

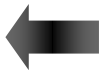
Proceedings of the U.S. Composting Council's 18th Annual Conference & Tradeshow

January 24-27, 2010
Wyndham Resort
Orlando, Florida



US Composting
Council

PROGRAM AGENDA (SCROLL DOWN)
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Monday | Jan 25, 2010

Plenary Session:

CRITICAL ISSUES IN COMPOSTING & ORGANICS RECYCLING

8:00 am – 9:45 am Plenary Session: The Future of Composting and Organics Waste Management in the U.S.		Floral Ballroom
A Vision for Organic Waste Management.	<i>Paul Sellew, Harvest Power, Inc., MA</i>	 Sellew
The Critical Role That Composting and Compost Utilization Play in a Sustainable Community's Infrastructure.	<i>Nora Goldstein, Biocycle Magazine, Emmaus, PA</i>	 Goldstein
SunChips and the World's First Compostable Chip Bag	<i>Carrie Walsh and Ashley Leidolf, Frito-Lay, Inc., Plano, TX</i>	 Walsh
Fact versus Fiction: Yard Waste and Landfills	<i>Sally Brown, Washington State University</i>	 Brown_S_1

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Track 1 | INCREASING FOOD RESIDUALS COMPOSTING, BUILDING INFRASTRUCTURE, INCREASING ORGANICS DIVERSION, DEVELOPING REGULATIONS, PROTECTING YARD DEBRIS DISPOSAL BANS







10:45 am – 12:30 pm Increasing Food Residuals Composting and Infrastructure in the U.S.		Jasmine
Source Separated Organics Programs-- Recycling's Next Frontier	<i>Peter Anderson, Center for A Competitive Waste Industry, Madison, WI</i>	 Anderson
Zero Waste Zones: Mobilizing an Industry to Make a Difference	<i>Holly Elmore, Green Foodservice Alliance, GA</i>	 Elmore
The Merits of Decentralized Treatment of Food Waste: Experiences from the U.K.	<i>John Cockram, Green Cone Limited, UK</i>	 Cockram
Building Infrastructure by Integrating Food Residuals into Existing Yard Waste Composting Programs	<i>Sharon Barnes, Barnes Nursery, OH</i>	 Barnes
1:45 pm – 3:30 pm Efficient and Cost Effective Food Waste Collection, Developing Better Regulations		Jasmine
The Dollars and Sense of Pricing Food Scrap Collection in Central Vermont	<i>Donna Casey, Central Vermont Solid Waste Management District, Montpelier, VT</i>	 Casey

Residential Food Waste Collections, Quality and Efficiency: the North Italian Experience	<i>Christian Garaffa, Novamont, SpA, Italy</i>	 Garaffa
Effects of EOW (Every Other Week) Collection of Food Waste on Collection and Capture Rates	<i>Rod Muir, Sierra Club of Canada</i>	 Muir
Designing Compost Regulations that Protect the Environment and Promote an Operator/Regulator Partnership	<i>Greg Pirie, Napa County Executive Office/Department of Environmental Management, Napa, CA</i>	 Pirie
4:15 pm – 6:00 pm Keep Composting Yard Waste – USCC's National Strategy to Protect Yard Waste Landfill Bans Jasmine		
Making the Case for Maintaining Yard Waste Landfill Bans	<i>Sally Brown, Washington State University, WA</i>	 Brown_S_2
Efforts to Maintain Yard Waste Bans by States	<i>JD Lindeberg, Michigan; Chris Snow, Florida; Wayne King, Sr., Georgia; Patrick Geraty, Missouri</i>	 Lindeberg
LEAC Efforts to support Yard Waste Bans	<i>David Hill, CycleLogic, LEAC Chair</i>	
Roundtable Discussion: Strategies on how to effectively fight efforts to overturn landfill bans	<i>Mitch Kessler, Kessler Consulting, Inc, FL</i>	

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Track 2 | ODOR CONTROL, PROCESS & FACILITY MANAGEMENT, FACILITY DESIGN, EMISSIONS MONITORING

