Fundamentals course
- Resolving technical and design-based impediments that prevent further use of pavement recycling
- Improving industry standards to ensure best practice processes and resources are utilised, particularly by new and emerging contractors
- Ensuring policy makers and asset owners are better informed on the benefits of pavement recycling and stabilisation, particularly with regards to reducing CO₂ footprint, and
- Updating our technical library to maximise value for stakeholders.

Finally, thank you to our AustStab team of CEO, Stuart Dack and Administration Manager, Kristy Reynolds for their ongoing contribution and I look forward to continuing to work alongside you in the year ahead.

I look forward to the opportunity to promote and celebrate our industry at our upcoming annual conference and wish our industry a prosperous and safe year ahead.

A handwritten signature in black ink, appearing to read 'Daniel Orriss'. The signature is stylized with overlapping loops and a long horizontal stroke at the end.

Daniel Orriss
President

CEO Report



This year has seen a pleasing return to almost normal operations with few if any restrictions, despite the ongoing risk of infection. Personally, I think I've caught almost every form of respiratory virus at some time over the last 3 years! This period has also seen a significant ramping up of action to mitigate carbon emissions, with many key industry bodies exploring ways to reduce energy consumption across infrastructure construction and maintenance activities. Aside from any potential for greenhouse gas (GHG) emissions to contribute to climate change, it makes sense to reduce energy consumption as a way of reducing costs. Coupled with this has been an increased focus on waste utilisation, particularly where some waste materials can provide significant engineering value. It is in this regard that

the benefits of pavement recycling and stabilisation need to be more widely recognised. AustStab has been actively building robust case study assessments of the emission savings that can be delivered through pavement recycling and stabilisation. And it is imperative that such a task be done impartially and without 'greenwashing' the message. With this in mind, the development of the Sustainability Assessment Tool for Pavements (SAT4P) under a collaboration between the National Asset Centre of Excellence (NACoE) and the Western Australian Road Research and Innovation Program (WARRIP) is hoped to bring a unified approach to calculating lifecycle GHG and cost benefits to pavement design and rehabilitation treatments across all Australian road agencies.

State road agencies are also looking at waste stream utilisation and resource management. This again provides an opportunity to flag the benefits of pavement recycling and stabilisation, which can provide reductions in the need for valuable virgin granular materials and reduce the disposal of material to landfill. Pavement recycling and stabilisation also brings an opportunity to utilise recycled materials such as fly ash and slag, along with an emerging range of new waste streams. One such stream is processed paint waste as a polymeric stabilisation material. Paintback, which is an industry-led initiative designed to divert unwanted paint and packaging from ending up in landfill and waterways, has funding from Sustainability Victoria to undertake commercialisation activities and is looking to establish a pilot plant for production. The material has shown promise in research work reported by ARRB at our conference in August and AustStab has been in discussions with Paintback to investigate the opportunity to collaborate on trials.

Collaboration with other organisations across industry has continued to be a focus for AustStab this past year. As covered later in this report, AustStab struck an agreement with NATSPEC to work with them on an annual basis to review and update their AUS-SPEC stabilisation specifications, with the first expanded set of specifications published in October last year. AustStab also collaborated with the Institute of Public Works Engineering Australasia (IPWEA) in South Australia to develop a series of Tech Talks aimed at raising awareness of pavement recycling and stabilisation. Leveraging industry relationships such as these is an important and effective way for AustStab to achieve its strategic objectives. Another opportunity has more recently been developed with the Australian flexible Pavement Association (AfPA) who has invited AustStab to collaborate on the development and implementation of nationally endorsed insitu stabilisation skills sets.

Consistent with the increasing interest in sustainability and resilience was a Federal Government inquiry into implications of severe weather events on the road network. Many of the submissions made to the inquiry highlighted the resiliency benefits of pavement recycling and stabilisation, particularly the resilience of foamed bitumen stabilisation to the deleterious effects of inundation events.

The growing interest in sustainability, from waste utilisation, emissions reduction, through to longer-lasting and resilient pavements, emphasises the importance for AustStab to 'get the message out.' To this end, we'll be augmenting our current efforts in providing technical guidance, training and education by developing a wider awareness program in 2023/2024 across the full suite of decision makers. However, in doing so we need the involvement of as many players in the industry as possible and less dependence on the current AustStab membership to carry the load. As a relatively small industry association, it remains a fact that we rely heavily on member involvement to deliver our objectives. A recent positive development has been the move of our Administration Manager, Kristy Reynolds from part-time to full-time, which will provide more management resource to our efforts. Kristy has continued to provide exceptional and ongoing support to the association and this year will celebrate 5 years with AustStab – so congratulations Kristy and may there be many more years to come!

Thank you to all the members for your continuing strong and friendly support and engagement in Association activities and programs and to the AustStab Councillors for your ongoing support and guidance. Special thanks must go to the Executive Committee members who have once again provided effective and efficient day-to-day management of Association matters on behalf of the AustStab Council.

I look forward to catching up with our everyone at this year's conference and hopefully meeting throughout the year more in person than online!

A handwritten signature in black ink that reads "Stuart Dack". The signature is written in a cursive, flowing style.

Stuart Dack
Chief Executive Officer
AustStab Limited

Strategy and Objectives

AustStab primarily exists to educate and inform pavement asset owners about the key benefits of and, where appropriate, influence the uptake of pavement recycling and stabilisation based on extensive technical and operational knowledge and experience, and on quantified economic, sustainability and social benefits. AustStab aims to deliver these objectives through training, educational, promotional and influencing programs and by establishing and maintaining AustStab as the centre of technical and operational excellence within the industry.

AustStab Council has continued to review its strategic priorities with the key objectives to:

- Reset the strategic direction of AustStab consistent with current and future market trends and key stakeholder needs
- Provide a clear vision and strategic plan to grow the utilisation of pavement recycling and stabilisation in pavement construction and maintenance and related works
- Outline the required organisational structure and resources required for delivery of the plan
- Develop strategic objectives that clearly define the priority programs and tasks to be implemented across all AustStab activities, including those of both national and state working groups, and
- Provide a framework for better coordination and greater collaboration across AustStab and with key stakeholders and industry groups.

“A compelling theme within the strategic purpose of AustStab is to promote the need to recycle existing materials and utilise stabilisation technologies to deliver engineering, sustainability and social benefits in the construction and maintenance of pavement and civil infrastructure assets.”

In 2022/2023 the focus has been on the further implementation of the updated Strategic Plan. As a key outcome of the strategy review, the revised organisational structure has now been implemented with the expectation that it will more efficiently and effectively deliver the AustStab strategic objectives – principally around the key pillars of:

- Technical and Operational Excellence
- Education
- Information, and
- Influence.

This implementation is centred around the operation of key national working groups whose purpose is to deliver key programs under the portfolios of:

- Technical
- Marketing and Promotions, and
- Training and Education.

