6th AUSTRALIAN LANDFILL & TRANSFER STATIONS CONFERENCE & EXPO
27 - 30 July 2015
National Convention Centre, Canberra

Continuing the transformation

CONFERENCE PROGRAM

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MONDAY, 27 July 2015

0815 Registration Opens

Workshop 1: Leachate management
0900 - 1630

Leachate Management is probably the weakest aspect of Australian landfills. Many landfills have inadequate leachate control and treatment infrastructure, with regulators starting to focus on this shortcoming. We have been helped by our generally dry climate, but as we all learned in Cyclone Yasi and the Super La Nina episode, things can get very wet sometimes. This is when we need robust treatment systems.

The Leachate Management Workshop will address critical aspects of leachate treatment, assuming that delegates have a working knowledge of the basics. The program will run for a full day on Monday 27 July and will include sessions on:

- Planning, Design and Project Delivery
- Leachate Treatment Processes
- Leachate Treatment and Disposal Case Studies
- Operations and Monitoring

We have invited Mr Kevin Torrens, Vice President of Brown and Caldwell of New York, who has over 30 years experience with industrial wastewater, leachate treatment and O&M projects. He has designed leachate treatment processes using most of the commonly available technologies. Kevin will be supported by Australian speakers who have direct experience of different aspects of leachate treatment.

Workshop 2: Prevention and management of fires at waste handling facilities
1000 - 1630

This workshop will provide an overview of the problem of fires at waste handling facilities. It will discuss technologies for monitoring facilities and techniques for preventing and dealing with fires.

The session will also include practical case studies covering transfer stations, landfills and storage issues, as well as a discussion on common issues for the industry and best practice techniques for fire prevention and management.

TUESDAY, 28 July 2015

TOUR CLOTHING REQUIREMENTS: Closed-in footwear and long pants are required for all tours. It is suggested that you bring a hat, sunscreen and some water. Coach transfers and lunch included.

Technical Tour 1 - Canberra Region

0800 Departs from Crowne Plaza, Canberra

- Mitchell Resource Management Centre
- Mugga Lane Resource Management Centre
- Landtasia Organic Farms

Lunch

- VEOLIA Woodlawn Bioreactor Landfill
- Bywong (Macs Reef) Waste Transfer Station

1730 Tour concludes Crowne Plaza, Canberra

1800 Welcome Reception - Exhibition Hall
**Opening Plenary**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker and Organization</th>
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<tbody>
<tr>
<td>0900</td>
<td>Welcome and Introduction</td>
<td>Dr Stuart Dever, Program Convener, Kimbriki Environmental Enterprises Pty Ltd</td>
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<td>0915</td>
<td>Official Opening</td>
<td>Hon Bob Baldwin, Parliamentary Secretary to Minister for Environment</td>
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<tr>
<td>0930</td>
<td>Keynote Presentation: Leachate treatment in the US</td>
<td>Kevin D. Torrens, Brown and Caldwell</td>
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<tr>
<td>1015</td>
<td>Keynote Presentation: Waste Management Infrastructure planning in Victoria</td>
<td>Stan Krpan, Sustainability Victoria</td>
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**1045** Morning Tea - Trade Exhibition Hall

**Session 1: Facility planning and approvals**

- **1115** David Gamble, GHD Pty Ltd  
  Planning for successful waste infrastructure

- **1135** Pablo Gonzales, Veolia Australia and New Zealand  
  Development of Veolia’s Banksmeadow Transfer Terminal

- **1155** Mark Winser & Dr Stuart Dever, Kimbriki Environmental Enterprises Pty Ltd  
  The ongoing transformation of the Kimbriki Resource Recovery Centre

- **1215** Panel Discussion:  
  Effective planning of waste management infrastructure

**Session 2: Transfer station operations and developments**

- **1115** Christine Wardle, Blue Environment Pty Ltd  
  Good news and bad news stories of Australian transfer stations

- **1135** Mal Jones, ACT Williams & Rowan Cossins, AECOM Australia Pty Ltd  
  What is the future for Waste Transfer Stations?

- **1155** Debra Mackeen & Nigel Crumpton, Cairns Regional Council  
  There’s no place like our place - transfer station master planning in the wet tropics

- **1215** Melinda Lizza, Transpacific Industries Pty Ltd  
  Transfer Station improvements in resource recovery

**1245** Lunch - Exhibition Hall

**Session 3: Landfill planning & development**

- **1345** Andrea Taft, AECOM & Georgina Davis, Waste to Opportunity Enterprise  
  Are we approaching peak landfill in South East Queensland?

