



*Envisioning the Future, and the Future is Now!*

**The Largest Conference and Exhibition in the World for the Composting, Wood Waste, & Organics Recycling Industry**

[See full schedule "at a glance"](#)

**Monday, Jan 24, 2011**

**PRE-CONFERENCE TRAINING COURSES & WORKSHOPS (FOR DETAILS CLICK HERE)**

Time	Course	Location
9:00am-3:00 pm	Aerated Static Pile Composting - Applications and Advancements. <i>Instructor: Peter Moon, PE</i>	Stevens Creek
8:30 am -noon	Aspects of Facility Design: Planning, System Selection and Environmental Management <i>Instructor: Eliot Epstein</i>	San Tomas
8:00 am-noon	Challenges and Solutions for a Successful Food Waste Recycling Program. <i>Instructors: Mike Manna and Peter Klaich,</i>	Lafayette
8:30 am-4:30 pm	Compost Benefits and Usage in Vineyards: Growing Better Grapes, Recipes, Compost Applications and Compost Production. <i>Instructor: Bob Shaffer</i>	Bayshore East
8:30 am-4:30 pm	Compost Business Management. <i>Instructors: Craig Coker, Tom Spiggle, &amp; Andrew Kessler</i>	Lawrence
8:30 am -noon	Compost Outreach: Best Practices in Compost Education. Programs, <i>Instructor: Stan Slaughter</i>	Napa
1:00 pm – 5:00 pm	Compost Production for Food Safety. <i>Instructors: Johnny Massa, Pat Millner, Carrie Gregory, Mike Villaneva</i>	Lafayette
9:00 am-3:00 pm	Compost Sales and Marketing Workshop. <i>Instructor: Ron Alexander</i>	Alameda
9:00 am-4:00 pm	Compost Use in Agriculture, Horticulture and Landscaping. <i>Instructors: Dr. Monica Ozores-Hampton, Dr. Donald Rockwood, Dr. Ronald French-Monar</i>	Camino Real
1:00 pm -5:00 pm	Management of Odor Issues at Compost Facilities. <i>Instructor: Jeff Gage</i>	San Tomas
8:00 am-noon	Protecting Workers: Conducting Job Hazard Analysis For Composting Facilities. <i>Instructor: Nellie Brown, CIH</i>	Bayshore West
8:30 am-4:30 pm	USCC Foundations of Composting. <i>Instructors: Dr. Robert Rynk &amp; Matt Cotton</i>	Winchester
1:00 pm – 5:00	When Bad Things Happen at Your Composting Facility – Imagining What Can Go Wrong and How You Can Recover. <i>Instructor: Nellie Brown, CIH</i>	Bayshore West

**11:00 am – 6:00 pm**    **Exhibitor Registration & set up**    **Convention Center Ballroom**  
**12:00 pm – 1:00 pm**    **Lunch for those taking a full day of workshops**    **Magnolia**  
**3:00 pm – 5:00 pm**    **POWER Meeting**    **Napa**

POWER – Perishable Organics Waste to Energy Recycling – is an industry working group dedicated to exploring the highest good use of perishable organics. Chris Moyer with the National Restaurant Association’s Conserve Program will co-present on Mobilizing the Foodservice Industry to Embrace Organics Collection. *Meeting Fee: \$25 for Ei members and Government/Non-Profits, \$75.00 for others, collected at the door.*

**5:15 pm – 6:30 pm**    **Annual Membership Meeting**    **Stevens Creek**

**Tuesday, Jan 25**

**7:00 AM**    **EXHIBITS OPEN, BREAKFAST AVAILABLE**    **CONVENTION CENTER BALLROOM**

**8:30 AM**    **PLENARY SESSION**    **SANTA CLARA BALLROOM**

**WELCOME DR. STUART BUCKNER, USCC EXECUTIVE DIRECTOR**

**ENVISIONING THE ORGANICS MANAGEMENT FACILITY OF THE FUTURE**

Panel of leading composting and anaerobic digestion facility “developers” present their visions on what organics management facilities will look like 5 to 10 years from now.

