

PRELIMINARY PROGRAM MONDAY 18 JUNE 2012

TIME	TOPIC	PRESENTER	TOPIC	PRESENTER	TOPIC	PRESENTER
8.00	REGISTRATION					
Session 1: Opening Plenary						
8.45	Welcome	AWA				
9.00	K01 Keynote Presentation	KEYNOTE John Novak, Virginia Tech, USA				
9:45	K02 Keynote Presentation	KEYNOTE Jurg Keller, Advanced Water Management Centre				
10.30	MORNING TEA					
SOURCE MANAGEMENT STREAM			BIOSOLIDS STREAM		BIOSOLIDS STREAM	
Session 2: Working within regulations			Session 3: Risk - Pathogens and contaminants		Session 4: Biosolids as a resource	
11.00	01 The Implications for water utilities of adopting the national Wastewater Quality Guidelines	Andrew Kirkwood Sydney Water	04 Survival of human enteric pathogens in soil amended with biosolids	Karen Schwarz Curtin University	07 From Wastewater treatment plant to bio-refinery. Advanced resource recovery processes	Troy Walker Veolia Water Australia
11.30	02 Development of a unified trade waste policy for Unitywater	Brian Parson Unity Water	05 In Situ waste stabilisation pond desludging - Case study	Kathleen Hocking Power and Water	08 Resources Recovery from Australian Biosolids: Technology Options	Chraig Mehta AWMC
12.00	03 Maintaining sewer salt load reductions through cleaner production	Randa Kondos City West Water	06 Triclosan in biosolids: A hazard assessment for soil organisms	Rai Kookana CSIRO	09 Development of a beneficial use for clay rich biosolids	Peter Bishop Melbourne Water corp
12.30	LUNCH					
Session 5: Trade Waste as a resource			Session 6: Risk management		Session 7: Strategic thinking 1	
13.30	10 Biosolids to energy: co-processing fog and sludge to increase energy recovery potential	Joseph Cesca CH2M HILL	13 Laboratory Simulation of pathogen die-off in airdried and stock piled biosolids	Duncan Rouch RMIT University	16 Review of Sydney Water's biosolids strategy	Iain Fairbairn Sydney Water
14.00	11 Development of a catchment based wastewater mass load model	Colin Hester Queensland Urban Utilities	14 South East Water Sewage treatment Plants - Implementation of HACCP based approach to monitor biosolids quality from 'source to resource'	Avarind Surapaneni South East Water	17 UnityWater biosolids management strategy	Gokul Bharambe CH2M HILL
14.30	12 A case study: sustainable and cost-effective water treatment solutions for the dairy industry	Alianne Rance EcoLogical Water Solutions	15 New Zealand Biosolids: Regulation, Risks and Realities	Jim Bradley MWH	18 A strategy for beneficially reusing Melbourne Water's biosolids	Sri Patnaikuni Melbourne Water
15.00	AFTERNOON TEA					
Session 8: Risks - Pathogens and contaminants			Session 9: Sustainability and climate change		Session 10: Biosolids processing technologies 1	
15.30	19 Management of pollutant sources to minimise salinity risk for sporting ovals using recycled water for irrigation	Muhit Rahman University of Western Sydney	22 Using Real Results to improve the sustainability of biosolids reuse	John Powell Resource Recovery Management	25 Technical Study of Hydrothermal Processing of Melbourne Water biosolids	Philip Wilkie Melbourne Water
16.00	20 Investigation into urine diversion toilets in an institutional setting	Prasanthi Hagare University of Technology	23 Biosolids Application Enhances carbon sequestration in soils	Nanthi Bolan University of South Australia	26 A simple biosolids Solution	Michael Naughton Barwon Water
16.30	21 Integrated sewage quality management system - the management of pollutants using BDE209 as a case study	Lidia Harvey Melbourne Water	24 Life Cycle Assessment Perspectives on the Beneficial Reuse of biosolids	Joe Lane AWMC	27 High rate methogenesis as a new stabilisation technology	Dang Ho AWMC

Subject to Change (see website for updates)