More on the operation of the revised organisational structure is provided later in this report

Structure and Management

AustStab Council







Name	Company	Membership Category	Period
President			
Daniel Orriss	SPA	Category A – Full Contracting	25/07/2018 +
Vice President			
Simon Abrahams	Downer	Category A – Full Contracting	13/02/2020 +
Company Secretary			
Stuart Dack	AustStab	CEO and Company Secretary	24/07/2019 +
Councillors			
John Boocock	Hiway Group	Category A – Full Contracting	28/02/2013 +
Joseph Borg	Graymont	Category A – Construction Material	24/07/2019 – 30/06/2022
Brad Brown	Graymont	Category A – Construction Material	11/08/2022 +
Allen Browne	Hiway Group	Category A – Full Contracting	25/07/2018 +
Heath Curnow	Stabil-Lime	Category A – Full Contracting	23/10/2008 +
Tom Curnow	Stabil-Lime	Category A – Full Contracting	13/08/2013 +
Tony Egan	Downer	Category A – Full Contracting	16/03/2022 +
Stewart Geeves	AWC	Category C – Full Contracting	11/10/2005 +
Marcia Kelly	THE Mining	Category A – Full Contracting	27/08/2020 +
David Lansbury	THE Mining	Category A – Full Contracting	27/08/2020 +
Christopher Lunson	RoadTek	Category E – Government Contracting	27/08/2020 +
Peter Metcalfe	WA Stabilising	Category B – Full Contracting	26/11/2020 +
Craig Pinson	Stabilcorp	Category C – Full Contracting	18/06/2020 +
Nigel Preston	Viva Energy	Category B – Construction Material	27/07/2017 +
David Scicluna	Accurate	Category C – Full Contracting	28/08/2014 +
Warren Smith	SPA	Category A – Full Contracting	30/04/1999 +

Council Meeting Attendance Record

Council Members	11/08/22	27/10/22	09/02/23	04/04/22
Simon Abrahams	✓	✓	✓	✓
John Boocock	x	✓	✓	✓
Brad Brown	✓	x	✓	✓
Allen Browne	✓	✓	x	✓
Heath Curnow	✓	x	x	x
Tom Curnow	x	x	x	x
Stuart Dack	✓	✓	✓	✓
Tony Egan	x	✓	✓	✓
Stewart Geeves	✓	✓	✓	✓
Marcia Kelly	✓	✓	✓	✓
David Lansbury	✓	x	x	✓
Christopher Lunson	✓	✓	✓	✓
Peter Metcalfe	x	x	✓	✓
Daniel Orriss	✓	✓	✓	✓
Craig Pinson	✓	x	x	✓
Nigel Preston	✓	✓	✓	✓
David Scicluna	x	✓	✓	✓
Warren Smith	✓	✓	✓	✓

Councillor Biographies

	<p>Daniel Orriss – President</p> <p>Daniel is Executive General Manager for Stabilised Pavements of Australia and has been an AustStab Councillor since 2018, was Vice President from 2018 to 2021, and is current association President. Daniel has a passion for the stabilisation industry having worked in operational, business development and leadership roles across pavement rehabilitation for nearly 20 years throughout Australia and Asia. Daniel has been a steady contributor towards AustStab for over 10 years through roles including chair of various AustStab state and national working groups and a regular presenter of the face-to-face CPEE courses on Stabilisation Fundamentals from 2010 through to 2020.</p>
	<p>Simon Abrahams – Vice President</p> <p>Simon is National Manager of the Airports, Specialist Pavements and Pavement Rehabilitation Group at Downer and is the current AustStab Vice President.</p> <p>With more than 30 years' experience delivering engineering and construction projects across Australia, Simon brings a wealth of expertise in both traditional civil construction and specialised pavement recycling projects, servicing a wide range of asset custodians across the transport and related industries. Actively seeking best-for-industry solutions, upholding exceptional professional values, and taking his teams on a journey of innovation and sustainability, strong safety focus, and high-quality delivery, are all hallmarks of Simon's leadership style.</p>
	<p>Stewart Geeves – Immediate Past President</p> <p>Stewart is Project Manager at Andrew Walter Constructions (AWC). Prior to commencing work with AWC in 1996, Stewart worked for the Tasmanian Department of Main Roads spending periods in road design, bridge and hydraulic design and carrying out geotechnical and pavement investigations and pavement design. He also spent 6 years in construction works with the DMR/DoC/Works Tasmania in Ulverstone. As part of his work with AWC, Stewart has been involved in all facets of project management, design and construction associated with roadworks. He was there at the start of AWC's work in road pavement and subgrade stabilisation in 1996 and remains actively involved in stabilisation projects including scoping, quoting and supervision to this day.</p> <p>Stewart has been a board member of the Civil Contractors Federation Tasmania for many years and a Director of AustStab since 1998, including the being President from 2018 to 2021.</p>
	<p>John Boocock</p> <p>John is the Managing Director at Hiway Group. He is a pioneer of stabilising with over 35 years' experience in the industry, having started his career in the small Hiways family business founded in 1986 that is now one of the largest stabilising businesses in Australasia.</p> <p>John has been heavily involved in every facet of stabilisation from the ground up and his focus now is on recycling, using what's available in the best way possible.</p>
	<p>Brad Brown</p> <p>Brad Brown is the Sales Director – Northern Region for Graymont. As part of his various roles over his 20 years in the lime business, Brad has been involved with AustStab as chair of the Lime Working Group and on AustStab Council from 2013 to 2017, rejoining the Council in 2022. During a brief sabbatical over 2017 to 2020, Brad worked in asphalt and fast-setting concrete pavements in sales and operational roles, further broadening his experience and understanding of the pavements industry. Brad is also active with the Institute of Quarrying (IQA) and is currently the treasurer for their Hunter, NSW sub-branch.</p>
	<p>Allen Browne</p> <p>Allen is the Executive General Manager Technical & Innovation with the Hiway Group and heads the professional services team providing technical guidance for research, design and construction operations throughout Hiway's divisions in New Zealand and Australia where there are many differences in design/construction protocols and specifications.</p> <p>Allen is an active member of a number of industry groups including the National Pavements Technical Group in NZ and AustStab, where he has been a Councillor for several years and contributes as the AustStab Technical Portfolio Lead to the recently implemented AustStab Technical Working Group. Pre-COVID, Allen visited Australia more than 30-times for work in 2019 and the Oz accent is coming along nicely!</p>