*Moderator: Matt Cotton, IWM Consulting*

- **Mike Sangiacomo, CEO, Recology**
- **Paul Sellev, CEO, Harvest Power**
- **Jerry Bartlett, Vice President, Cedar Grove**
- **Michele Young, Director of Organics Management, San Jose**

**10:00 AM**    **BREAK IN EXHIBIT HALL**    **CONVENTION CENTER BALLROOM**

- TRACK 1. INDUSTRY GROWTH, REGULATIONS, ORGANIC AGRICULTURE MARKET IN CA CYPRESS**
- 10:45 AM COMPOSTING INDUSTRY GROWTH CYPRESS**  
Moderator: Chuck Wilson, A-1 Organics
- How to Grow the U.S. Composting Industry. *Nora Goldstein, BioCycle, Emmaus, PA*
  - Meeting the Challenges of a New Decade--An Update on the CA Composting Industry. *Matt Cotton, IWM Consulting, Nevada City, CA*
  - Waste Management Grows It's Organics Portfolio. *Eric Myers, Waste Management, Houston TX*
- 12:30 PM LUNCH AVAILABLE IN EXHIBIT HALL CONVENTION CENTER BALLROOM**
- 1:45 PM REGULATIONS AND CARBON CREDITS CYPRESS**  
Moderator: Scott Subler, Environmental Credit Corp.
- New USDA and FDA Rules May Affect Composters. *Pat Millner, USDA, Beltsville, MD*
  - How Can Permitting Encourage More Organics Diversion and Composting? *Terry Keene, Barton & Loguidice Camp Hill, PA*
  - Model State Composting Regulations. *Brenda Platt, Institute for Local Self-Reliance, Washington, DC*
  - Climate Action Reserve Protocol for Organic Waste Composting. *Max DuBuisson, Climate Action Reserve, Los Angeles, CA*
- 3:30 PM BREAK IN EXHIBIT HALL CONVENTION CENTER BALLROOM**
- 4:15 PM SELLING COMPOST TO CERTIFIED ORGANIC FARMS: THE IMPACT OF CA AB 856 CYPRESS**  
Do you sell compost into certified organic agriculture? Do you want to? AB 856 created a number of sweeping changes in how compost can be sold into organic agriculture. This session will provide a background on AB 856, describe the changes to CA law and describe what composters have to do if they want to sell compost into certified organic agriculture.  
Moderator: Matt Cotton, IWM Consulting
- Implementing AB 856. *Amadou Ba, California Department of Food & Agriculture*
  - OMRI's Perspective on AB 856. *Organic Materials Review Institute representative*
  - How and Why Organic Growers Use Compost. *Michael Brautovich, Earthbound Farms.*
- 6:15 PM EXHIBITOR'S RECEPTION CONVENTION CENTER BALLROOM**
- TRACK 2. FOOD RESIDUALS AND INCREASED DIVERSION LAFAYETTE**
- 10:45 AM FOOD RESIDUALS 1 LAFAYETTE**  
Moderator: Rhonda Sherman, NCSU
- San Francisco's Mandatory Food Composting Collection Experience. *Jack Macy, City & County of San Francisco Department of the Environment, San Francisco, CA*
  - Overcoming Barriers to Increased Commercial, Residential, and Institutional Recycling and Composting of Food Residuals. *Mike Manna, Organic Recycling Solutions, Manchester, NJ*
  - Parallel Universe: Emerging Interest in Food Scraps from Wastewater Utilities – Updates and Perspectives. *Kendall Christiansen and Michael Keleman, Gaia Strategies, Brooklyn, NY*
  - Enabling Community Stewards to Step Forward. *Rod Muir, Sierra Club Canada, Toronto, CAN*
- 12:30 PM LUNCH AVAILABLE IN EXHIBIT HALL CONVENTION CENTER BALLROOM**
- 1:45 PM FOOD RESIDUALS 2 - COLLEGE AND UNIVERSITY, SPECIAL EVENTS LAFAYETTE**  
Moderator: Nick Lapis, Californians Against Waste
- Food Waste Composting at Goshen College. *Lewis Naylor, David Zwier, Hannah Eberly and Glenn Gilbert, Goshen College, Goshen, IN*
  - University of Michigan Campus-Wide Food Waste Composting Options Feasibility Study. *Nicole Chardoul, Resource Recycling Systems, Inc., Ann Arbor, MI, and Tracy Artley, U of Michigan, Ann Arbor, MI*
  - Capturing Organics Key to San Jose's Best in Class Approach to Greening Special Events. *Donna Thurmon, City of San Jose, San Jose, CA*
- 3:30 PM BREAK IN EXHIBIT HALL CONVENTION CENTER BALLROOM**
- 4:15 PM ACHIEVING INCREASED DIVERSION 1 LAFAYETTE**  
Moderator: Carrie Gregory, LRI
- Seattle Mariners and Strategic Partnerships: A Success Story in Waste Diversion and Conservation. *Scott Jenkins, Seattle Mariners, Seattle, WA, and Michele Talucci, Pak-Sher, Kilgore, TX*
  - Diversion and Conversion - Innovative Solutions for Commercial Organics. *Jeff Anderson, City of San Jose, San Jose, CA*
  - Processing Innovations In San Jose. *Emily Hanson, GreenWaste Recovery, San Jose, CA*
  - Auditing Route Participation: a Case Study. *Brian Matthews, Alameda County, CA*
- 6:15 PM EXHIBITOR'S RECEPTION CONVENTION CENTER BALLROOM**
- TRACK 3: ANAEROBIC DIGESTION, RENEWABLE ENERGY, COMPOSTABILITY TESTING STEVEN'S CREEK**
- 10:45 AM ANAEROBIC DIGESTION STEVEN'S CREEK**  
Moderator: Craig Coker, Coker Composting and Consulting
- Challenges and Opportunities in Developing an Anaerobic Digestion Project. *Nadeem Afghani, BIOFerm Energy Systems, Madison, WI*
  - State of the Art of Anaerobic Digestion of Municipal Solid Waste in Europe in 2010. *Luc DeBaere, Bruno Mattheeuws, and Norma Mc Donald, Organic Waste Systems, Dok Noord 4, BE*

