



2019 AUSTRALIAN



Landfill AND Transfer Stations

CONFERENCE

26-29 MARCH 2019 • PULLMAN MERCURE, BRISBANE QLD

Workshop A – Advances in Landfill Design and Construction with Geosynthetics

Tuesday 26th March 2019

09:00am – 4:30pm

Workshop A will present an overview of key landfill design objectives and the challenges faced during the construction of landfill cells, with a focus on the construction quality assurance issues. The objectives of this workshop are to:

- Provide an overview of landfill design objectives from local and international experts.
- Consider key challenges in the construction quality assurance process that affect construction schedule and project cost.
- Review geosynthetic testing methods and suggest approaches to address or combat failures.
- Hear from local and international experts about developments in geosynthetics.
- Share recent experiences from practitioners (suppliers, contractors, designers and landfill owners)

8.30-9:00	Registration
9:00-9:10am	Welcome and Introduction, Nigel Ruxton, Program Convenor
9:10-10:45	Minimising the escape and impact of landfill leachate and gas: Some design and construction considerations – Prof Kerry Rowe, Queens University, Canada
10:45-11:00	Morning Tea
11:00-11:30	Issues faced by Contractors – Michael Walsh, Teneo; Graham Fairhead, Fabtech;
11:30-12:00	Link between Design and Construction – Fred Gassner, Golder
12:00-12:30	The Manufacturing Process and Effective MQC, Kent Von Maubeuge, Germany
12:30-1:15	Lunch
1:15-1:45	QA and QC - the supplier's view – Marc Amtsberg, Geofabrics; Amir Shahkolahi, Global Synthetics; Morne Breytenbach, Huesker
1:45-2:10	Understanding the risks of geomembrane supply, Dr John Scheirs, ExcelPlas
2:10-2:35	MQA and CQA Testing – Test methods and common failures, Warren Hornsey, TRI International
2:35-3:00	Improvements and advances in Construction Quality Assurance for geosynthetics, Boyd Ramsey, IGS Council Member
3:00-3:15	Afternoon Tea
3:15-3:45	Lessons learned in MQC and Construction QA: the client's perspective, Colin Kangas, Remondis; Kevin Patrick, Shell;
3:45-4:30	Q&A Discussion, All speakers
4:30pm	Workshop Close



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Workshop B – Managing Leachate and the Impact of Emerging Contaminants

Tuesday 26th March 2019

09:00am – 4:30pm

Workshop B will address current and emerging issues facing landfill operators in managing leachate generation, treatment and disposal. The objectives of this workshop are to:

- Provide an overview of current practice, needs and recent development across Australia
- Hear from local and international experts about developments in leachate treatment & disposal and the implications of emerging contaminants
- Obtain a regulatory update
- Share recent experiences from practitioners (suppliers, contractors, designers and landfill owners)
- Facilitate dialogue between delegates on current and emerging issues

08:30-9.00	Registration
9.00-9.05am	Welcome and Introduction, Paul Lightbody, Program Committee Member
	Adrian Roberts - GHD Leachate Generation and its Management in Australia: An Overview
	Justin Doyle - Wastewater Futures Treatment of Landfill Leachate: Principles, Processes and Operating Practices
	Stuart Dever - Kimbriki Environmental Enterprises Leachate Management Case Study: Recent Experience Delivering a Leachate Treatment Plant and Disposal Pathway
	Morning Tea
	Leachate Management Planning Case Study
	Colin Hester, Queensland Urban Utilities Sewer Acceptance – the perspective of the utility operator
	Scott Grieco - Jacobs (North America) Design and implementation of advanced leachate treatment systems
	Lunch
	Shaun Thomas EPA (SA) & NCWG (HEPA) Update on management and regulation of emerging contaminants
	Christie Gallen - UQ PFA's in landfill– current knowledge and Australian data & research directions
	Jochen Mueller - UQ Emerging Contaminants – What risk?
	Afternoon Tea
	Scott Grieco - Jacobs (North America) Emerging contaminants and their implications for leachate treatment and disposal
	Andrew Thomas - Enviropacific Acceptance at landfill of residuals from soil and groundwater remediation
	Panel Q&A Discussion Peter Kjeldsen, speakers, regulators
4:30pm	Workshop Close