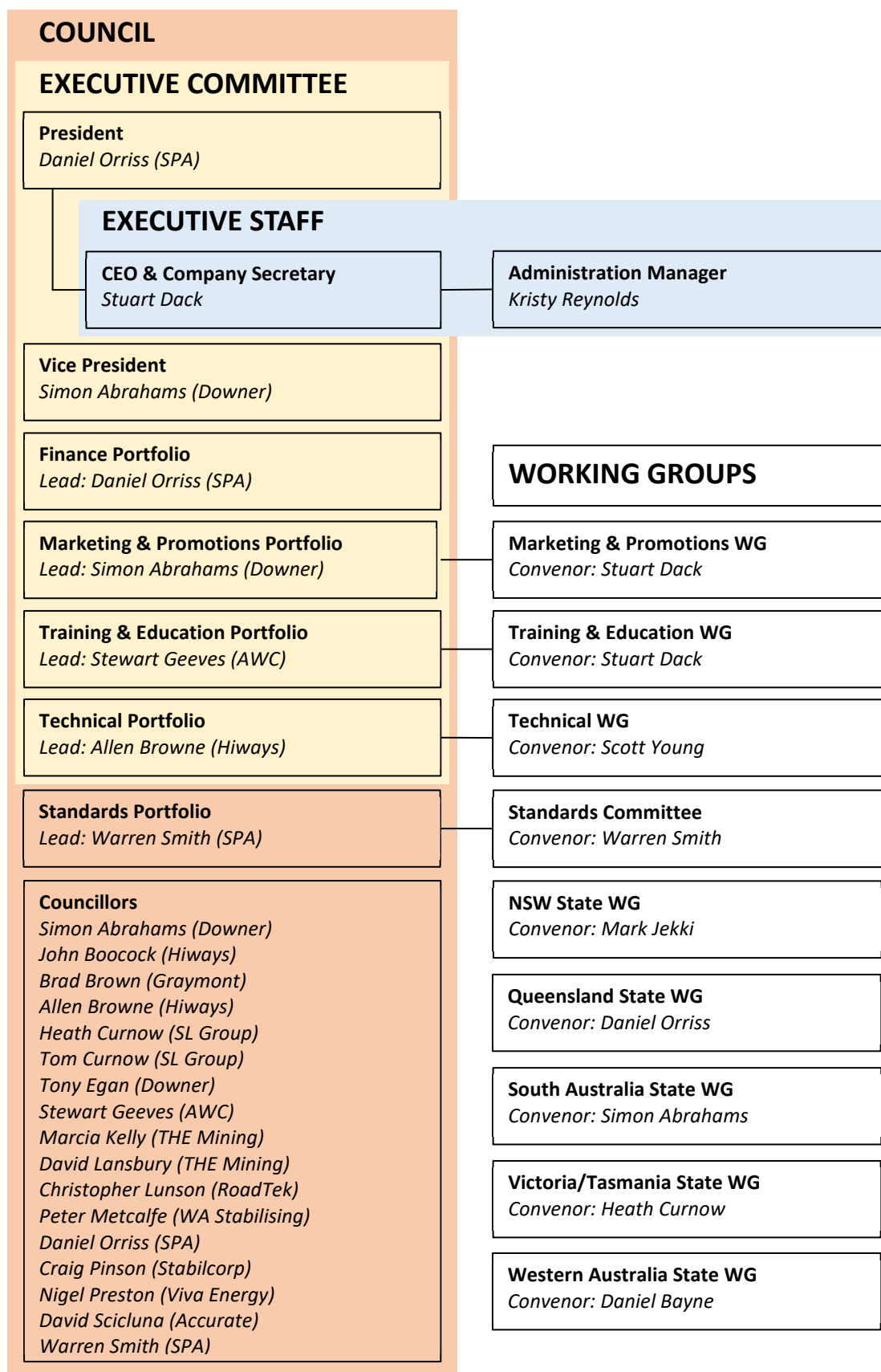
	<p>Heath Curnow</p> <p>Heath is the Business Development Manager of the Stabil-Lime group of companies, the core business of which is stabilisation and road recycling and is also vertically integrated to include road surfacing and maintenance activities.</p> <p>Based out of Victoria, Heath has been involved in stabilisation works across Australia, particularly in Victoria, NSW, WA, NT and SA. From starting out operating spreaders and mixers 30 years ago, Heath went on to gain an engineering degree with honours from Monash University, then went on to work in the UK stabilising and earthworks industry for several years before returning to Melbourne and joining the Stabil-Lime group 20 years ago.</p> <p>Heath served as AustStab President for 3 years from 2013 to 2015, has chaired several AustStab working groups and still serves on the AustStab Council.</p>
	<p>Tom Curnow</p> <p>Tom is the CEO of the Stabil-Lime group of companies. Tom has over 40 years' experience in the stabilising industry, including design of pavements and subgrade stabilisation. He is a founding member and Past President of AustStab, having served in that role from 2003 to 2005 and still serves on the AustStab Council.</p>
	<p>Tony Egan</p> <p>Tony has been in the Civil Engineering and Construction industry for 30 years. His current role is Construction Manager for the Downer Group in their Victoria/Tasmania Road Rehabilitation section in Road Services. He has worked in Ireland, Europe and Southern Africa, but has spent the last 10 years in Australia dividing time between Western Australia and Victoria. His experience has run the gamut from tunnelling to road and building construction. He is a qualified engineer with a Masters in Contract Law.</p>
	<p>Marcia Kelly</p> <p>Marcia has a diverse work history in both Australia and abroad with high-level experience in leadership and management roles, including management of multimillion-dollar projects, people and human resources, HSEQ, and workforce development and training across multiple industry sectors, including mining, civil and building construction, oil and gas, and Government.</p> <p>Marcia brings particular expertise in safety audits, investigations and compliance, Government liaison, stakeholder management and tender development and has comprehensive knowledge of finance, management, business, organisational development, and staff management.</p> <p>Marcia thrives in challenging environments and through her experience as both a CEO and Project Director in an international environment, brings high level communication, consultation and negotiation skills and engagement experience in liaison with Government, national and international companies and clients, along with an enjoyment in building team and company capability.</p>
	<p>David Lansbury</p> <p>David is an entrepreneurial, innovative senior-level operations manager with diverse industry experience across manufacturing, call centre operations, sales and distribution.</p> <p>David brings particular skills in operations management, driving performance, strategic leadership, client and vendor management, and the training and development of staff to accomplish operational excellence.</p>
	<p>Christopher Lunson</p> <p>Chris is an Executive Director with RoadTek, a commercial contracting business within the Queensland Department of Transport and Main Roads (TMR). Chris has over 20 years' experience, specialising in civil construction, project, program and business management. Through experience in managing various projects and operations across Queensland, Chris has developed an approach based on relationships, optimisation and leadership.</p>

	<p>Peter Metcalfe</p> <p>Peter is the Chief Executive Officer at Hiway Group, with experience spanning over 37 years in the infrastructure sector covering capital construction, road maintenance, quarrying, pavement stabilisation, geotechnical and asphalt manufacturing, with extensive experience in the New Zealand and Australia infrastructure industry over the last 10 years.</p> <p>With an entrepreneurial flair from multiple own business operations combined with senior leadership and executive positions in large corporates, Peter has been able to deliver an outstanding track record of achievement, including business transformations, organisational growth and industry governance.</p> <p>Peter brings a high level of technical, operational and commercial experience enabling him to provide inspirational business leadership and strategic direction, and as a driven professional, is a highly respected, relationship orientated, visionary senior leader.</p>
	<p>Craig Pinson</p> <p>Craig first started in business in 1986 in Sydney NSW undertaking small excavations and concreting works with a small team of four. After moving to the Mid-North Coast of NSW in 1990, Craig started subcontracting to Local Government in road maintenance. By early 2000, his business expanded into larger civil works and entered the asphalt market quickly followed by a move into heavy patching using stabilisation. By 2010, Craig's business employed 70 staff across asphalt, civil construction and stabilisation divisions. Now, after 35 years in business, Stabilcorp remains a successful and highly respected family business with stabilisation forming more than 60% of its activity.</p> <p>Craig has been involved in AustStab since 2013 and has held a position on the AustStab Council since 2020.</p>
	<p>Nigel Preston PhD, FIAT</p> <p>Nigel Preston is the Bitumen Technical Manager for Viva Energy Australia based in Sydney where he coordinates technical marketing activities for bitumen across all Australian states covering aspects of work as diverse as customer support, quality control, feedstock management, and product promotion activities.</p> <p>In addition to being an AustStab Council member, Nigel works closely with the Australian flexible Pavement Association (AfPA) on a number of industry issues, sitting on their National Technology Leadership Committee (NTLC) and chairing their NTLC Binders Group.</p> <p>Nigel holds a PhD in Civil Engineering from Nottingham University and is a Fellow of the UK Institute of Asphalt Technology (IAT).</p>
	<p>David Scicluna</p> <p>David is the Managing Director of Accurate Asphalt & Road Repairs Pty Ltd.</p> <p>David is a self-motivated, driven and determined individual who grew up in a family business and has now developed a history with his own businesses spanning 30 years. David is currently the owner and director of a thriving asphalt and stabilisation business established in 2001 operating from the Hunter area of NSW – Accurate Asphalt & Road Repairs.</p> <p>David has been a member of the AustStab Council since August 2014.</p>
	<p>Warren Smith</p> <p>Warren is a qualified Civil Engineer and Geologist with over 45 years' experience in pavement design and construction and for the last 40 years has worked specifically in the stabilisation and rehabilitation industry in both insitu and pugmill work. This work has involved the development of different methods and procedures of stabilised pavement design and construction in many varied situations throughout Australia and abroad. He has also made a significant input to the ongoing introduction of new technologies in both stabilisation equipment and additive fields.</p> <p>Warren is one of Australia's most experienced engineers in the fields of stabilisation and road rehabilitation and as such is frequently involved in seminars and workshops with state and local government authorities, consultants and other interested groups throughout Australia and internationally, including Europe, Asia and the Pacific Rim region. Warren has been at the forefront of communicating the environmental benefits of using stabilisation techniques, especially for recycling works.</p>

AustStab Organisation

The AustStab organisational structure for 2022/2023 is shown below.