10:45 am – 12:30 pm Odor Control, Process Management & Emissions Monitoring Magnolia		
Site Operations Planning for Odor Prevention and Treatment	<i>Jeff Gage, Compost Design Services, Olympia, WA</i>	 Gage_1
Management of Odors through Design and Operations	<i>Eliot Epstein, Epstein Environmental Consultants, FL</i>	 Epstein
The Importance of Public Outreach in an Effective Odor Control Strategy	<i>Marc Levin, NCM Odor Control, NJ</i>	
Use of Thermography in Emission Sampling.	<i>Fatih Büyüksönmez, Z Gu, S. Riseh, and L. Yang, Civil and Environmental Engineering, San Diego State University, San Diego, CA</i>	 Buyuksönmez_1
1:45 pm – 3:30 pm Workplace Safety, Compost Facility Best Management Practices, Equipment and System Selection Magnolia		
Conducting Job Hazard Analysis for Composting Facilities, Including Some Considerations for Diversity and for Persons with Disabilities	<i>Nellie Brown, Cornell University, Ithaca, NY</i>	 Brown_N
The Evolution of Composting at Ohio State University: The Practical Aspects of Compost Management	<i>Gerald Reid, Ohio State University, Wooster, OH</i>	 Reid

Evaluation of Slow Speed Shredders for Bulking Agent	<i>Craig Coker, Coker Composting and Consulting, Vinton, VA and Ken Newman, Royal Oak Farm, LLC, Evington, VA</i>	 Coker
How to Select a Composting System When There are So Many Options from Which to Choose	<i>Steve Diddy, Engineered Compost Systems, Seattle, WA</i>	 Diddy
4:15 pm – 6:00 pm Compost Facility Design and Retrofit for Operational Efficiency Magnolia		
Upgrading Food & Yard Waste Composting Technology, Permitting and Facility Upgrades Required for 110,000 Ton/Year Facility Located in Central California	<i>Tim O'Neil, Engineered Compost Systems, and WA Chris Choate, Recology, CA</i>	 ONeil
Wilmington Organics Recycling Center (WORC): Development of a Large-Scale Composting Facility	<i>Nelson Widell, The Peninsula Compost Group, Wilmington, DE</i>	 Widell
Microbial Monitoring, Measurement and Process Maximization	<i>Edwin Blosser, Midwest Bio-Systems, Tampica, IL</i>	 Blosser
Spotsylvania County's New Improved Composting Facility	<i>Todd O. Williams, CH2M Hill, Richmond,</i>	 Williams

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Track 3 | **MARKETING, SUCCESSFUL BUSINESS PRACTICES, EQUIPMENT SELECTION, & VERMICOMPOSTING**

10:45 am – 12:30 pm Marketing and Regulatory Requirements Oleander A & B	
Innovative Marketing Tools, Programs and Strategies.	<i>David Hill, Cyclelogic, Bethesda, MD</i>  Hill
Regulatory Requirements for Compost Products Under the Fertilizers Act.	<i>Haley McKinnon, Canadian Food Inspection Agency, Ontario, Canada</i>  McKinnon
Fertilizer and Soil Amendment Regulation Can Impact Compost Sales.	<i>Ron Alexander, R. Alexander Associates, Apex, NC</i>  Alexander
1:45 pm – 3:30 pm The Business of Composting and Organics Recycling Oleander A & B	
Getting to ROI. Assessing which Activities and Markets are Profitable and Sustainable	<i>Kathy Kellogg Johnson, Kellogg's Garden Products, Carson, CA</i>  Kellogg
Growing a Company in a Recession, Tough Decision Making, Difficult Financial Atmosphere, Favorable Business Model, Spells Success	<i>Chuck Wilson, A-1 Organics, CO</i>  Wilson

Maintaining Profits and Profit Margins through Feedstock and Product Diversification	<i>Patrick Geraty and Rebecca Geraty, St. Louis Composting, MO</i>	 Geraty
4:15 pm – 6:00 pm	Compost Equipment Selection, Vermicomposting, & Perspectives on Managing Food Waste	Oleander A & B
Vermicomposting at Businesses and Institutions	<i>Rhonda Sherman, North Carolina State University</i>	
Using Innovative Equipment to Separate Plastic from Yard Waste.	<i>Jim Reece, CHMM, Fort Walton Beach, FL.</i>	 Reece
Large-Scale Vermicomposting.	<i>Mike Nicholson, WeCare Organics, LLC, Jordan, NY.</i>	 Nicholson
Animal, Vegetable, or Mineral? Solid, Liquid, or Gas? New Perspectives on Managing Food Scraps from Municipalities	<i>Kendall Christiansen, Gaia Strategies, Brooklyn, NY</i>	 Christiansen

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Track 4 | BUILDING BRIDGES BETWEEN THE INVESTMENT COMMUNITY AND THE COMPOSTING AND ORGANICS RECYCLING INDUSTRY

