

TOMORROW, TODAY

9–11

MAY 2022

WASTEMINZ VIRTUAL
SUMMIT 2022

Tē tōia, tē haumatia.
*Nothing can be achieved
without a plan and way
of doing things.*

PROGRAMME

WELCOME



NIC QUILTY

WasteMINZ Chief Executive

Tēnā koutou and welcome to WasteMINZ Virtual Summit 2022.

What an exciting and challenging time to be in the waste, resource recovery, and contaminated land sectors. Our brains are going into overload thinking about the implications of the resource management reform, the expansion of the waste disposal levy, potential changes to how waste will be recycled and recovered, the ongoing impacts of climate change, right to repair legislation, a yet-to-be released waste strategy, potential new waste legislation, and the impending Emissions Reduction Plan. Oh yes, throw in a pandemic to test our mettle.

Covid-19 has put enormous pressure on our sectors and has forced us to think differently about how we can get the job done when we often have fewer resources and changes are being thrust upon us that we have no control over. One of the panel discussions on Wednesday will focus on lessons learned so far from Covid-19 and how these could be applied going forward. This is bound to be a fascinating discussion, so get your questions ready. There are also 14 other panel discussions at the summit – so you are spoilt for choice.

Our Platinum Partners and sponsors play a vital part in making the summit happen, so a big thank you to Platinum Partners: Visy, and Tonkin + Taylor, Gold Sponsors: Eurofins New Zealand and Hill Laboratories, Silver Sponsors: Countdown, LOADRITE, EnviroNZ, Foodstuffs, and Waste Management (who is also our Summit Website Sponsor).

This programme has been a collaborative affair. It has been through various iterations, and I would like to say thank you to the original conference organising committee, who designed the original version, to the speakers who graciously accepted we couldn't fit everyone into the virtual programme, to WasteMINZ members who brainstormed ideas with me, and to the WasteMINZ team for their hard work transitioning the programme to one that suited a virtual event.

To our members – thank you for your passion, dedication, and drive. Without you, WasteMINZ wouldn't exist. I am really looking forward to seeing you all in person in the near future. So, let's cross everything to make sure that happens!

INFORMATION ABOUT NGĀTI WAIRERE

On Monday, the CLM workshop will open with a Mihi Whakatau. On Tuesday, prior to the opening plenary, the summit will open with a Mihi Whakatau. The summit will close with a karakia whakamutunga. These will all be led by kaumatua Taki Turner (Waikato Tainui, Ngāti Wairere).

Mai ngā tau nuku atu i te 1600s i mua o te taenga mai o tauwi mā, tino ātapai te noho a ngā iwi o Ngāti Wairere i Kirikiriroa.

I roto i ngā rarurau i waenganui i a Waikato me te karauna, ka wehe atu a Ngāti Wairere i Kirikiriroa ki tetahi atu wāhi, ara ko Hukanui tērā e nohotia nei e rātou i tenei wā tonu. I tēnei wā kei te tautohetohe tonu a Waikato-Tainui ki te kāwana e pāna ki ngā kerēme kia whakahokia mai te mana-whenua o Ngāti Wairere me ōna karangamaha.

Prior to the early 1600s and before the arrival of the early pioneers Ngāti Wairere was very comfortable living in Kirikiriroa, now known as Hamilton. And when the early pioneers did arrive, circumstances caused Ngāti Wairere to leave Kirikiriroa and live at Hukanui, now known as Gordonton, a 16 minute drive north of Hamilton. And as of now the tribal claims team are in negotiations with our treaty partners and hope for a promising outcome for Ngāti Wairere and other hapū.

SUMMIT APP

This year we have, once again, developed a summit app. It's our goal to minimise waste and so we have moved away from printed programmes.

The app includes absolutely everything you need to know, including:

- sponsor listings
- programme information
- keynotes and speaker' bios and abstracts
- panellists' bios

DOWNLOADING THE ZOHU BACKSTAGE APP

There are Apple and Android versions of the app.

- 1 Go to the app store or Google Play Store
- 2 Search for and download the Zoho Backstage for Attendees App
- 3 Click 'Get started'
- 4 Open the app and search for WasteMINZ Virtual Summit 2022
- 5 Join the WasteMINZ event

CPD POINTS

CEnvP Site Contamination Specialists can claim the following CPD points:

Monday's CLM Workshop: up to 6 points

Tuesday's CLM stream sessions: up to 5.5 points

Wednesday's CLM stream sessions: up to 5 points

SUMMIT SPONSORS

PLATINUM PARTNERS



VISY
visy.com.au
 recyclingvisits@visy.co.nz
 +64 9 975 2000

Visy is a leader in New Zealand in packaging and resource recovery. They have been a pioneer in sustainability since inception and offer a unique fully integrated closed-loop packaging and recycling solution. They currently have 11 facilities across New Zealand and employ more than 900 people locally. Visy's production capabilities go into the millions every year producing high quality, innovative and sustainable packaging products for their customers, complemented by their automation and logistics offerings. Their integrated, closed-loop solution comes full circle when their re-manufacturing process can turn recyclables including cardboard, glass bottles and jars, and plastics back into packaging. Their brands: Visy Board, Visy Recycling, Visy Glass.