AUSTSTAB LIMITED



AustStab Working Groups and Organisational Restructure

AustStab has continued to develop its new national working group structure over the course of 2022/2023 – the new structure operates with the following imperatives:

- All working group activities are connected through a line of management to the AustStab Council and are undertaken in line with the agreed AustStab strategy and objectives
- Management of and reporting on the progress of key AustStab strategic objectives is the responsibility of selected AustStab Council members who act as Portfolio Leads on behalf of the AustStab Council
- National working groups operate under agreed Terms of Reference that clearly align their purpose and define their priorities to the agreed AustStab strategic objectives, and
- National working groups are formed to cover the key portfolios of Finance, Standards, Technical, Marketing and Promotions, and Training and Education.

The AustStab Executive Committee includes the Portfolio Leads alongside the President and Vice President and acts as the principle operating management committee of AustStab on behalf of the AustStab Council.

State working groups operate in Queensland, New South Wales, South Australia, Victoria/Tasmania and Western Australia. The purpose of state working groups is to address local state issues, including local specifications, regulations, operational safety, and to liaise with their local state road authority and other local industry groups.

The state and national working groups have been active through 2022/2023 undertaking a variety of tasks either delivering on AustStab strategic objectives at a national level or addressing specific local issues at a state level, including regular liaison with the local state road authorities. Special thanks are due to all the AustStab working group members for their contribution and especially to the working group convenors and Portfolio Leads.

Register of Office Bearers

President	Daniel Orriss	Stabilised Pavements of Australia
Vice President	Simon Abrahams	Downer
Company Secretary	Stuart Dack	AustStab
Finance Committee Chairman	Daniel Orriss	Stabilised Pavements of Australia
Standards Committee Chairman	Warren Smith	Stabilised Pavements of Australia
Portfolio Lead – Technical	Allen Browne	Hiway Stabilizers
Technical WG Convenor	Scott Young	Stabilised Pavements of Australia
Portfolio Lead – Marketing & Promotions	Simon Abrahams	Downer
Marketing & Promotions WG Convenor	Stuart Dack	AustStab
Portfolio Lead – Training & Education	Stewart Geeves	AWC
Training & Education WG Convenor	Stuart Dack	AustStab
New South Wales State WG Convenor	Mark Jekki	Downer
Queensland State WG Convenor	Daniel Orriss	Stabilised Pavements of Australia
South Australia State WG Convenor	Simon Abrahams	Downer
Victoria/Tasmania State WG Convenor	Heath Curnow	Stabil-Lime Group
Western Australia State WG Convenor	Daniel Bayne	WA Stabilising

Activities and Issues Report

AustStab/ARRB Accreditation

An important strategic objective of AustStab is to ensure that pavement recycling and stabilisation works are carried out to best practice and deliver high-quality outcomes. The AustStab/ARRB Accreditation Scheme provides this assurance through an independent assessment of quality to ensure that accredited contractors safely provide a consistently higher quality product. All accredited contractors are assessed for their understanding of the stabilisation process, theory and practice and, to be eligible to be certified under the scheme, must actively carry out pavement stabilisation works or supply plant mixed stabilised materials.

AustStab remains committed to the delivery of high-quality pavement recycling and stabilisation works and as such has continued to audit contractors to ensure full compliance to the requirements of the AustStab/ARRB Accreditation Scheme. The scheduling and conduct of audits throughout 2022/2023 have remained problematic following the COVID-19 pandemic. Despite these constraints, during this period accreditation audits were conducted on AustStab contracting members AWC, WA Stabilising and Accurate Asphalt and Road Repairs, with successful outcomes in each case.

A deep review of the AustStab/ARRB Accreditation Scheme remains a priority with the primary objective of ensuring its continued relevance to the key stakeholders of AustStab, particularly those state road authorities that mandate the use of Certified contractors. The review aims to deliver an accreditation audit process that is better targeted at and adequately validates the essential quality requirements of stabilisation works, including ensuring an adequate understanding and compliance to specifications and construction quality standards. Initial discussions have taken place between ARRB and AustStab to explore the development of a more comprehensive and robust audit scheme and to ensure the roles and responsibilities of each organisation are appropriately defined and agreed.



Training and Education

A key component of the annual AustStab education and training program is the Stabilisation Fundamentals course run across Australia every year in conjunction with the Centre for Pavement Engineering Education (CPEE). With the further easing of COVID-19 restrictions, the 2022/2023 program saw the reintroduction of regular in-person courses in tandem with online courses, with the conduct of the following online and in-person courses:

Online courses

- August 2022 (12)
- October 2022 (19)
- May 2023 (22)

In-person courses

- December, Hobart 2022 (23)
- February, Melbourne 2023 (9)
- June, Sydney 2023 (22)
- June (private course) 2023 (14)



Course facilitation arrangements changed at the end of 2022 with the departure from CPEE of Kym Neaylon after many years of dedicated service and AustStab wishes to acknowledge and thank Kym for his guidance and support of AustStab over many years.

The online courses are conducted in segments over two days and have remained popular with attendees, thanks mainly to the presenters, Colin Leek and Scott Young. Scott Young and his employer Stabilised Pavements of Australia must again be thanked for contributing Scott's significant time and effort towards the conduct of the online courses.

STABILISATION FUNDAMENTALS

Presented Online by CPEE



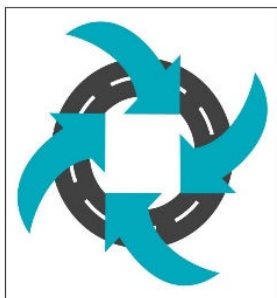
Centre for Pavement Engineering Education

This practical course by live webinar is presented in two half day packages of two sessions each, with an optional workshop session. It will briefly review the types of stabilisation before more detailed presentations on types of binders, material characteristics, design and mix detailing. A feature of this course is its significant practical and project-based content which aims to provide advice on road stabilisation solutions.

The Austroads Guides to Pavement Technology – Part 4D, *Stabilised Materials*, and Part 4L, *Stabilising Binders*, and the AustStab *Pavement Recycling and Stabilisation Guide* are used as the key references.



The re-introduction of in-person courses has seen the regular return of Geoff Webb as lead presenter, along with support from contractor member representatives, Stewart Geeves (AWC), Chris Cleaton (SPA), Sacha Hilbrink (SPA) and Scott Young (SPA).



Australian Pavement Recycling and Stabilisation Conference

Sustainable Pavements for Future Generations

Pullman Albert Park, Melbourne • 22nd August 2023

The inaugural *Australian Pavement Recycling and Stabilisation Conference*, originally planned to take place in 2020, was successfully held in August 2022 and provided a welcome relief from online interactions – presentations are available on the AustStab website at www.auststab.com.au/conference-2022/.

The 2nd *Australian Pavement Recycling and Stabilisation Conference* will take place at the Pullman & Mercure – Albert Park, Melbourne on the 22nd August 2023. The conference will be preceded by the traditional AustStab Golf Championship and the AustStab Annual General Meeting will take place following the conference on Wednesday 23rd August 2023.