- Anaerobic Digestion and/or Composting of Source Separated Organics; an Analysis of the Opportunities and Challenges of Combining These Technologies. *Tim O'Neill, Engineered Compost Systems, Seattle, WA, and Mark Gould, CDM, Cambridge, MA*
- Incorporating High Solids Anaerobic Digestion into an Existing, Successful Composting Facility. *Alexander MacFarlane and Jan Allen, Harvest Power, Waltham, MA*

**12:30 PM LUNCH AVAILABLE IN EXHIBIT HALL**

**CONVENTION CENTER BALLROOM**

**1:45 PM ANAEROBIC DIGESTION AND RENEWABLE ENERGY**

**STEVEN'S CREEK**

*Moderator: Scott Smithline, Californians Against Waste*

- Developing an Organics to Energy Program: Parallel Track Approach to Maximize Benefits. *Zeynep Erdal, CH2M HILL, Santa Ana, CA, Peter Klein, St. Paul Port Authority, St. Paul, MN; Doug Lubben, John Borghesi, CH2M HILL, Mendota Heights, MN, and Marty Reif, CH2M HILL, Chantilly, VA*
- Renewable Energy from Organics: Thermal Energy Recovery from In-Vessel Aerobic Composting. *Joshua Nelson and Brian Jerose, Agrilab Technologies, LLP, Pawlet, VT*
- Methods of Recovering and Utilizing Renewable Energy and Compost from Post-Consumer Organic Materials. *George M. Savage and Luis F. Diaz CalRecovery, Inc., Concord, CA*
- Leveraging Regional Assets for Energy Conversion Initiatives. *Jo Zientek, City of San Jose, San Jose, CA*

