



**WASTE MANAGEMENT
ASSOCIATION
OF AUSTRALIA**

Industry Update

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Major Projects

WMAA

- Compost Roadmap
- AWT/DORF
- Australian Alternative Covers Assessment Project
- National Landfill Survey
- BioEnergyTask 36
- Conferences, Overseas Study Tour and International Speaker tours.

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Compost Roadmap

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- Background
- New appointment- National Support
- National Compost Product Accreditation and Brand Marketing Scheme
- Training and support scheme for small processors
- Contamination Management guidelines/code of practice
- Research and Development networks
- Developing an industry position on a regulatory framework that will allow the industry to grow
- Communication plan for engaging more of the industry and government
- Annual Processor Survey and survey of new markets
- Market Development Funding and Project

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AWT DORF

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(AWT Derived Organic Rich Fractions)

- NSW based Project
- Applications for organic material derived from mixed municipal waste
- Make recommendations on contamination guidelines for organic material derived from AWT processes.
- Two differing views

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AWT/DORF cont.

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- AS4454 or the NSW Biosolids Guidelines
- Possible contaminants beyond this scope not found in source separated material
- Concentrations, and how would they be measured?
- The Stage 1 Report now out
- Inorganic contaminants
- Organic contaminants (12 compounds) of concern.
- Three categories: pesticides, herbicides and plasticisers.
- The full Report can be downloaded at http://www.wmaa.asn.au/nsw/awtdorf_s1.pdf
- Tenders called for Stage 2.

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AACAP

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- Australian alternative covers assessment program
- \$3.5 million over 5 years
- 5 Sites – 5 Universities
- 33 Partners
- Overseas experts April

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National Landfill Survey



- Frustration
- No consistent data on Australian landfills
- Locate and send surveys
- Type of landfill, materials accepted , tonnages received and space left
- Infrastructure eg., weighbridge, CCTV, wheel wash, type of liner, leachate collection and landfill gas collection
- Resource Recovery activities
- Rehabilitation methods in place
- Monitoring for dust, odour etc
- Equipment used on site.

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Results



- Total of 650 landfills identified, 230 responded
- Accepted 10.8MTonnes of waste last year (approx 30% of landfills and 50% of total waste in Australia)

State	Number	Proportion	Tonnes
WA	66	29%	2,102,063
VIC	38	17%	2,218,602
TAS	11	5%	614,000
QLD	58	25%	2,789,391
NSW	57	25%	3,096,528

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Results

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- Prevention of carry over of dirt is prevented on large sites by sealed roads, wheel washers and road sweepers in over 60% of cases.
- 50% of the even smallest sites also have stormwater controls
- 10%+ of the larger sites are using alternative capping approaches
- Ferrous metals are recycled at over 80% of all landfills.

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Survey results

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- Over half the biggest sites also have a geomembrane composite liner
- High proportion collect leachate and many treat the leachate
- Most sites above 25,000 tpa have at least a clay liner
- Over 80% of larger sites have stormwater controls and ponds
- Clay caps are common in over 70% of sites and most sites above 25,000 tpa have at least a clay liner.

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Results

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- High proportion collect leachate and many treat the leachate
- All but the smallest sites compact the waste with specialist equipment.
- Close to 90% use daily cover and have active litter controls in place.

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Landfill survey cont.

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- Where to from here
- Collect remainder of data in 2006
- Landfill matching

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BIOENERGY TASK 36

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- Energy from Waste Division
- Relationship between product designers and post consumer resource recovery processors.
- Investigate EPR/PS Schemes to project the quality and availability of residual MSW
- To Understand the EfW capabilities necessary to optimise energy recovery going forward.

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Overseas study tour

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- Asia and Europe
- Dates: Leaving 16th September 2006 for 2 weeks.
- Hong Kong, Spain, France, Germany and Denmark
- Optional extras: International Solid Waste Association conference & tours - Copenhagen

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International Speaker Tours

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- April/May 2006
- Dr Robert Rynk – Philadelphia USA
- Compost expert and former technical editor of BioCycle Magazine.

- November 2006
- Raffaello Cossu – University of Padua, Italy
- Founder of Sardinia Landfill Symposium- Sustainable landfilling

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Transfer Stations

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- International Conference
- The Changing Role of Transfer Stations
- 9-11 August 2006
- Novotel twin Waters, Sunshine Coast
- www.transferstations.com.au

- Special Membership offer at Coffs Harbour

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