TONKIN + TAYLOR
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Tonkin + Taylor is at the forefront of waste, resource recovery, and contaminated land solutions. With our acclaimed expertise, digital solutions offering, close client collaboration, and focus on sustainability, we help our clients practice kaitiakitanga (guardianship of Te Taiao - the natural environment), protect our hauora (health and wellbeing), and enable the sustainable and effective use of resources now and into the future.

GOLD SPONSORS



EUROFINS NEW ZEALAND
eurofins.co.nz/environment-testing
 EnviroSampleAKL@eurofins.com
 +64 9 526 4551

Eurofins New Zealand offer a nationwide contaminated land testing service, with industry-leading turn-around-times and pricing. Our broad testing scope, accredited by IANZ and supported by the latest analytical methods, allows us to test for a range of contaminants in water, soil, air, waste and other products - including asbestos, methamphetamine, and inorganic and organic contaminants. Our team of experts partners with environmental consultants, councils and managers of landfills and other industrial facilities, to test for a broad scope of emerging contaminants, such as: pharmaceuticals and personal care products (PPCPs) in water, and perfluorinated compounds (PFAS) in matrices including soils, sediments, waters, blood and biota.



HILL LABORATORIES
hill-laboratories.com
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Hill Laboratories is New Zealand's largest independently owned and operated analytical testing laboratory, with nearly 40 years' experience in environmental testing. Our service guarantees customers impartial, accurate information and results, every time. We've got New Zealand covered with a comprehensive suite of analytical tests including water, asbestos, air quality, effluent, and soil contamination. We are committed to supporting our customers as they meet their regulatory requirements, minimise their environmental impact and ensure the wellbeing and safety of our communities. By sponsoring this summit we hope to help lead the change and provide a place for consultants and collectives to enthusiastically engage in discussions around contaminated land planning and management.

SILVER SPONSORS



COUNTDOWN
countdown.co.nz
 Millie Porter
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Countdown is committed to helping make Aotearoa a great place to live, where our people and environment thrive. We've set ourselves some ambitious sustainability goals, which we're determined to meet by 2025, including reducing our emissions, making our packaging 100% sustainable and sending zero food waste to landfill.



LOADRITE
loadritescales.co.nz
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LOADRITE scales are the number one supplier of on board weighing scales to the NZ waste and recycling industries. We supply scales for front load trucks, rear load trucks, hook trucks, gantry skip trucks, forklifts, wheel loaders, material handlers including integrated weight data to in cab PCs or direct via LOADRITE Insight for Waste. Talk to us for all your payload measurement solutions which now include legal for trade systems.



ENVIRONZ
environz.co.nz
 0800 240 120

EnviroNZ is a materials management and resource recovery company committed to managing, recovering and processing waste streams to deliver sustainable outcomes. Its brands include EnviroWaste, EnviroEarth and ChemWaste. The company's national network of collections services and critical infrastructure supports the vital sustainability efforts of local councils and commercial customers across the country.



FOODSTUFFS
foodstuffs.co.nz
 Emma Harding
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Foodstuffs is 100% kiwi owned and operated with over 500 retail stores spread across NZ. Their purpose is to make sure New Zealanders get more out of life which is why they have committed to food donation, upcycling, recycling and composting to not only generate less waste but also to drive forward the circular economy in NZ helping communities and future generations continue to thrive.

SILVER + WEBSITE SPONSOR



WASTE MANAGEMENT
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Waste Management is Aotearoa's leading materials recovery, recycling and waste management provider, with over 1600 team members across 70 locations. Each year we collect over 1,000,000 tonnes of waste and recycle well over 200,000 tonnes. We are the largest composter in New Zealand, the largest waste-to-energy provider and have the largest commercial electric fleet in New Zealand, all powered by electricity from waste. As a team, we are constantly looking for new and innovative ways to redirect, neutralise and use waste.

KEYNOTE SPEAKERS



ALEX BARNES

PouAronui-Manager, Evaluation and Inclusion, TupuOra, and PhD candidate, Auckland University of Technology

Pitfalls and potential: At the interface of Māori-non-Māori environmental governance

Māori challenges and invitations for a just relationship with non-Māori organisations regarding our natural world are complex and enduring. Ongoing processes of colonisation pose different challenges for all involved. Starting with his own personal experience, this keynote will address ongoing concerns about the exclusion of Māori expertise from key decision-making roles in environmental governance. It will explore and discuss what non-Māori are learning when addressing these concerns. Finally, it will suggest key considerations in order to develop and sustain mutually beneficial power sharing relationships between Māori and non-Māori organisations.