**3:30 PM BREAK IN EXHIBIT HALL**

**CONVENTION CENTER BALLROOM**

**4:15 PM COMPOSTABILITY TESTING, CODIGESTION ECONOMIC ANALYSIS, INTEGRATED SYSTEMS STEVEN'S CREEK**

*Moderator: Ginny Black, MN Pollution Control Agency*

- Compostable Products: The Past, Present, and Future, What Every Composter Needs to Know. *Michele Riggs, Cedar Grove Composting, Seattle, WA*
- The Co-Digestion Economic Analysis Tool (CoEAT) ... Because You Have to CoEAT Before You Co-Digest. *Laura Moreno, USEPA, Region 9, San Francisco, CA*
- Improved profitability by combining Wet Anaerobic Digestion with Composting. *Dr. Stefan Kromus, Enbasys GmbH, Austria*
- Case Study-Santa Barbara County: Dry Fermentation Anaerobic Digestion of Mixed MSW Organics. *John Dewey, Mustang Renewable Power Ventures, Newport Beach, CA*

**6:15 PM EXHIBITOR'S RECEPTION**

**CONVENTION CENTER BALLROOM**

**TRACK 4 EMISSIONS, BIOPLASTICS, EDUCATION**

**WINCHESTER**

**10:45 AM AIR EMISSIONS AND ODOR CONTROL**

**WINCHESTER**

*Moderator: Jeff Gage, Compost Design Services*

- Speciation, Ozone Formation Potential and Mitigation of VOCs from Compost. *Peter G. Green, Anuj Kumar, Isabel Faria, Univ. Calif. at Davis, Davis, CA, Robert Horowitz, CA Department of Resources Recycling and Recovery, Sacramento, CA*
- Compost Emissions: Research and Regulatory Progress. *Robert Horowitz, CA Department of Resources, Recycling and Recovery, Sacramento, CA*
- Getting Odors Under Control at an Expanding Large Scale Aerated Static Pile Biosolids Composting Facility. *Tim O'Neill, Engineered Compost Systems, Seattle, WA*
- Benefits Resulting from the Implementation of a Real Time Odor Impact Management System. *Thierry Pagé, Odotech Inc., Montreal, CAN*

**12:30 PM LUNCH AVAILABLE IN EXHIBIT HALL**

**CONVENTION CENTER BALLROOM**

**1:45 PM BIOPLASTIC INNOVATIONS AND CASE STUDIES IN EXPANDED USES**

**WINCHESTER**

*Moderator: Steve Mojo, BPI*

- Bioplastics and Managing Post Consumer Feedstock Streams. *Debra Darby and Robert Whitehouse, Mirel Bioplastics by Telles, Lowell, MA*
- Compostable Thermoplastic Starch/Biodegradable Polyester Polymer Blends. *Edwin Tam, Greg Anderson Teknor Apex Company, Pawtucket, RI, Dr. Basil Favis, McGill University, Montreal, CAN, Pierre Sarazin, Cerestech, Montreal, CA*
- Biodegradation of Compostable Plastic Snack Bags With Metallized Coating in Green-Yard Waste and Food Waste Compost. *Joseph Greene, California State University, Chico, CA*
- Extensive Use of Compostable Shopping Bags in Italy: Synergy and Integration Between Retail Sector and Residential Organics Collection Programs. *Christian Garaffa, Novamont SpA, Novaro, Italy*