10:45 am – 12:30 pm	Accessing Bank Financing and the Debt Capital Markets in Today's Economic Environment	Palms B
Roundtable Discussion with senior bankers and lending professionals presenting a variety of perspectives on accessing bank and bond financing in today's economic environment.	<i>Partho Sanyal, Bank of America Merrill Lynch,; Tina Neal, Piper Jaffray & Co., Andrew S. Rose, Wastefinance.com and Tony Cone, Westhoff, Cone & Holmstedt,</i>	
1:45 pm – 3:30 pm	Latest Trends in Private Equity and Their Impact on Composting and Organics Recycling Funding	Palms B
A Roundtable Discussion with leading financial sponsor executives	<i>Bryan Lin, The Carlyle Group, Andrew Trigg, HSBC Capital (USA) Inc., Amol Deshpande, Kleiner Perkins Caufield & Byers, and Phil Arra, Terra Verde Partners</i>	
4:15 pm – 6:00 pm	Alternatives to Traditional Private Equity and Bank Financing	Palms B
Professionals from three alternative sources of capital will each present an overview of their market and what factors are necessary to attract investors. Opportunities for Q&A will be available for each speaker.		
The Mezzanine Market	<i>Andrew Trigg, HSBC Capital (USA) Inc., New York, NY</i>	 Trigg
The Public Finance Market	<i>Tina Neal, Piper Jaffray & Co., Richmond, VA</i>	
The Ag Bank Market	<i>Nathan Rudgers, Farm Credit East, ACA, Batavia, NY</i>	

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Track 1 | CLIMATE CHANGE LEGISLATION, CARBON CREDITS, REDUCING GREENHOUSE GAS EMISSIONS (GHG's), ZERO WASTE PLANNING, MAXIMIZING ORGANICS DIVERSION, & ENERGY PRODUCTION






8:30 am – 10:00 am		Effects of Climate Change Legislation on the Composting and Organics Recycling Industry	Jasmine
Status of Energy and Climate Legislation Impacts on Composting, Anaerobic Digestion and The Food Recovery Hierarchy	Scott Subler, Environmental Credit Corp., Ithaca, NY		Subler
USCC Efforts to Influence Climate Legislation to Benefit the Composting and Organics Recycling Industry	RJ Bee, Hattaway Communications		Bee
New Revenue Opportunities from Carbon Credits with the Climate Action Reserve	Joel Levin, Climate Action Reserve, CA		Levin
10:45 am – 12:15 pm		Climate Change, Organics & Composting	Jasmine
A Carbon and Renewable World: Composting's Role	Gauri Patanaker, Element Markets, Houston, TX		Patanaker
Compost: The Connection to GHG and Global Warming	Monica Ozores-Hampton, University of Florida/IFAS/SWFREC, Immokalee, FL		Ozores-Hampton
Mitigating Greenhouse Gases through Composting	Ray Kapahi, John McCabe, C. Hul. GHG Climate Team, LLC. Wilton, CA		Kapahi
12:15 pm – 2:00 pm		Annual Awards Luncheon	Palms Ballroom B-D
Annual Award Ceremonies	Frank Franciosi, Awards Committee Chair		Awards
Soil Saving Lives: Composting and International Agricultural Development	Douglas Satre, Kellogg Garden Products, Carson, CA		Satre
2:00 pm – 3:45 pm		Organics Program Development and Maximizing Diversion: Part I	Jasmine
Composting – A Beginning to End of Life Situation In Seattle	Doug Kunnemann, NatureWorks LLC, Minnetonka, MN		Kunnemann
Go Green, Save Green in the Corporate Environment	Mike Manna, Organic Recycling Solutions, Manchester, NJ		Manna
US EPA Region IV/USCC Compost Infrastructure Meeting Recap and Future Plans.	Frank Franciosi, Novozymes, NC		Franciosi
Green-Ness Is Next to Godliness: Composting at a Religious Facility	Michelle G. Minstrell, Gershman, Brickner & Bratton, Inc, Fairfax, VA		Minstrell

4:30 pm – 6:00 pm Organics Program Development and Maximizing Diversion: Part II		Jasmine
Roadmap for Maximizing Organics Recycling	<i>Mitch Kessler, Kessler Consulting, Inc., Tampa, FL</i>	 Kessler
Closing the Loop: Composting Opportunities within the Healthcare Segment.	<i>Nicole Chardoul, Resource Recycling Systems, Ann Arbor, MI</i>	 Chardoul
The Greening of America: Organics Diversion	<i>Peter Klaich, Klaich Consulting, Roswell, GA</i>	 Klaich
Florida Organic Recycling Center for Excellence (FORCE)	<i>Miriam Zimms, Kessler Consulting, Inc., Tampa, FL</i>	 Zimms

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Track 2 | COMPOST SYSTEMS & TECHNOLOGIES, ANAEROBIC DIGESTION AND ENERGY RECOVERY FROM ORGANICS