PRELIMINARY PROGRAM TUESDAY 19 JUNE 2012

TIME	TOPIC	PRESENTER	TOPIC	PRESENTER	TOPIC	PRESENTER
9.00	REGISTRATION					
Session 11: Keynote Presentation						
9.45	K03 KEYNOTE Presentation - Source Management	Michael Catchpole, Allconnex Water	K04 KEYNOTE Presentation - Biosolids	Bill Barber, Biosolids and Wastewater, AECOM		
10.30	MORNING TEA					
COMBINED SOURCE MANAGEMENT & BIOSOLIDS STREAM			BIOSOLIDS STREAM		BIOSOLIDS STREAM	
Session 12: Risks - Pathogens and contaminants			Session 13: Biosolids processing technologies 2		Session 14: Health	
11.00	28 The Heavy Metal Prince: A case study of seriously contaminated biosolids	Brendan Hanigan Southern Water	31 Effect of temperature increase from 55 to 70 degrees on anaerobic digestion of WAS	Huoqing Ge AWWC	34 Updating Sydney Water's pathogen risk assessment from land applied biosolids to include blastocystis	Peter Cox Sydney Water
11.30	29 Can regulation provide a better environmental outcome? NPDC's drive to lower metal levels in biosolids	Kimberley Hope New Plymouth District Council, NZ	32 Which digester enhancement opportunity is best for me?	Cameron Staid MWH	35 Biosolids Reuse in New Zealand - assessing the impacts of chemical cocktails on the soil ecosystem	Jacqui Horswell ESR Ltd, NZ
12.00	30 Examining the risks to public health and the environment from perfluorochemicals (PFC's) when applying biosolids to land	Bradley Clarke University of Arizona	33 Treatment processes and changes in biosolids volatile organic sulphur compounds	Jean Davis Sydney Water	36 Front to back: a social, economic and technical assessment of reuse-orientated sanitation systems in a peri urban town, Northern Malawi	Ben Cole Murdoch University
12.30	LUNCH					
Session 15: Codigestion of biosolids and industrial waste			Session 16: Odour		Session 17: Strategic thinking 2	
13.30	37 Evaluation of Biosolids treatment technologies for combined industrial and domestic wastes	James Kay CH2M Hill	40 How bad do biosolids smell?	John McAndrew MWH	43 The future of biosolids regulation	Paul Darvodelsky PSD
14.00	38 Anaerobic co-digestion of biosolids with meat industry DAF sludge under batch condition	Yuanmei Sha RMIT	41 Laboratory scale investigation of potential odour reduction strategies in biosolids	Yolanta Gruchilik Curtin University	44 Review of regulations (Australian and Overseas) governing repeat application of biosolids on agricultural land	Daryl Stevens Atura
14.30	39 Full scale application of Anaerobic treatment system in Japan - co digestion of food processing waste	Kazumasa Kamachi Swing Corporation	42 Controlling an Environmental Nuisance: Odour	Phil de Groot Trility Pty Ltd	45 Collaborative efforts in biosolids management ANZBP 2007-2012	Nancy Penney Water Corporation
15.00	AFTERNOON TEA					
Session 18: Risks - Emerging risks management			Session 19: Technologies applies		Session 20: Innovative and emerging techniques	
15.30	46 A national approach to regulation and management of chemicals in Australia	Tara McCormack South East Water	49 Completion in the bedding in of new dried biosolids technology	Ronald Crafter United Water	52 Recuperative thickening: Impact of dewatering on anaerobic activity	Damien Batstone University of QLD
16.00	47 The status of knowledge and current research on emerging organic contaminants in New Zealand biosolids	Grant Northcott Plant and Food Research	50 A review of the Oxley Creek WWTP Centralised Biosolids Handling Facility after Five Years of Operation	Daniel Starrenburg Queensland Urban Utilities	53 Assessment of repeat application frequency for beneficial use of biosolids in the south-east region of outer Melbourne	Nihal Albuquerque RMIT
16.30	48 Manufactured nano-materials - an emerging issue for wastewater treatment and biosolids reuse	Mike McLaughlin CSIRO	51 Anaerobic digestion of WAS at Coombabah WWTP	Graham Gloag Worley Parsons	54 Pilot study on ultrasonic pre-treatment of waste activated sludge anaerobic digestion for improved energy recovery	Sofia Andriany Queensland Urban Utilities

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