Conference speakers and presentations

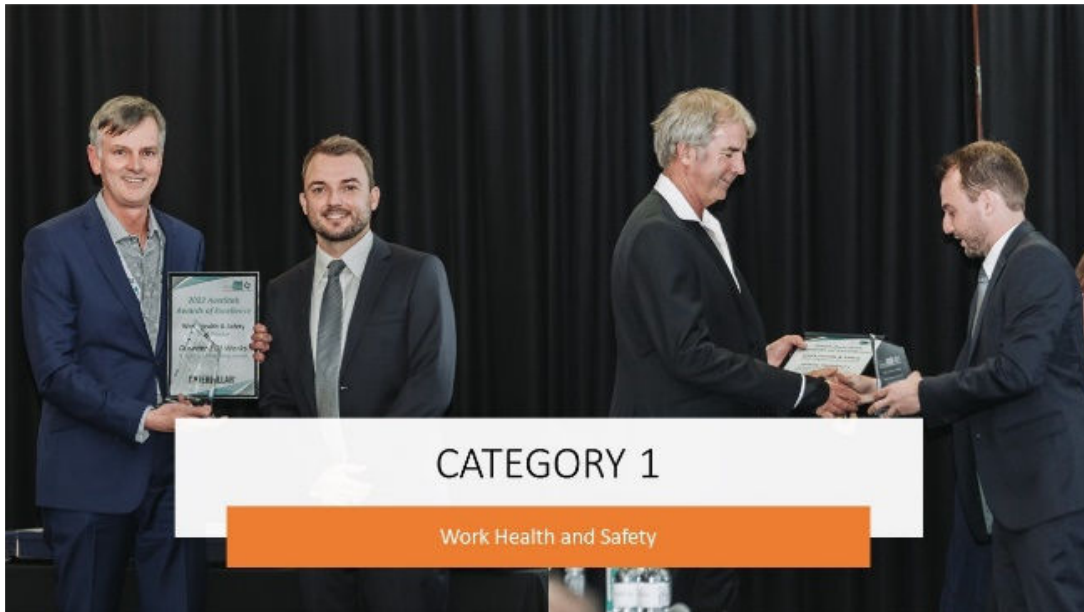
- Keynote: Michael Caltabiano, Chief Executive Officer, National Transport Research Organisation
- Keynote: Tony Aloisio, former Director, ecologiQ, Major Road Projects Victoria
- Keynote: Charles Webster, North East Maintenance Alliance Manager, DM Roads
- *Foamed Bitumen and Cement Stabilisation of Recycled Material Blends*
– Dr James Grenfell, National Transport Research Organisation and Meera Creagh, Queensland Department of Transport and Main Roads
- *Outcome of the NACoE Insitu Slaking of Quicklime Trials*
– Damian Volker, Queensland Department of Transport and Main Roads
- *Evaluation of the Austroads Grading Envelope for Host Materials to be Treated with Foamed Bitumen*
– Scott Young and Shein Tun, Stabilised Pavements Australia
- *A Simplified Approach to the Selection of Pavement Structures Containing Stabilised Materials*
– Kenny Festing, Apexx Engineering Consulting
- *Bay Road Foam Bitumen Stabilisation*
– Joseph Rugari, Downer Group
- *Stabilisation – Blacks Road – Subgrade and Existing Granular Material Stabilisation – a Case Study*
– Damien Edwards, Hiway Stabilisers
- *Foamed Bitumen Stabilisation as a Sustainable Airport Pavement Rehabilitation*
– Dr Greg White, University of the Sunshine Coast
- *Study of the Most Sustainable and Cost-effective Options for Rehabilitating Flexible Pavements*
– Hamidreza Sahebzamani, Sami Bitumen Technologies and Xavier Guyot, Colas International Division
- *Hygiene is Grey – Get the Best out of your Hygienist - John Padgham, RoadTek*

AustStab Awards of Excellence

The AustStab Awards of Excellence celebrate leading practice and innovation in pavement recycling and stabilisation as well as the emergence of new talent in the industry. The 2022 AustStab Awards of Excellence winners and highly commended entries were announced at the AustStab Awards and Gala Dinner – Sponsored by Caterpillar – on Wednesday 11th August 2022 at the Novotel Brighton Beach, Sydney.

Category 1: Work Health and Safety

- **Winner:** Matt Billings, Downer EDI Works, *Ground Level Fuelling System*
- **Highly Commended:** Mark Dexter, Hiway Stabilizers, *Sharpening your Senses – Managing Variability in the Work Environment*



Category 2: Industry Excellence in Consulting, Research or Education

- **Winner:** Alana Isbister, Stabilised Pavements of Australia, *Successful Starts*
- **Highly Commended:** Janitha Madhavia Migunthanna, Swinburne University of Technology and SPARC Hub, *Development of Geopolymer Concrete using Waste Clay Brick as Binder for Pavement Construction*



Category Three: Excellence in Sustainability or Innovation

- **Winner** Troy Carrigan, Hiway Stabilizers, *Horrocks Highway LBCM*
- **Highly Commended:** Chris Cleaton, Stabilised Pavements of Australia, *Merimbula Airport Foamed Bitumen Stabilisation*



Category Four: Excellence in Pavement Recycling and Stabilisation in Local Government

- **Joint Winner:** Mohamed Dewji, Liverpool Council, *Stabilisation Advocation & Leading Pavement Recycling Innovation in Local Government*
- **Joint Winner:** Nathan Jacobs, WA Stabilising, *City of Melville Foam Bitumen Stabilisation*



Category Five: Young Stabiliser of the Year

- **Winner:** Ellah Black, Hiway Stabilizers



AustStab Awards of Excellence – 2023

The 2023 AustStab Gala Dinner and Awards Night on 22nd August 2023 will provide another opportunity to celebrate excellence in pavement recycling and stabilisation with the following finalists announced.

Category 1 – Work Health and Safety – Finalists

- Stabilised Pavements of Australia – *Daily Prestart Improvements*
- Hiway Stabilizers – *Virtual Reality Revolutionizing Training: A Tool for Skills Development*
- Department of Transport and Main Roads Queensland – *Queensland Insitu Stabilisation Specification Amendments to Reduce the Risks of Respirable Crystalline Silica (RCS) Dust*

Category 2 – Industry Excellence in Consulting, Research or Education – Finalists

- RMIT University and SPARC Hub – *Transforming Municipal Solid Waste-to-Energy Incineration (MSWI) Ash into a Sustainable Solution for Pavement Stabilisation*
- Stabilised Pavements of Australia – *SPA Foamed Bitumen VOC Process*
- Monash University – *Dust Estimation on Unsealed Roads Using Artificial Intelligence and Mitigation through Bituminous Emulsion Treatment*

Category 3 – Excellence in Sustainability and Innovation – Finalists

- Stabilime Distributors – *Taylor's Road Project*
- Hiway Stabilizers – *Sydney Gateway Project*
- Department of Transport and Main Roads Queensland – *Application of Lean Construction Methodology for Stabilisation Works in Queensland*

Category 4 – Excellence in Pavement Recycling and Stabilisation in Local Government – Finalists

- Downer and South Gippsland Shire Council – *Mine Haul Road Maintenance Technology, but on a Smaller Scale*
- Bass Coast Council – *Recycling Island Resources*
- Hiway Stabilizers – *Carcuma Road – Pavement Widening and Unsealed Section Pavement Upgrade using Insitu Recycling by Stabilisation*

Category 5 – Young Stabiliser of the Year

- Cameron Hopkins – Stabilised Pavements of Australia
- Chirag Karsan – WA Stabilising



Colin Leek was awarded Honorary Membership of AustStab at the 2022 AustStab Gala Dinner and Awards Night in recognition of his significant contribution to the pavement recycling and stabilisation industry over many years.



Stewart Geeves was recognised for his term as President and Vice President over the period 2015 to 2021 with a presentation at the 2022 AustStab Gala Dinner and Awards Night.

Industry Activities and Collaborations

AustStab has actively collaborated with key stakeholders across local and state government, educational institutes, and a wide variety of industry groups and organisations, including:

- Australian flexible Pavement Association (AfPA)
- ARRB Group, now known as the National Transport Research Organisation (NTRO)
- Austroads
- Centre for Pavement Engineering Education (CPEE)
- Department for Infrastructure and Transport, South Australia (DIT)
- Department of Transport and Main Roads, Queensland (TMR)
- Department of Transport and Planning, Victoria (DTP) and ecologiQ
- Institute of Public Works Engineering Australasia (IPWEA)
- Infrastructure Sustainability Council (ISC)
- Main Roads, Western Australia (MRWA)
- NATSPEC
- Roadmarking Industry Association of Australia (RIAA)
- Roads Australia (RA)
- SARA Group
- SPARC Hub
- Standards Australia
- State Growth, Tasmania
- Transport for New South Wales (TfNSW)
- Traffic Management Association of Australia (TMAA)

Austroads

AustStab is actively involved in a number of Austroads forums, including:

- Pavement Task Force (PTF) – Stakeholder/Industry Member
- Pavement Structures Technical Group (PSTG) – Active Member
- Bituminous Surfacing Technical Group (BSTG) – Corresponding Member
- Asphalt Research Technical Group (ARTG) – Corresponding Member

Involvement in these Austroads groups provides AustStab with the opportunity to engage with Austroads member organisations, including the various Australian road agencies and local government. This involvement includes participation in the proposal and prioritisation of research projects, along with the management and review of projects during their conduct.