MONDAY 9 | 9.00-10.00

Alex has a well-established track record of advancing the educational, social, cultural and environmental elements of wellbeing in education and health. As a fifth generation Pākehā, he is interested in growing understanding and application of Te Tiriti o Waitangi across the non-government, government and business sectors.



LIZ MONCRIEFF

Director - RM Reform, Ministry for the Environment

Our future resource management system - an update on our journey

The Government is currently undertaking a once-in-a-generation reform of the resource management system, establishing a future system that better protects the environment while also promoting sustainable development for the wellbeing of our communities. Liz Moncrieff, Director Resource Management Reform, from the Ministry for the Environment will speak to the Government's progress on developing the future resource management system. Her speech will discuss key aspects of the reform including from a waste sector perspective.

TUESDAY 10 | 9.00-10.00

Liz has worked in the resource management field for over 20 years, including working for Wellington City Council in their District Plan Policy Team (10 years+) and at a private consultancy firm for three years. Liz started her career as an analyst at MfE back in the late 1990s and returned to MfE in 2016 when she led the development of the National Planning Standards and the National Policy Statement - Urban Development 2020. She recently moved into the role of Director Resource Management Reform.



JO HENDY

Chief Executive, Climate Change Commission

How climate change policy will drive waste infrastructure in 2025 and beyond

The Climate Change Commission made several recommendations on waste and fluorinated gases in its first advice to Government, Ināia tonu nei: a low emissions future for Aotearoa. This session will look at how clear strategy and policy direction is needed in Aotearoa to transform this sector. Investing in the right knowledge, community and physical infrastructure will play a significant role in the transition to a thriving, climate-resilient, and low emissions future.

TUESDAY 10 | 13.00-14.00

Jo Hendy led the Secretariat of the Interim Climate Change Committee and oversaw the Committee's inquiry into renewable electricity. In her former role as Director of Research and Analysis for the Parliamentary Commissioner for the Environment, she led independent environmental investigations into issues including sea-level rise and agricultural greenhouse gas emissions. Jo also spent seven years working for Motu Economic and Public Policy Research. She holds a BSc (Hons) in Mathematics, and a Graduate Diploma in Applied Science (Meteorology).



ALISON MCKINNIE

Technical Consultant (Organics), Zero Waste Scotland

Helping to develop market confidence - Scotland's journey

When we began our organics journey over 15 years ago, we hadn't appreciated the seven-year journey to provide the level of comfort required to our agriculture sector (the largest market for this material) to enable them and the associated farm assurance schemes to be confident in the safety and safe use of these products. It was a long but incredibly valuable journey as we now have plenty of evidence to support this programme. Listening to discussions around materials that can 'go to land spreading', this is not necessarily the case, and this should never be assumed. Only the right material for the land, the crop and nutrient requirements should be spread on our valuable soils and used to grow our food. It should be of excellent quality and valued by all. This presentation covers our journey so far and what we have put in place to help ensure that this is the outcome. Nothing is ever as easy as it would first appear and often there can be a lot of work before even 'simple' materials like compost can or should be used. Perception is reality whether we like it or not.

TUESDAY 10 | 15.30-16.30

Alison joined WRAP/Zero Waste Scotland back in 2006. Within Zero Waste Scotland her role is to help build a strong, long term and sustainable market to support the organics sector in Scotland, particularly the end use markets for compost, digestate and biogas. Initially Alison worked with compost but over the last few years with anaerobic digestion, as this has become increasingly prevalent. As well as driving material to AD and composting, the focus is on the quality of both input and output material. Increasing interest in the value of food waste/digestate in Scotland through higher value products is rising and Alison is supporting Zero Waste Scotland's Circular Economy programme in this work.



SEAN SIMPSON

Founder & Chief Executive Officer, LanzaTech

There is no such thing as waste

The climate crisis is one of the most urgent challenges to mankind which can only be resolved via rapid action to drastically reduce carbon emissions from the burning and processing of fossil resources. Carbon recycling technologies can transform above-ground carbon sources into sustainable fuel and chemical products. These technologies offer an industrial approach to both enable fuel and chemical manufacturing at its current scale, while achieving the sustainability targets. Gas fermentation using carbon-fixing microorganisms is a fully commercial carbon recycling process technology that transforms waste carbon resources into sustainable fuels, chemicals and polymers at a scale that can be truly impactful in mitigating the climate crisis. Compared to other gas-to-liquid processes, gas fermentation offers unique feedstock and product flexibility. The process can handle a diverse range of high volume, low-cost sustainable feedstocks; including industrial emissions, or syngas generated from agricultural and municipal waste streams, as well as CO₂ with green hydrogen. These can all be converted into an array of fuels, chemicals or polymers either via traditional downstream chemical catalysis, or directly through the application of synthetic biology and metabolic engineering.