- **1405** Alison Horlyck, GHD Pty Ltd  
  The Buttonderry story – landfill as a long term asset rather than a liability

- **1425** Anthony Dixon, GHD Pty Ltd  
  A critical review of Australian Landfill Guidelines

- **1455** Questions

**Session 4: Improving rural facilities**

- **1345** Nick Bailey, Sustainability Victoria  
  Sustainability Victoria’s role in developing and improving rural and regional waste and resource recovery infrastructure

- **1405** Danyelle Carter & Elissa Bishop, NSW Environment Protection Authority (EPA)  
  NSW landfill consolidation and environmental improvements grants

- **1425** Dr Kartik Venkatraman, East Gippsland Shire Council  
  Changing the face of waste management in East Gippsland

**1500** Afternoon Tea - Exhibition Hall

**Session 5: Developments in landfill design and operation**

- **1530** Adrian Roberts, GHD Pty Ltd  
  The real challenges and issues of using geosynthetics in landfills

- **1550** Allan Boase, Impact Blue Pty Ltd and Michael Asnicar, Logan City Council  
  Maximising service life expectancy for a new wet cell leachate collection system

- **1610** Andrew Green, Golder Associates Pty Ltd  
  Innovative design to improve the standard of liner for a highly alkaline industrial waste landfill

- **1630** Prof. William Clarke, The University of Queensland  
  Evaluation of the feasibility of rapidly digesting shredded MSW by flooding and draining small landfill cells

- **1650** Questions

**Session 6: Improving facility operations**

- **1530** Neal Bolton, Blue Ridge Services, Inc.  
  Developing performance benchmarks to track the efficiency of landfill operations

- **1550** Dieter von Mollendorf, Position Partners Pty Ltd  
  Technology, providing a measured approach to landfill management

- **1610** Amber Rickard, Komatsu Australia  
  Improving the efficiency of waste handling equipment using hybrid technology

- **1630** Michael Asnicar, Logan City Council  
  Successes, challenges and learnings of deploying high automation technology to improve customer service efficiency

- **1650** Questions

**1700** Close

**1815** Coaches depart Crowne Plaza for Conference Dinner at AIS
Thursday, 30 July 2015

Networking breakfast – Exhibition Hall

Session 7: Landfill gas emission reduction

0900 Andrew Bray, Department of Environment
Opportunities for the waste sector under the Emissions Reduction Fund

0920 Elisa De Wit, Norton Rose Fulbright
An introduction to participating in the Emissions Reduction Fund

0940 Dr Jessica North, Landfill Gas Industries Pty Ltd
Private sector experience of the Emissions Reduction Fund

1000 Panel Discussion:
Utilising the ERF to reduce landfill gas emissions?

Meeting Breakfast – Exhibition Hall

Session 8: Stakeholder engagement

0900 David Hawkins, Socom
A social license to operate? Who says?

0915 Lyndel Hunter, Lyndel Hunter Strategic Communication
Beyond the myth of the warm and fuzzies

0930 Charlie Wilson-Clark, Golder Associates Pty Ltd
Headline today, rubbish tomorrow – why newspapers will never tell the REAL story about waste

0945 Jaye Muir, SUEZ environnement
Stakeholder Engagement – A best practice tool

1000 Panel Discussion:
What are the key factors in a successful stakeholder engagement program for a waste facility?

Plenary Two

1100 Keynote Presentation: Transformation of Transfer Stations in the US
Eric Mead, HDR

1140 Keynote Presentation: The future for Landfills and Transfer Stations in NSW
Steve Beaman, NSW Environment Protection Authority (EPA)

1215 Lunch – Exhibition Hall

Session 9: Landfill construction and final capping

1315 Chris Nivison Smith, GHD Pty Ltd
The ACT of transformation: Construction of the Mugga Lane landfill extension

1335 Luke Adams, Tonkin & Taylor Pty Ltd
Improvements in collection and communication of construction verification data during landfill construction projects

1355 James Mackenzie, Mackenzie Environmental Pty Ltd
Design and construction of a piggyback lined landfill at Anglesea, Victoria

1415 Dr Melissa Salt, Tonkin Consulting
Eight years of performance of final covers

1435 John King, Director, TALIS Consultants
Applying Best Practice Closure standards to a small regional landfill in WA

1455 Questions

1510 Conference wrap up and closing remarks
Dr Stuart Dever, Program Convener

Session 10: Landfill closure, redevelopment and remediation

1315 John Jones, SUEZ environnement
A European Perspective on the Methodology for Determining the Cessation of a Landfills Post Closure Period

1335 Kieren McDermott, Transpacific Industries Pty Ltd
The challenges of defining landfill leachate levels for groundwater protection and effective landfill gas management

1355 Sze-Fei Peng, Tonkin & Taylor Pty Ltd
Redevelopment on a closed landfill – 10 years on

1415 Herbert Kers, Tonkin Consulting
Redevelopment of 3Ha MSW landfill into inner urban sports and community facility

1435 Michael Jansen, City of Casey
Working during a landfill gas “emergency” – a Council Officer’s experience

1455 Questions

1530 Conference Close

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