Of specific interest to AustStab is the work of the Pavement Structures Technical Group (PSTG) with several projects under their stewardship being particularly relevant to the stabilisation industry. Another initiative of interest to AustStab members is Project ASP6089, which is managed by the Austroads Project Delivery Task Force.

Austroads also manages the *National Prequalification System for Civil (Road and Bridge) Construction Contracts*, a scheme that covers a range of activities across road construction and maintenance. AustStab is continuing to develop ways in which it can assist Austroads and its member agencies to better define the necessary competency requirements of stabilisation contractors within the scheme.

Current active projects

Project APT6329 *Method for considering remaining life in the design of pavement rehabilitation treatments*

Commenced: 28th December 2021

Completion due: 13th December 2023

This project aims to provide improved methods for the mechanistic-empirical design of pavement rehabilitation treatments. Module 1 of this project will deliver a method for considering remaining life in the design of pavement rehabilitation treatments and will outline a new process for the assessment of the structural capacity and remaining life of pavement structures that include existing aged and trafficked bound materials.

Project ASP6089 *Austrroads Technical Specifications*

Commenced: 1st May 2018

Completion due: 31st December 2023

This project aims to develop Austrroads Technical Specifications as a comprehensive and nationally harmonised suite of specifications for the construction of roads and bridges. The Austrroads Technical Advisory Group is made up of a senior representative from each Austrroads member organisation and oversees development of the specifications. Austrroads is consulting with industry and all jurisdictions as each specification is developed.

The Austrroads Technical Specifications (ATS) will supplement or replace many of the existing road agency specifications, but will still allow for agency specific requirements.

The current program includes the development of harmonised specifications covering bound and unbound pavement construction and insitu and plant mix stabilisation, including foamed bitumen stabilisation. AustStab will be involved in a working group tasked with developing the flexible pavement specifications.

Project EAS6362 *WMAPT update of temperature projections*

Commenced: 28th September 2022

Completion due: 17th July 2023

The purpose of this project is to update the Weighted Mean Annual Pavement Temperature (WMAPT) projections in Austrroads Guide to Pavement Technology Part 2: Pavement Structural Design.

Project EAS6380 *Development of tool for measuring embodied carbon and recycled content of infrastructure*

Commenced: 14th August 2023

Completion due: 23rd October 2023

This project aims to investigate options and provide a recommended approach for the development and ongoing hosting of an ANZ tool to estimate, track and report GHG emissions and recycled material use associated with infrastructure construction and maintenance activities.

Proposed projects to commence in 2022/2023

- **Project APT6245** *Develop design procedures for foamed bitumen stabilised pavements*
- **Project APT6248** *AustPADS update*

Proposed projects to commence in 2023/2024

- **Project APT6149** *Update to Guide to Pavement Technology Parts 1, 2, 3 and 4*
- **Project EAS6418** *Long term projections of Weighted Mean Annual Pavement Temperature*
- **Project EAS6420** *Austrroads Technical Specification sustainability review*

Institute of Public Works Engineering Australasia (IPWEA)

AustStab has continued to maintain involvement with IPWEA across their state structure, in particular through the following activities:

- Discussions with the IPWEA NSW Roads and Transport Directorate on the performance evaluation of stabilisation trials conducted several years ago in collaboration with AustStab – a report is being prepared by IPWEA and is expected to be made available to AustStab later in 2023 prior to consideration of further trials.
- AustStab participated in an IPWEA Victoria Stabilisation Workshop held in Bendigo in February 2023.
- Development with IPWEA South Australia of the following three-part series of Tech Talks on *Pavement Recycling and Stabilisation*, to be presented later in 2023:
 - Session 1: *Introduction and Applications* (online)
 - Session 2: *Investigation and Design Fundamentals* (online), and
 - Session 3: *Performance Outcomes and Case Studies* (in-person breakfast session).
- AustStab presented at the IPWEA Queensland State Conference in October 2022 on *Tailoring stabilisation specifications for Local Government* and at the IPWEA NSW State Conference in March 2023 on *Customising Stabilisation Specifications for Local Government*, the latter as a joint presentation with Nandini Mehta, AUS-SPEC Manager at NATSPEC. These presentations covered the development of AUS-SPEC specifications under the partnership agreement with NATSPEC that will see AustStab undertake an annual review and update of the stabilisation specifications published under the AUS-SPEC Specification Scheme.

NATSPEC

NATSPEC is owned by the design, build, construct and property industry through professional associations and government property groups and has the objective of improving the construction quality and productivity of the built environment through the provision of national specifications.

NATSPEC and AustStab operate under a Partnership Agreement struck in 2022 that defines an arrangement whereby AustStab will develop and annually maintain the technical content of stabilisation specifications published by NATSPEC in their AUS-SPEC specification suite. The initial set of revised specifications were published in October 2022, replacing the previous AUS-SPEC Stabilisation Specification 1113 with the following series of template specifications:

- 111 Formation preparation
 - 1113 *Subgrade and formation stabilisation*
- 116 Pavement stabilisation
 - 1161 *In situ pavement stabilisation using cementitious binders*
 - 1162 *In situ pavement stabilisation using bituminous binders*
 - 1163 *Ex situ (Plant Mix) pavement stabilisation*
 - 1164 *In situ pavement stabilisation of unsealed roads*

Road Associations Forum

In 2021 AustStab joined with other like-minded roading associations, including AfPA, RIAA, RA, SARAH Group and TMAA, with the objective of collectively advocating on issues of mutual importance, including road worker safety and the impact on contract work due to escalating costs.

SPARC Hub

Monash University has acquired Australian Research Council (ARC) funding to establish and operate the ARC Industry Transformation Research Hub (ITRH) for Smart Next Generation Pavements, dubbed as Smart Pavements Australia Research Collaboration (SPARC) Hub. SPARC aims to advance and transform the Australian pavement manufacturing industry by addressing short to longer term transport challenges through high-quality, collaborative research in innovative materials, smart technologies and advanced design, construction and maintenance methods. The overall research program is divided into projects primarily based on industry partnerships. AustStab is a Partner Investigator of the SPARC Hub and an in-kind contributor. Information on the current projects being undertaken within the SPARC Hub program is available at www.sparchub.org.au/projects. A number of projects are of interest with regards to pavement stabilisation, including:

- **Project 1.5** *Soil stabilization for unsealed mine-haul roads*
at <https://sparchub.org.au/projects/project-15-2019>
- **Project 2.1** *Advancements and innovations in bound pavement bases: large scale and pre-implementation testing – foam bitumen*
at <https://sparchub.org.au/projects/project-21-2019>
- **Project 12.1** *Use of bituminous emulsions in and on unsealed roads to improve ride quality, to lower the maintenance costs and to reduce the environmental impacts such as dust suppression*
at <https://sparchub.org.au/projects/project-121-2019>

Standards Australia

AustStab is a Nominating Organisation of Standards Australia with membership positions on Committees CH-025 Bitumen and Related Products (For Roadmaking), BD-098 Pavements and CE-009 Testing of Soils for Engineering Purposes. Standards projects underway or completed by these committees during 2022/2023 include:

Published in 2022/2023

- **AS 1289.3.2.1:2009 REC:2022** *Methods of testing soils for engineering purposes, Part 3.2.1: Soil classification tests - Determination of the plastic limit of a soil - Standard method*
- **AS 1289.3.3.1:2009 REC:2022** *Methods of testing soils for engineering purposes, Part 3.3.1: Soil classification tests - Calculation of the plasticity index of a soil*
- **AS 1289.3.3.2:2009 REC:2022** *Methods of testing soils for engineering purposes, Part 3.3.2: Soil classification tests - Calculation of the cone plasticity index of a soil*
- **AS 1289.3.6.1:2009 REC:2022** *Methods of testing soils for engineering purposes, Part 3.6.1: Soil classification tests - Determination of the particle size distribution of a soil - Standard method of analysis by sieving*
- **AS 2341.4:2023** *Methods of testing bitumen and related roadmaking products, Method 4: Determination of dynamic viscosity by rotational viscometer*
- **AS 2341.15:2023** *Methods of testing bitumen and related roadmaking products, Method 15: Distillation of cutback bitumen*

- **AS 2341.25-2002 REC:2022** *Methods of testing bitumen and related roadmaking products, Part 25: Determination of consistency*
- **AS 2341.27:2022** *Methods of testing bitumen and related roadmaking products, Method 27: Determination of sedimentation*
- **AS 4133.4.2.1:2022** *Methods of testing rocks for engineering purposes, Method 4.2.1: Rock strength tests - Determination of uniaxial compressive strength - Rock strength greater than 50 MPa*
- **AS 4133.4.3.2:2022** *Methods of testing rocks for engineering purposes, Method 4.3.2: Rock strength tests - Determination of the deformability of rock materials and uniaxial compressive strength - Rock strength less than 50 MPa*

AustStab will continue to explore opportunities to participate more widely in Standards Australia in 2022/2023, potentially across the following committees:

- BD-010 Cement
- BD-031 Supplementary Cementitious Materials (Slag, Fly Ash, Silica Fume)
- CE-012 Aggregates and Rock for Engineering Purposes, and
- CE-015 Geotechnical Site Investigations.

State Road Authorities

AustStab actively engages with all state road agencies on a regular basis, either directly or in collaboration with each relevant state working group.

Transport and Main Roads, Queensland (TMR)

- AustStab has maintained a regular dialogue with TMR on a number of important issues, particularly with their Engineering & Technology team – issues covered include:
 - a TMR proposal to develop and implement their Stabilisation Improvement (Accreditation) Project, which aims to train and potentially register individuals involved in stabilisation, such as operators and supervisors
 - Monitoring and mitigation of exposures to respirable dust with a particular focus on Respirable Crystalline Silica exposures
 - Development and implementation of their Sustainability Assessment Tool (SAT4P)
 - Implementation of Intelligent Compaction into stabilisation specifications, and
 - Projects undertaken through the National Asset Centre of Excellence (NACoE) program, including trials of in situ slaking and retarders in LBB compaction.
- AustStab remains committed to developing a more formal and regular dialogue with senior TMR management under an Industry Liaison Group between TMR and AustStab.
- AustStab contributed to the review of proposed amendments to the TMR Materials Testing Manual and TMR stabilisation specifications.
- AustStab participated in TMR workshops to assist in the development of future NACoE research programs. In addition to this involvement, AustStab has suggested consideration be given to establishing a direct dialogue with NACoE on some of the research options raised to allow better communication of the detail and to refine priorities.
- AustStab recognised the impending retirement of Honorary Member Jothi (Rama) Ramanujam in late 2023 after a career spanning over 50 years in the engineering industry around the world, 34 of which were spent with TMR. Rama is recognised for his commitment to developing and improving the process of pavement stabilisation and his willingness to be involved in AustStab activities and to help train and educate industry participants on best practice.

Department for Infrastructure and Transport, South Australia (DIT)

- DIT has now joined all other state road agencies as a member of AustStab.
- Close liaison with DIT has continued over the 2022/2023 period following the formation of an AustStab South Australia Working Group in 2021.
- Several DIT specifications and associated documents have undergone review, including three stabilisation specifications (in situ, ex situ and foamed bitumen), along with the *Sustainability in Design* and *Sustainability in Construction* documents.
- AustStab remains committed to the establishment of a higher-level liaison arrangement with senior DIT management to cover strategic issues of importance to both parties and their key stakeholders.

Transport for New South Wales (TfNSW)

- AustStab presented on *Foamed Bitumen Treatment Options for Heavily Trafficked Roads* at the TfNSW *Pavement Community of Practice 2022* conference in November 2022.
- AustStab participated in the following four TfNSW industry outreach workshops conducted in support of the TfNSW framework for implementing circular economy and decarbonisation commitments – outlined in their *Transport's Sustainability Plan 2021*:
 - Workshop 1: *Baseline Sustainability Requirements*
 - Workshop 2: *Roadmap to Net Zero Infrastructure*
 - Workshop 3: *Design for Decarbonisation and Circularity*, and
 - Workshop 4: *Environmental sustainability – standards and specifications*.

Department of Transport and Planning, Victoria (DTP) and ecologiQ

- AustStab attended the 2022 ecologiQ *Greener Infrastructure* conference, an event which showcased the many opportunities to incorporate recycled and reused materials into road infrastructure in support of the Recycled First Policy of the Victorian Government.
- Substantial progress has been made to address the lack of inclusion of pavement recycling and stabilisation in the ecologiQ guides, however further work is required to address the barriers to uptake of stabilisation presented by DTP specifications.
- AustStab attended a presentation by DTP in July 2023 at which they provided a briefing on their progress and future program to implement the Austroads Technical Specifications into Victoria. Implementation may result in a significant change to current practice given the drive to substantially harmonise these specifications across the Australian state road authorities.

University of the Sunshine Coast

An airport foamed bitumen stabilisation specification was further developed under a collaboration between Dr Greg White from the University of the Sunshine Coast and AustStab and is expected to be completed and published on the AustStab website later in 2023. An AustStab Airport Specification Working Group has been formed to manage the ongoing review, revision and publication of the specification.

Federal Government Submissions

AustStab made submissions to the following two Federal Government initiatives during 2023:

House of Representatives Inquiry into Road Network Resilience

A formal submission was made to the Australian Parliamentary House of Representatives Standing Committee on Regional Development, Infrastructure and Transport *Inquiry into the Implications of Severe Weather Events on the National Regional, Rural, and Remote Road Network*. A total of 93 submissions were made to the inquiry, including from AustStab member companies, roading industry organisations, state road authorities and local government. Several submissions have mentioned stabilisation as a means of providing more resilient pavements and many additionally highlighted the potential of foamed bitumen stabilisation.

Infrastructure Australia and the Department of Climate Change, Energy, the Environment & Water

AustStab was invited to attend a workshop conducted by IA and DCCEE to investigate opportunities to reduce embodied carbon and carbon emissions associated with pavement construction and maintenance. Their 5-year project commenced in July 2022 and will run until the end of June 2027. Their focus is on big projects (>\$25M) and upfront carbon emission savings at a sector level that can be achieved by like-for-like material substitutions. As with many projects, their focus is on materials such as recovered glass and plastics. A follow-up meeting with AustStab was arranged in July to brief their team on the activities of AustStab member companies and the benefits that can be delivered by pavement recycling and stabilisation.



Back together at last celebrating the Awards of Excellence at the 2022 AustStab Gala Dinner and Awards Night, August 2022.