8:30 am – 10:00 am In-Vessel and other Composting Technologies		Magnolia
In-Vessel Composting of Source Separated Food Waste in Hong Kong	<i>J. W. C. Wong, E. Epstein and Y. Wu, Hong Kong Baptist University, Hong Kong, China</i>	 Wong
In-Vessel Composting, Barcelona, Spain: Proven and Cost-Effective Solutions	<i>Michael Herken, Taim Weser GmbH, Bad Oeynhausen Germany</i>	 Herken
Get "SMART" with Food Waste. Modular Aerobic Digestion	<i>Jack Walsdorf, Converted Organics Inc, Boston, MA</i>	 Walsdorf
10:45 am – 12:15 pm Anaerobic Digestion and Energy Recovery Part I		Magnolia
Anaerobic Digestion: State of the Art	<i>Luc De Baere, OWS NV, Ghent, Belgium</i>	 De Baere
Integration of Composting and Anaerobic Digestion Systems	<i>George Savage, CalRecovery, Inc, Concord, CA</i>	 Savage
Partnership to Implement Conversion Technology	<i>Michele Young, City of San Jose, CA</i>	 Young
Comparative Suitability of Anaerobic Digestion Methods for Treating Solid Waste	<i>Melvin S. Finstein, American Anaerobic Digestion, Rutgers, NJ</i>	 Finstein
2:00 pm – 3:45 pm Anaerobic Digestion and Energy Recovery Part II		Magnolia
Energy Recovery from Organics and the Composting of Dry Fermentation Residuals	<i>Nadeem Afghan, Bioferm Energy Systems, Madison, WI</i>	 Afghan
Synergies of Composting and Anaerobic Digestion: Odor Control, Marketable Product, and System Selection	<i>Jerry Bartlett, Cedar Grove Composting, Seattle, WA</i>	 Bartlett
Dry Fermentation for Multifamily and Commercial Organics Diversion.	<i>Watson, Harvest Power, Inc. Seattle, WA</i>	 Watson

Development of Vermont's Compost / Biogas Data Viewer and Information System	David Healy & Barbara Patterson, Stone Environmental, Inc. Montpelier, VT	 Healy
Anaerobic Composting of Coffee Pulp Feedstock	Jose Dumas, Joaquin Chong and Nilsa Acin, University of Puerto Rico Agricultural Experiment Station	 Dumas
4:30 pm – 6:00 pm Renewable Energy from Organics, Composting and Digestion Integration Magnolia		
Development of a Mobile Pelletizing System for Grass Fuel Pellets	Robert Rynk, SUNY Cobleskill, NY	 Rynk
Biogas in Society "Success Stories"	Johannes Pohl, Komptech USA Inc., Lafayette, CO	 Pohl
Liquids Extraction/Digestion for More Efficient Composting	Bruce Coxhead, Zero Waste Energy Systems, Ontario, Canada	
Compatibility of Composting and Digestion	Will Brinton, Woods End Research Lab, ME	 Brinton

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Track 3 | ENVIRONMENTAL APPLICATIONS, EROSION CONTROL, & NEW BENEFITS OF COMPOST USE









8:30 am – 10:00 am Compost Use for Erosion Control, Stormwater Management and Products of Anaerobic Digestion Oleander A		
Use of Compost in Manufactured Soil for Wetland Restoration and Storm Water Management.	Goeff Kuter, Agresource, Inc, Amesbury, MA	 Kuter
Are Compost Blankets the Best Performing (and Greenest) Erosion Control Technology?	Britt Faucette, Filtrexx International, Grafton, OH	 Faucette
Hydraulic Properties of Compost when used as a Berm for Stormwater Treatment/Sediment Control	Fatih Buyuksonmez, San Diego State University	 Buyuksonmez_2
Composting Digestates of AD Plants in Europe	Björn de Haan, BACKHUS North America, New York, NY	 DeHaan
10:45 am – 12:15 pm Environmental Applications and Improvements Using Compost Oleander A		
Compost Application Strategies Affect Turfgrass Grown in Disturbed Soils	Gregory K. Evanylo, Department of Crop and Soil Environmental Sciences, Virginia Tech, Blacksburg, VA	 Evanylo
A New Modular Cropping System Utilizes Blended Yard Waste Compost Growing Media, Increasing Compost Value And Sales Volume, While Achieving Superior Crop Performance	Rod Tyler and Kip Gardner, Filtrexx International LLC, Grafton, OH	 Tyler
Compost Influence on Dendroremediation of Pulpmill Effluent by Fast Growing <i>Eucalyptus</i> , <i>Populus</i> , and <i>Corymbia</i> Species	D. L. Rockwood, University of Florida, Gainesville, FL	 Rockwood