WEDNESDAY II | 9.00-10.00

While renewable energy sources like wind, hydro and solar play an important part in reducing global carbon emissions, the world still – at this point – needs high-density transport fuels and materials, which require carbon. LanzaTech, which Dr Sean Simpson began in 2005, developed and commercialised a novel microbial technology to convert waste streams from industry, society and agriculture into fuel, that achieves a 75–90% greenhouse gas reduction compared to gasoline. The company has raised over US\$400 million in investment to develop this innovative technology, and has already opened a commercial plant in China. Alongside LanzaTech, Sean has supported numerous other New Zealand tech start-ups, including introducing Rocket Lab to their major investment funders, and personally investing in start-ups Avertana, and Dotteral, and technology incubator Level Two. Sean has over 20 publications and 200 patents to his name, and a host of awards, including the 2014 New Zealand Innovator of the Year Award, the 2015 US Environmental Protection Agency (EPA) Presidential Green Chemistry Award, the 2013 Kea NZ World Class New Zealander in Science Award, the 2013 Bio Spectrum Asia-Pacific Entrepreneur of the Year Award, and the 2011 NZBIO Young Biotechnologist of the Year.



ROBERT GREGORY

Director, Gregory Environmental Consulting

Stop the stink. The reality of how to manage hydrogen sulphide generation and emission in landfills

Hydrogen sulphide is the gas that smells of rotten eggs. It has a very low odour threshold. It is also poisonous and can kill at low acute doses. To understand how hydrogen sulphide behaves in landfills, and how to manage it, you have to be a geologist, a chemist, a microbiologist, and an engineer. And when setting guidance and regulations, a politician too. The UK has struggled with hydrogen sulphide from landfill sites since the 1990s. Originally due to gypsum in the form of plasterboard waste, and high sulphide wastes from chemical processes, then exacerbated by recycling initiatives, gypsum was eventually banned from landfill. But it is harder to ban a material than you may think. Because of the EU landfill Directive, and other commercial targets, residual material from waste processing and recycling make up a huge part of the UK's primary waste streams now, and these residual wastes are by their nature fine grained. These materials are supposed to be inert and non-reactive, but what is inert and non-reactive in massive form can be quite energetic in fine grained form, and the results unexpected. Ultimately, our landfill tax rules, and environmental regulations have lagged behind our technological advances.

WEDNESDAY II | 10.15-11.15

Bob Gregory has been working on landfills for 35 years and has been at the cutting edge of waste management and renewable energy projects for his entire career. As an early practitioner, he has always been a leader rather than a follower. He formed his own company six years ago and continues to have a global client base. Some of his most notable achievements include the development of the GasSim model, the regulatory landfill gas management tool developed for the Environment Agency, and the many technical projects he managed which were the evidence base for the Environment Agency's technical guidance. Bob has also helped numerous landfill clients, in the UK, Ireland, Norway and South Africa, to understand why hydrogen sulphide is being generated in their landfills, and how to manage it once it is present. Bob was honoured to serve as a Review Editor for the Waste Management Chapter of the Third Volume (Mitigation) of the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report 2006. This report led to the IPCC being jointly awarded (alongside Al Gore) the Nobel Peace Prize in 2007. Bob achieved his BSc in Geochemistry at the University of Reading in 1982, and his PhD in Geology at the University of Exeter in 1987. He is a Chartered Chemist, a Chartered Waste Manager, and a Fellow of the Chartered Institution of Wastes Management.



HON DAVID PARKER

Minister for the Environment

Circular Economy - a journey starting with waste

The Government is committed to building a low-carbon, circular economy. New Zealand is taking big strides toward reducing waste and changing the way we use our resources. These steps include taking action on problematic plastics and investing in new infrastructure to support resource recovery efforts. The Minister will speak on the Government's vision and objectives for the sector, which he characterises as catching up with world-leading countries.

WEDNESDAY II | 13.00-14.00

Hon David Parker is a Labour List MP, Attorney-General, Minister for the Environment, Minister for Oceans and Fisheries, Minister of Revenue, Associate Minister of Finance.

Prior to politics, David was a litigation and managing partner in law firm Anderson Lloyd and was a co-founder of the Dunedin Community Law Centre. David is an experienced CEO and company director and involved in a number of start-up businesses in the agri-biotechnology field including A2 Milk, and BLIS Technologies which he managed from start-up to the main board of the NZX.

He held various Ministerial portfolios in the Helen Clark Labour-led Government including Attorney-General, Energy, Climate Change, Transport, Land Information and State Services. In 2008 he was named by the Listener magazine as Environmentalist of the Year for his work as Minister of Energy and Climate Change. He pioneered New Zealand's emissions trading scheme, then described by many as the most significant environmental reform in NZ for decades.