Finance

Financial Statements prepared by Willis Partners



Financial Statements

Auststab Ltd
ABN 20 070 311 830
For the year ended 30 June 2023

Prepared by Willis Partners Pty Ltd

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Income and Expenditure Statement

Auststab Ltd

For the year ended 30 June 2023

	2023	2022
Income		
Income		
Accreditation	18,997	14,025
AGM Income	95,906	15,060
Member Subscriptions	209,383	208,833
Other Revenue	816	1
Sale of Publication	-	2,818
Training & Seminars	27,345	20,758
Total Income	352,447	261,495
Total Income	352,447	261,495
Cost of Sales - Guides		
Opening Stock	6,814	7,238
Closing Stock	(6,392)	(6,814)
Total Cost of Sales - Guides	422	424
Gross Surplus	352,025	261,072
Other Income		
Interest Income	2,890	67
Total Other Income	2,890	67
Expenditure		
Accountancy Fees	3,558	3,150
Accreditation Costs	16,325	13,130
Advertising	1,129	16
AGM Expenses	41,991	2,135
Audit Expenses	2,400	2,200
Bank Charges	1,667	821
Doubtful Debts	-	330
Entertainment Expenses	970	1,158
Filing Fees	304	333
Holiday Pay	(1,594)	2,326
Insurance	2,416	2,449
Office Expenses	4,362	3,200
Postage	1,521	768
Rent	2,339	2,066
Staff Training & Welfare	1,018	-
Sundry Expenses	5,770	3,139
Superannuation Contributions	23,791	21,478
Telephone	989	1,116
Travel Expenses	9,537	661
Wages	226,585	214,781

Income and Expenditure Statement

	2023	2022
WorkCover expense	1,299	671
Total Expenditure	346,378	275,930
Current Year Surplus/ (Deficit) Before Income Tax Adjustments	8,537	(14,791)
Current Year Surplus/(Deficit) Before Income Tax	8,537	(14,791)
Net Current Year Surplus After Income Tax	8,537	(14,791)

Balance Sheet

Auststab Ltd As at 30 June 2023

	NOTES	30 JUN 2023	30 JUN 2022
Assets			
Current Assets			
Cash and Cash Equivalents	2	303,802	296,334
Receivables	3	29,679	25,901
Inventory		6,392	6,814
Total Current Assets		339,873	329,048
Total Assets		339,873	329,048
Liabilities			
Current Liabilities			
Payables			
GST Payable/(Refundable)		5,700	1,137
PAYG Withholding Payable		5,851	5,057
Provision for Holiday Pay	4	24,664	26,257
Sundry Creditors		6,279	8,085
Superannuation Payable	4	2,202	1,869
Total Payables		44,694	42,406
Total Current Liabilities		44,694	42,406
Total Liabilities		44,694	42,406
Net Assets		295,179	286,642
Equity			
Retained Earnings		295,179	286,642
Total Equity		295,179	286,642

Movements in Equity

Movements in Equity

Auststab Ltd

For the year ended 30 June 2023

	2023	2022
Equity		
Opening Balance	286,642	301,433
Increases		
Profit for the Period	8,537	(14,791)
Total Increases	8,537	(14,791)
Total Equity	295,179	286,642

Notes to the Financial Statements

Auststab Ltd

For the year ended 30 June 2023

1. Summary of Significant Accounting Policies

The financial statements cover Auststab Limited as an individual entity. Auststab Limited is a not for profit company limited by guarantee incorporated in Australia under the Corporations Act 2001 ('the Act').

The financial statements have been prepared on an accruals basis and are based on historic costs and do not take into account changing money values or, except where stated specifically, current valuations of non-current assets.

The following significant accounting policies, which are consistent with the previous period unless stated otherwise, have been adopted in the preparation of these financial statements.

Impairment of Assets

At the end of each reporting period, the committee reviews the carrying amounts of its tangible and intangible assets to determine whether there is any indication that those assets have been impaired. If such an indication exists, an impairment test is carried out on the asset by comparing the recoverable amount of the asset, being the higher of the asset's fair value less costs to sell and value in use, to the asset's carrying amount. Any excess of the asset's carrying amount over its recoverable amount is recognised in the income and expenditure statement.

Employee Provisions

Provision is made for the association's liability for employee benefits arising from services rendered by employees to the end of the reporting period. Employee provisions have been measured at the amounts expected to be paid when the liability is settled.

Provisions

Provisions are recognised when the association has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured. Provisions are measured at the best estimate of the amounts required to settle the obligation at the end of the reporting period.

Cash on Hand

Cash on hand includes cash on hand, deposits held at call with banks, and other short-term highly liquid investments with original maturities of three months or less.

Accounts Receivable and Other Debtors

Accounts receivable and other debtors include amounts due from members as well as amounts receivable from donors. Receivables expected to be collected within 12 months of the end of the reporting period are classified as current assets. All other receivables are classified as non-current assets.

Revenue and Other Income

Revenue is measured at the fair value of the consideration received or receivable after taking into account any trade discounts and volume rebates allowed. For this purpose, deferred consideration is not discounted to present values when recognising revenue.

Interest revenue is recognised using the effective interest method, which for floating rate financial assets is the rate inherent in the instrument.

Grant and donation income is recognised when the entity obtains control over the funds, which is generally at the time of receipt.

If conditions are attached to the grant that must be satisfied before the association is eligible to receive the contribution, recognition of the grant as revenue will be deferred until those conditions are satisfied.

All revenue is stated net of the amount of goods and services tax.

Goods and Services Tax (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO). Receivables and payables are stated inclusive of the amount of GST receivable or payable. The net amount of GST recoverable from, or payable to, the ATO is included with other receivables or payables in the assets and liabilities statement.

Financial Assets

Investments in financial assets are initially recognised at cost, which includes transaction costs, and are subsequently measured at fair value, which is equivalent to their market bid price at the end of the reporting period. Movements in fair value are recognised through an equity reserve.

Accounts Payable and Other Payables

Accounts payable and other payables represent the liability outstanding at the end of the reporting period for goods and services received by the association during the reporting period that remain unpaid. The balance is recognised as a current liability with the amounts normally paid within 30 days of recognition of the liability.

	2023	2022
2. Cash on Hand		
Cash at Bank - Cheque Account	94,144	158,044
Cash at Bank - Savings Account	159,658	110,430
Cash at Bank - Term Deposit	50,000	27,860
Total Cash on Hand	303,802	296,334

	2023	2022
3. Trade and Other Receivables		
Trade Receivables		
Trade Debtors	8,646	16,624
Less: Provision for Doubtful Debts	-	(330)
Total Trade Receivables	8,646	16,294
Other Receivables		
Interest Receivable	1,269	7
Total Other Receivables	1,269	7
Prepayments		
Prepayments	19,764	9,600
Total Prepayments	19,764	9,600
Total Trade and Other Receivables	29,679	25,901
	2023	2022

4. Employee Entitlements

Provision for Holiday Pay	24,664	26,257
Superannuation Payable	2,202	1,869
Total Employee Entitlements	26,865	28,127



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Independent Review Report

AustStab Ltd

For the year ended 30 June 2023

Report on the financial report

We have reviewed the accompanying financial report of AustStab Limited which comprises of the balance sheet as at 30 June 2023, the income statement and statement of changes in equity for the year then ended, notes comprising a summary of significant accounting policies and other explanatory information, and the committee's report.

Committee's responsibility for the financial report

The committee of AustStab Limited is responsible for the preparation of the financial report that gives a true and fair view in accordance with Australian Accounting Standards and the *Corporations Act 2001*. The committee determines that the internal control is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express a conclusion on the financial report based on my review.

A review of a financial report consists of making enquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures.

A review is substantially less in scope than an audit conducted in accordance with Australian Auditing Standards and consequently does not enable me to obtain assurance that I would become aware of all significant matters that might be identified in an audit. Accordingly, I do not express an audit opinion.

Independence

In conducting our review, we have complied with the independence requirements of the Australian professional ethical pronouncements.

Conclusion

Based on my review, which is not an audit, I have not become aware of any matter that makes me believe that the financial report of AustStab Limited is not in accordance with the *Corporations Act 2001* and Australian Accounting Standards:

- a) giving a true and fair view of the entity's financial position as at 30 June 2023 and of its performance for the year ended on that date; and
- b) complying with Australian Accounting Standards as referred to in Note 1 to the financial statements.

Basis of accounting and restriction on distribution

Without modifying our opinion, we draw attention to Note 1 to the financial report, which describes the basis of accounting. The financial report has been prepared to assist AustStab Limited to meet the requirements of the *Corporations Act 2001*. As a result the report may not be suitable for another purpose.

Yours sincerely



Kevin Mottau CA

9 August 2023

1/613 Canterbury Road, Surrey Hills Vic 3127

Reference: 599052_1

Liability limited by a Scheme approved under Professional Standards Legislation



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