Composting at the US House of Representatives	<i>Perry Plumart. Office of Speaker Pelosi, US House of Representatives. Washington, DC</i>	 Plumart
2:00 pm – 3:45 pm Environmental and Economic Benefits of Composting and Compost Use Oleander A		
Quantifying Benefits of Compost Use	<i>Sally Brown. Washington State University, WA</i>	 Brown_S_3
A Life Cycle Approach for Measuring the Environmental and Economic Benefits of Composting	<i>Keith A. Edwards, BASF Biodegradable Plastics, Ypsilanti, MI</i>	 Edwards
Long-Term Benefits of Compost and Biosolids Use Include Carbon Sequestration and Improved Soil Quality	<i>Katherine Kurtz, University of Washington, Seattle, WA</i>	 Kurtz_K
4:30 pm – 6:00 pm Using Foundry Sands in Soil Blending Applications Oleander A		
National Overview of Efforts to Promote the Beneficial Use of Spent Foundry Sands	<i>Richard Benware, US EPA</i>	 Benware
Foundry Sand Environmental Profile	<i>Dr. Robert Dungan, USDA</i>	 Dungan
Soil Attributes and Performance in Manufactured Soils	<i>Dr. Elizabeth Dayton, Ohio State University, OH</i>	 Dayton
Using Foundry Sands in Soil Blending Applications: Case Study	<i>John Kurtz, Kurtz Bros., OH</i>	 Kurtz_J

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Track 4 | COMPOSTABLE PLASTICS, MANAGING DISASTER DEBRIS, MORTALITY COMPOSTING, TOOLS OF THE TRADE

8:30 am – 10:00 am Mortality Composting Oleander B		
Carcass Composting in Montana, an Update	<i>F. Patrick Crowley, Crowley Consultants, LLC, Helena, MT</i>	 Crowley
On-Farm Mortality Composting of Large Animal Carcasses	<i>Josh B. Payne, Oklahoma State University, Stillwater, OK</i>	 Payne
The Role of Composting in Natural Disasters	<i>Jean Bonhotal. Cornell University, Ithaca, NY</i>	 Bonhotal
Carcass Composting at Kansas Feedlots	<i>Ken Powell. Kansas Department of Health & Environment, Topeka, KS</i>	 Powell
10:45 am – 12:15 pm Compostable Plastics: Standards and Industry Status Oleander B		
The BPI/USCC Compostable Logo: 10 Years and Growing	<i>Steve Mojo, Biodegradable Products Institute, NY</i>	 Mojo
Marketing Bioplastics and the Composting Infrastructure	<i>Debra Darby, Mirel Bioplastics By Telles, Lowell, MA</i>	 Darby

Expanding the Use of Compostable Plastics: A Novel Approach to Corrosion Inhibiting Films	<i>Michael J. Morin and Kristy A. Gillette, Cortec Corporation, St. Paul, MN</i>	 Morin	 MORIN.doc
New Products and Expanding Uses Compostable Plastic Mesh Lawn and Leaf Bags	<i>Paul Kolada and Frederick Feeney, Priority Designs, Columbus, OH</i>	 Kolada	
2:00 pm – 3:45 pm "Tools of the Trade" Workshop		Oleander B	
Compost Maturity Tests-The Good, The Bad and The Confusing	<i>Paul Arnold, Acadia University, Wolfville Nova Scotia, Canada</i>	 Arnold	
New Developments in Oxygen and Temperature Monitoring	<i>Nathan O'Connor. Reotemp Instruments, San Diego, CA</i>	 O'Connor	
Field Tests for Compost Maturity and Stability	<i>Will Brinton, Woods End Research Lab, ME</i>		
Tools of the Trade	<i>Jeff Gage, Compost Design Services</i>	 Gage_2	
4:30 pm – 6:00 pm Managing Disaster Debris and Composting Other Feedstocks		Oleander B	
Managing Vegetative Disaster Debris Reductions: A Noble Purpose to Practical Implementation	<i>John C. Rogers, Louisiana Department of Environmental Quality, Baton Rouge, LA</i>	 Rogers	
Static Composting of Dairy Manure in a Desert Environment	<i>David Johnson, NMSU/Institute of Energy and Environment, Las Cruces, NM</i>	 Johnson	
Mineral Analysis of Compost Subjected to Different Microbial Inoculation	<i>Onawumi Adeyinka, Federal College of Forestry, Ibadan, Nigeria; O. Fagadee, University of Ibadan, Nigeria.</i>	 Adeyinka	