**3:30 PM BREAK IN EXHIBIT HALL**

**CONVENTION CENTER BALLROOM**

**4:15 PM EDUCATION**

**WINCHESTER**

*Moderator: Bob Rynk, SUNY Cobleskill*

- Education As the Key to Social Change: Compost Systems at Schools, Retreat Centers and Jails. *Rick Kaye, The Compost Club, Healdsburg, CA*
- Terra Loam, the Living Soil: Compost Education for Primary & Secondary Grades. *Meribeth Sullivan, Waukesha County Recycling Specialist, Waukesha, WI*
- Applying Vulnerability Analysis to Composting Facilities: Assessing Vulnerability and Planning for Recovery. *Nellie J. Brown, CIH, Cornell University – ILR, Buffalo, NY*
- An Analysis of Nigerian High School Students Understanding of the Concepts Composting and Their Attitude Towards Conservation of Natural Resources and Environmental Protection. *Oladele George and Abdulah Ismaila, Osun State College of Technology, Esa Oke, Osun, Nigeria*

**6:15 PM EXHIBITOR'S RECEPTION**

**CONVENTION CENTER BALLROOM**

## Conference Program | Wednesday, Jan 26

7:00 AM EXHIBITS OPEN, BREAKFAST AVAILABLE CONVENTION CENTER BALLROOM

2:30 PM USCC/SWANA CERTIFICATION EXAM FOR MANAGER OF COMPOST PROGRAMS BAYSHORE

**TRACK 1. COMPOST QUALITY, MARKETING AND USE WINCHESTER**

8:30 AM COMPOST QUALITY, URBAN MARKET DEVELOPMENT WINCHESTER

Moderator: Tom Kelley, Harvest Power

- Characterizing Compost and Anaerobic Digester Products. Ron Alexander, R. Alexander Associates, Inc, Apex, NC
- CO2 Respiration of Composts: Volumetric vs Gravimetric Methods and Relevancy to Intended Use. William Brinton, Woods End Laboratories, Mt Vernon, ME
- Compost Market Development in Urban Areas. Sally Brown, College of Forest Resources, University of Washington, Seattle, WA

10:00 AM BREAK IN EXHIBIT HALL CONVENTION CENTER BALLROOM

10:45 AM COMPOST BENEFITS WINCHESTER

Moderator: Lorrie Loder, Synagro

- Using Compost to Improve Water Quality. David Crohn, University of California, Riverside, Riverside, CA
- Compost Effect on Wood Quality of Eucalyptus SRWCS. Donald Rockwood, University of Florida, Gainesville, FL
- Potential of Compost in Improvement of Agroforestry in Nigeria. Badejo Yetunde, Onawumi O.A, Adeoluwa O.O, Forestry Research Institute of Nigeria, Ibadan, Nigeria

12:15 PM AWARDS LUNCHEON - KEYNOTE LUNCHEON PRESENTATION: THERE'S NO SUCH THING AS WASTE - UNTIL IT'S WASTED: COMPOST THE KEY TO A SUSTAINABLE FUTURE. GENE ROSOW, PRODUCER AND DIRECTOR OF "DIRT! THE MOVIE" MAGNOLIA

12:15 PM LUNCH ALSO AVAILABLE IN EXHIBIT HALL CONVENTION CENTER BALLROOM

2:00 PM MARKETING WINCHESTER

Moderator: Sharon Barnes, Barnes Nursery

- Compost Cures the Planet and other well-founded Truths of Marketing Compost. Kathryn Kellogg, Kellogg Garden Products, Carson, CA
- The Ultimate Key to Compost Marketing Success. Tom Kelley, Harvest Power, Inc., Waltham, MA
- Position and Market Your Product(s) to Fully Leverage your Identified Market Segment(s) and Optimize Sales Objectives. David Hill, CycleLogic, Bethesda, MD
- The Psychology of Compost Sales. Ron Alexander, R. Alexander Associates, Inc, Apex, NC

3:45 PM BREAK IN EXHIBIT HALL CONVENTION CENTER BALLROOM

4:30 PM COMPOST USE WINCHESTER

Moderator: Bob Engel, Engel and Grey

- New Compost BMP Design Manual for Sustainable Storm Water Management. Britt Faucette, Filtrex International, Decatur, GA
- Impact of Compost on Biological Control of Plant Diseases. Onawumi Olufisayo, Federal College Of Forestry Ibadan Nigeria, Ibadan, Nigeria
- Expanding the Compost Producer's Residential Lawn Market. Daniel Cote, Ecolawn, Norton, VT
- Effect of *Gliricidia sepium* Leaf Litter and Poultry Manure Compost on the Growth of *Jatropha curcas*. O.P. Duyilemi and D.K.A. Shodeke, Federal College of Forestry, Ibadan, Nigeria