After the 2020 election, David was reappointed Attorney-General, Minister for the Environment and Associate Minister of Finance, as well as being appointed as Minister for Oceans and Fisheries, and Minister of Revenue.

David pursues policies which both enhance economic growth and address the growing extremes between rich and poor in New Zealand, while protecting the environment.



JOE PICKIN

Director, Blue Environment Pty

The role of data in waste and circular economy policy – an Australia perspective

Joe's presentation is based on extensive experience with waste data gathering, compilation, analysis and reporting in Australia. Governments and societies seek to reduce waste, increase recovery (recycling and energy) and improve circularity. Meaningful intentions and commitments require measurement – without data and monitoring, policy is motherhood statements. Data is generated largely by businesses, and they are often nervous of giving information to government that shows a lot about their operation. 'Public good vs private rights' discussions are needed at senior levels and, notwithstanding the outcomes, government mandates are needed for the uncooperative. Public reporting is needed to tell the stories of waste for the public and the industry. Joe will summarise the current systems for waste data capture and analysis in Australia, and the trends. He'll show some visualisations that tell Australian waste stories by source, type, trend, management and other aspects, and will describe some of the trends and challenges.

WEDNESDAY II | 13.00-14.00

Joe Pickin is a director of Blue Environment, strategic environmental consultants based in Victoria, Australia. He has played a key role in developing Australia's national waste data system and has worked extensively for Australian local, state and national governments on data collection, management, interpretation and modelling. Joe was primary author of the Australian National Waste Reports in 2016, 2018 and 2020 and is currently working to develop the 2022 version. He helped develop national standards for waste data and reporting that are intended to guide state data systems. Joe has a PhD on the environmental economics of waste and 25 years' experience in the sector. He was data advisor to the ABC's War on Waste series and chaired the national carbon division of the Waste Management and Resource Recovery Association of Australia from 2012-2020.



PETER WILSON

Principal Economist, NZ Institute of Economic Research

Seven simple rules for helping save the planet, or at least our little part of it

The Government has an ambitious reform agenda in the environmental and natural resource domains. Some of these reforms have progressed to draft legislation or Bills in front of Parliament, some are being consulted on and others are still at the developmental stage. To assist members of WasteMINZ in responding to this agenda, I set out seven simple rules for helping save the planet, or at least our little part of it based on my experience as an economist and policy adviser. When applied to specific proposals, these rules can lead to simple, effective and equitable reforms.

WEDNESDAY II | 15.30-16.30

Peter Wilson is a principal economist with the New Zealand Institute of Economic Research in Auckland. He has spent nearly 40 years working as an economist in government, the private sector and now as a consultant. He sees his job as trying to make peoples' lives better.

PANEL DISCUSSIONS AT THE 2022 SUMMIT

TUESDAY 10 9.00-10.00	RM Reform: Implications for the waste, resource recovery and CLM sectors and how we should respond
TUESDAY 10 10.15-11.15	Who should the levy money go to and how should it be spent?
TUESDAY 10 10.15-11.15	The future of contaminated land regulation in New Zealand
TUESDAY 10 11.30-12.30	How did it come to this? Why we need a Right to Repair
TUESDAY 10 11.30-12.30	C&D: Ensuring today's solutions don't become tomorrow's problems
TUESDAY 10 11.30-12.30	Raising the bar: Improving adherence to CLMG #1 & #5
TUESDAY 10 13.00-14.00	What challenges do CEnvPs face?
TUESDAY 10 14.15-15.15	Risks associated with the industry and what the sector group can do to support you
TUESDAY 10 15.30-16.30	Creating new markets for organic materials
WEDNESDAY 11 10.15-11.15	What are the impacts of climate change on CLM?
WEDNESDAY 11 11.30-12.30	Getting the most out of the co-design process
WEDNESDAY 11 11.30-12.30	The intersection of CLM and disposal to land
WEDNESDAY 11 14.15-15.15	Lessons learned from Covid-19
WEDNESDAY 11 14.15-15.15	Will the expanded waste disposal levy influence remediation options?
WEDNESDAY 11 15.30-16.30	Wasting time with the Board

DAY I MONDAY 9 MAY

TE ARA WHAKAHOUNGA: EMBRACING MĀORI VIEWS FROM A CONTAMINATED LAND PERSPECTIVE

*Ko ahau te whenua, ko te whenua ko
ahau - I am the land, the land is me*

Facilitated by **Troy Brockbank**
Pattle Delamore Partners

- 9.00-10.00 **Mihi Whakatau** led by kaumatua **Taki Turner** (Waikato Tainui, Ngāti Wairere)
Welcome
-
- KEYNOTE Alex Barnes** *PouAronui-Manager, Evaluation and Inclusion, TupuOra, and PhD candidate, Auckland University of Technology*
Pitfalls and potential: At the interface of Māori-non-Māori environmental governance
- 10.00-10.15 BREAK
- 10.15-11.15 **Eady Manawaiti** *Tumuaki - Potaka Institution for Freedom and Whānau* and **Catherine Wickham** *Ministry for Primary Industries*
Te Tiriti o Waitangi & Māori connections to the land
- 11.15-11.30 BREAK
- 11.30-12.30 **Sari Eru EINZ**
Tē tōia, tē haumatia - Nothing can be achieved without a plan and a way of doing things - A look at science through a Māori cultural lens
Q+A Session
- 12.30-13.00 LUNCH
- 13.00-14.00 **Dr Roger Lewis** *Tai-ranga-whenua, Waikato Regional Council*
Iwi Māori Engagement IOI
- 14.00-14.15 BREAK
- 14.15-15.15 **Brendon Love** *HAIL Environmental*
Kopeopeo Canal - engagement and consultation over a major remediation project
PANEL DISCUSSION
How do we engage authentically? Examples and lessons learnt
Panellists: **Brendon Love** *HAIL Environmental*, **Kim Wepasnick** *LINZ*, **Dee Isaacs** *4Sight Consulting*
- 15.15-15.30 BREAK
- 15.30-16.30 **FISHBOWL PANEL DISCUSSIONS**
Where do we go from here? Reflections on incorporating today's learnings into our lives, our organisations and our practice
Panellists: **Dave Bull** *HAIL Environmental*, **Nic Quilty** *WasteMINZ*, **Sari Eru** *EINZ*, **Tim Dee** *Contaminated Land Management Sector Group Steering Committee Chair*
Closing remarks and karakia

TERRITORIAL AUTHORITIES' OFFICERS FORUM

*Exclusively for WasteMINZ Territorial
Authorities' Officers Forum members*

- 10.00-10.05 **Karakia and welcome**
-
- 10.05-10.20 **Introductions - breakout groups**
-
- 10.20-10.30 **TAO collaborative fund update + Chair update**
-
- 10.30-11.30 **MfE update** - please bring your questions!
Shaun Lewis *General update waste work programme and timelines*
Marie Doole *Levy spending changes, roles, regulations and compliance*
Tim Allen *Proposed changes to investment framework of waste funds and the implications for TAs*
- 11.30-12.30 BREAK
- 12.30-12.45 **Social change theory presentation with Gradon Diprose** *Landcare Research* & **Louise Lee** *independent contractor*
-
- 12.45-13.55 **Social change workshops**
· **Getting communities to truly adopt organics collections**
· **Contracts that keep everyone happy**
-
- 13.55-14.00 **Wrap up and karakia**

DAY 2 TUESDAY 10 MAY

8.45-9.00 **MIHI WHAKATAU** led by kaumatua Taki Turner (Waikato Tainui, Ngāti Wairere)

WELCOME Nic Quilty WasteMINZ Chief Executive

\\ SESSION ONE

9.00-10.00 **OPENING PLENARY**

KEYNOTE Liz Moncrieff Director - RM Reform, Ministry for the Environment
Our future resource management system - an update on our journey

PANEL DISCUSSION

RM Reform: Implications for the waste, resource recovery and CLM sectors and how we should respond.

Panellists: Dave Bull HAIL Environmental, Laurence Dolan EnviroNZ + Sarah Scott Simpson Grierson

Facilitator: Jo Ferry Tonkin + Taylor

10.00-10.15 BREAK

\\ SESSION TWO

10.15-11.15 **WASTE DISPOSAL LEVY**

Marie Doole & Stephanie Hill
Ministry for the Environment

Operationalising the waste disposal levy expansion

PANEL DISCUSSION

Who should the levy money go to and how should it be spent?

Panellists: Neil Pollett Green Bottle, Jacqui Forbes Pare Kore, Kimberley Hope New Plymouth District Council, Evan Maehl Waste Management NZ

Facilitator: Carole Smith WSP New Zealand

RM REFORM

Dave Bull HAIL Environmental

Regulatory reform? Signposts in the NBEA

Isobel Stout Christchurch City Council

Not waiting for tomorrow

PANEL DISCUSSION

The future of contaminated land regulation in New Zealand

Panellists: James Court BP Oil NZ, Isobel Stout Christchurch City Council, Isla Hepburn Ministry for the Environment, Dave Bull HAIL Environmental, Simon Hunt EHS Support

Facilitator: Stanley Howell Jacobs

11.15-11.30 BREAK

\\ SESSION THREE

11.30-12.30 **DESIGNING OUT WASTE**

PANEL DISCUSSION

How did it come to this? Why we need a Right to Repair

Panellists: Dr Paul Smith Consumer NZ, Alan Liefing Ecotech Services, Ngakau Harris-Peke Pare Kore, Alex Sims Auckland University