6:30 PM RECEPTION SPONSORED BY THE BIODEGRADABLE PRODUCTS INSTITUTE MEZZANINE

**TRACK 2. TOOLS OF THE TRADE, COMPOST SYSTEM DEVELOPMENTS, BIOSOLIDS TREATMENT AND USE LAFAYETTE**

8:30 AM TOOLS OF THE TRADE LAFAYETTE

Moderator: Jeff Gage, Compost Design Services

- A look at a wide range of field tools and facility procedures you can use for monitoring moisture, temperature, gases, odors, pH, blower performance and compost quality.

10:00 AM BREAK IN EXHIBIT HALL CONVENTION CENTER BALLROOM

10:45 AM COMPOST SYSTEMS 1: AERATED STATIC PILES LAFAYETTE

Moderator: Jeff Ziegenbein, IEUA

- Spotsylvania County's Expanded Composting Facility Applies Aerated Static Pile Technology Advances. Todd Williams, CH2M HILL, Mechanicsville, VA
- Living and Learning With ASP Systems. Michael Bryan-Brown, Green Mountain Technologies, Bainbridge Island, WA, and Jeff Gage, Compost Design Services, Olympia, WA
- Benefits of Positive Forced Aerated Static Pile Composting. John T. Bouey, Managed Organic Recycling, Oakland, CA, and Dr. Eliot Epstein, Epstein Environmental Consultants, Stoughton, MA

12:15 PM AWARDS LUNCHEON - KEYNOTE LUNCHEON PRESENTATION: THERE'S NO SUCH THING AS WASTE - UNTIL IT'S WASTED: COMPOST THE KEY TO A SUSTAINABLE FUTURE. GENE ROSOW, PRODUCER AND DIRECTOR OF "DIRT! THE MOVIE" MAGNOLIA

12:15 PM LUNCH ALSO AVAILABLE IN EXHIBIT HALL CONVENTION CENTER BALLROOM



**3:00 PM BIOSOLIDS COMPOSTING SYSTEMS AND PRODUCT USE****LAFAYETTE***Moderator: Todd Williams, CH2M Hill*

- Potty Talk: Applying Public & Stakeholder Engagement Lessons from Wastewater to Your Technical and Land Use Projects. *Jennifer Garnett, City of San Jose, Environmental Services Dept., San Jose, CA*
- Composting Systems Technologies – Building a Regional, World Class Composting Facility in Response to Increased Urban Challenges. *Jeff Ziegenbein, Inland Empire Utilities Agency, Rancho Cucamonga, CA*
- Utilizing Aerated Static Pile (Asp) and Biofiltration Composting Technology for Biosolids Composting to Meet Air Quality Regulations in the San Joaquin Valley Air Pollution Control District – a Case Study. *Lorrie Loder, Synagro Technologies, LLC, Taft, CA*
- Development of a Biosolids Composting Facility While Meeting Strict 503 Compliance Standards for PFRP and VAR. *Katja Christof, W.L. Gore & Associates GmbH, Putzbrunn, Germany*

**3:45 PM BREAK IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****4:30 PM COMPOST SYSTEMS 2: AERATED WINDROWS, MBT, AGITATED BAYS, COMPARING SYSTEMS****LAFAYETTE***Moderator: Jo Zientek, City of San Jose*