Facilitator: Brigitte Sistig RCANZ

PANEL DISCUSSION

C&D: Ensuring today's solutions don't become tomorrow's problems

Panellists: Mark Roberts Auckland Council, Marty Hoffart Zero Waste Network, Lisa Eve Eunomia Research & Consulting NZ, Elaine Morgan Green Gorilla

Facilitator: George Fietje Insight

NES:CS AND CLMG #1 & #5 - NOW AND IN THE FUTURE

Terre Nicholson HD Geo and Michelle Begbie Waikato Regional Council

CLMG - Why does it matter?

Jane Brown Insurance Council of New Zealand

Liability and contaminated land management: Who's responsible?

PANEL DISCUSSION

Raising the bar: Improving adherence to CLMG #1 & #5

Panellists: Terre Nicholson HD Geo, Michelle Begbie Waikato Regional Council, Jane Brown Insurance Council of New Zealand, James Mitchell Ministry for the Environment

Facilitator: James Witham South Wairarapa District Council

12.30-13.00 LUNCH

DAY 2 TUESDAY 10 MAY

\\ SESSION FOUR

13.00-14.00

CLIMATE CHANGE

KEYNOTE Jo Hendy Chief Executive,
Climate Change Commission
How climate change policy will drive waste
infrastructure in 2025 and beyond

Sue Coutts Zero Waste Network
Rethinking consumption to reduce emissions

CONTAMINATED LAND PRACTICE - CURRENT CHALLENGES FOR SQEPS

Martin Robertson Z Energy
Current issues in contaminated land practice affecting
CEnvP:SCSs

Anna Lukey 4Sight Consulting
Peer review - how being a SQEP and
understanding CSM is essential to the process

PANEL DISCUSSION

What challenges do CEnvPs face?
Panellists: Anna Lukey 4Sight Consulting, Dave
Bull HAIL Environmental, Graeme Proffitt Pattle
Delamore Partners, Sarah Shepherd Beca
Facilitator: Martin Robertson Z Energy

14.00-14.15 BREAK

\\ SESSION FIVE

14.15-15.15

H+S & WELLBEING

Guy Smith Waste Management NZ
Waste Industry Road Safety Programme:
Updates on Road Safety Campaign, CoPTTM &
WorkSafe Guide to Road & Roadside Workers

PANEL DISCUSSION

Risks associated with the industry and what
the sector group can do to support you
Panellists: Mark Devantier InterGroup, Ajith
Fernando Reclaim & Greg Dearsly First 4 Safety
Facilitator: Danny McClure Hastings District Council

Chris Aughton & Corinne Taylor EnviroNZ
I've got your back

BEYOND HUMAN HEALTH: BACKGROUND CONCENTRATIONS AND ECOLOGICAL GUIDELINE VALUES

James Conway Pattle Delamore Partners
Geogenic arsenic and the importance
of understanding your site

Graham Corban Hill Laboratories & Terry Cooney
Analytica Laboratories
When is TPH not TPH? When it's NOM

Jo Cavanagh Landcare Research & Jonathan Caldwell
Waikato Regional Council
Potential use and application of ecological soil
guideline values

15.15-15.30 BREAK

\\ SESSION SIX

15.30-16.30

ORGANIC MATERIALS

KEYNOTE Alison McKinnie Technical
Consultant (Organics), Zero Waste Scotland
Helping to develop market confidence
- Scotland's journey

PANEL DISCUSSION

Creating new markets for organic materials
Panellists: Gareth Hughes AFRA, Alison McKinnie
Zero Waste Scotland, Jono Frew Natural Performance,
Anna Yallop Bioresource Processing Alliance
Facilitator: Chris Purchas Tonkin + Taylor

INNOVATIONS IN CLM

James Corbett Auckland Council & Stephen
Thomson WSP New Zealand
Dead but not buried - will cemeteries
have an enduring HAIL legacy?

Caitlin Holm Waikato Regional Council
Patterns of contamination around sheep dips

Tim Dee Fulton Hogan
CLM sector group update

DAY 3 WEDNESDAY 11 MAY

\\ SESSION ONE

9.00-10.00 **INNOVATION & INVESTMENT**

KEYNOTE Sean Simpson Founder & Chief Scientific Officer, LanzaTech

There is no such thing as waste

Shaun Lewis Ministry for the Environment

MfE's investment framework

10.00-10.15 BREAK

\\ SESSION TWO

10.15-11.15 **DISPOSAL TO LAND**

KEYNOTE Robert Gregory Gregory
Environmental Consulting

Stop the stink. The reality of how to manage hydrogen sulphide generation and emission in landfills

Jonathan Shamrock Tonkin + Taylor

The use of geocomposite drain as a more sustainable alternative to compacted clay for landfill capping

Sze-Fei Peng Tonkin + Taylor Australia

Off-grid landfills

CLIMATE CHANGE

Samantha Iles 4Sight Consulting & Michael Massey Environment Canterbury

Managing contaminated land in a changing climate

Michelle Begbie Waikato Regional Council

Relative risk assessment of historic coastal and riverine landfills for local government planning

PANEL DISCUSSION

What are the impacts of climate change on CLM?

Panellists: Samantah Iles 4Sight Consulting,

Michael Massey Environment Canterbury,

Michelle Begbie Waikato Regional Council

Facilitator: Terre Nicholson HD Geo

11.15-11.30 BREAK

\\ SESSION THREE

11.30-12.30 **EFFECTIVE ENGAGEMENT**

PANEL DISCUSSION

Getting the most out of the co-design process

Panellists: Hannah Blumhardt Takeaway Throwaways,
Alec McNeil Marlborough District Council,
Kahurangi Carter Pare Kore, Trevor Tutt 3R

Facilitator: Juhi Shareef Tourism Holdings

Andrea Leadbetter TGM Creative

Strategies, tools and best practice to encourage behaviour change, and communicate effectively in a bilingual community

Kate Meads Waste Free with Kate & Co

Reading the virtual room

Vivien Verheijen & Monisha Wylie-Kapoor Auckland Council

Engaging ethnic communities on zero waste

Toni Kereama Para Kore

He aha te hononga? Finding ways to relate and engage

DISPOSAL TO LAND & CLM: CLM IMPACTS ON LANDFILLS

Chris Hillman Tonkin + Taylor

Technical guidelines: disposal of low level asbestos-contaminated soil at a landfill

Rod Lidgard Pattle Delamore Partners

& Tim Dee Fulton Hogan

Creating a circular economy for contaminated soil

PANEL DISCUSSION

The intersection of CLM and disposal to land

Panellists: Chris Hillman Tonkin + Taylor, James

Corbett Auckland Council, Rod Lidgard Pattle

Delamore Partners & Tim Dee Fulton Hogan

Facilitator: Natalie Webster Pattle Delamore Partners

12.30-13.00 LUNCH

\\ SESSION FOUR

13.00-14.00 **PLENARY**

KEYNOTE Minister Parker *Minister for the Environment*

Circular Economy - a journey starting with waste

KEYNOTE Joe Pickin *Director, Blue Environment Pty*

The role of data in waste and circular economy policy - an Australian perspective

14.00-14.15 **BREAK**

\\ SESSION FIVE

14.15-15.15 **ADAPTING TO A CONSTANTLY CHANGING ENVIRONMENT**

Therese Mangos *Pacific Vision Aotearoa*

Walking back to the future through Covid - a Pacific perspective

Todd McLeay *Smart Environmental*

Trying to make lemonade out of lemons... what we did in the face of endless Covid and what we learnt in the process

PANEL DISCUSSION

Lessons learned from Covid-19

Panellists: Therese Mangos *Pacific Vision Aotearoa*, Todd McLeay *Smart Environmental*, Angela Atkins *Hastings District Council*, Sarah Whiteman *Waste Management NZ*

Facilitator: David Stephenson *Tasman District Council*

SUSTAINABLE REMEDIATION

Rod Lidgard & Tristan Bellingham

Pattle Delamore Partners

Contaminated land management in a net zero economy

Torianne Brown *Tonkin + Taylor*

Achieving sustainable development and value engineering in large land remediation projects

PANEL DISCUSSION

Will the expanded waste disposal levy influence remediation options?

Panellists: Torianne Brown *Tonkin + Taylor*, Rod Lidgard *Pattle Delamore Partners*, Carole Smith *WSP New Zealand*

Facilitator: James Court *BP Oil NZ*

15.15-15.30 **BREAK**

\\ SESSION SIX

15.30-16.30 **PREPARING FOR TOMORROW, TODAY**

KEYNOTE Peter Wilson *Principal Economist, NZ Institute of Economic Research*

Seven simple rules for helping save the planet, or at least our little part of it

PANEL DISCUSSION

Wasting time with the Board

Join a panel session with some of the WasteMINZ Board to learn a bit more about their journey as trustees followed by a Q&A session. This is intended to be a light-hearted conclusion to the summit so bring your questions, whatever they are ...

Panellists: Wayne Plummer *WasteMINZ Board Chair*, Alice Grace & Alec McNeil *WasteMINZ Board members*

Facilitator: Parul Sood *WasteMINZ Board Deputy Chair*

closing remarks

KARAKIA WHAKAMUTUNGA led by kaumatua Taki Turner (*Waikato Tainui, Ngāti Wairere*)

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