- Continuous Flow Aerated Windrow Composting for Large Waste Volumes. *John Paul, Transform Compost Systems Ltd, Abbotsford, CAN*
- News from MBT Barcelona, Spain: Commissioning, Testing and Operation. *Michael Herken, Taim Weser GmbH, Bad Oeynhausen, Germany*
- Mechanically Enhanced Biodrying of Biosolids Using the Agitated Bay Composting System. *Richard Nicoletti, Siemens Water Technologies, Inc, Shrewsbury, MA, Lewis Naylor, Apple Environmental Services, James Taylor, Town of Merrimack, NH*
- Comparative Evaluation of Different Composting Methods for Municipal Solid Wastes in Istanbul. *Osman A. Arikan, Tuba Isik, Deniz I. Cifci, Mahmut A Itinbaş, Şenol Yıldız, Izzet Öztürk, Istanbul Technical University, Istanbul, Turkey*

**6:30 PM RECEPTION SPONSORED BY THE BIODEGRADABLE PRODUCTS INSTITUTE****MEZZANINE****TRACK 3. VERMICOMPOSTING, MORTALITY COMPOSTING, INTERNATIONAL DEVELOPMENTS, INCREASING DIVERSION, ODOR CONTROL****STEVEN'S CREEK****8:30 AM VERMICOMPOSTING, MORTALITY COMPOSTING****STEVEN'S CREEK***Moderator: Frank Franciosi, Novozymes*

- The Status of Vermicomposting in North America. *Rhonda L. Sherman, NC State University, Dept. of Biological & Agricultural Engineering, Raleigh, NC*
- Large Scale Vermicomposting of Agricultural By-Products. *Thomas Herlihy and Shawn Ferro, Worm Power, Geneseo, NY*
- Assessing the Fate of Barbiturates and Non-Steroidal Anti-Inflammatory Drugs in Composted Livestock Mortality. *Jean Bonhotal and Mary Schwarz, Cornell Waste Management Institute, Ithaca, NY*
- Air Emissions from In-Vessel Rotating Drum and Open Static Pile Composting of Swine Carcasses, Whole and Ground. *Dale Rozeboom, C. Fogiel, Z. Liu, and W.J. Powers, Michigan State University, East Lansing, MI*

**10:00 AM BREAK IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****10:45 AM INTERNATIONAL DEVELOPMENTS 1****STEVEN'S CREEK***Moderator: Rebecca Geraty, St. Louis Composting*

- Compost for Soils: A National Industry and Market Development Program for Australia. *Peter Wadewitz and Angus Johnston, Compost Australia, Wilunga, Australia*
- Environment Impact of Emissions from Compost in Nigeria. *A. Adesida, Federal College of Technology, Ibadan, Nigeria*
- Composting as a Sanitation Alternative in Post-Earthquake Haiti. *Joseph Jenkins, Joseph Jenkins, Inc., Grove City, PA*

**12:15 PM AWARDS LUNCHEON - KEYNOTE LUNCHEON PRESENTATION: THERE'S NO SUCH THING AS WASTE - UNTIL IT'S WASTED: COMPOST THE KEY TO A SUSTAINABLE FUTURE. GENE ROSOW, PRODUCER AND DIRECTOR OF "DIRT! THE MOVIE"****MAGNOLIA****12:15 PM LUNCH ALSO AVAILABLE IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****2:00 ACHIEVING INCREASED DIVERSION 2, LIFE CYCLE ANALYSIS****STEVEN'S CREEK***Moderator: Mike Manna, Organic Recycling Solutions*

- Development of Environmental Markets for Food Waste Diversion Projects. *Scott Subler, Environmental Credit Corp, State College, PA*
- MSW Composting Drives San Jose's Apartment Recycling Program to Zero Waste. *Laura McEwen, City of San Jose, San Jose, CA*
- Public Health Through Urban Farming, and Digestion at Little Earth: a Minneapolis Public Housing Project. *John Madole, Madole Associates, Inc., Minneapolis, MN*
- Total Economic Value of Compost - Results of a Life-Cycle Financial Analysis on Composting and the Use of Compost. *Christopher Bradlee, Thomas Laginess, Keith Edwards, BASF Corporation, Ypsilanti, MI*

**3:45 PM BREAK IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****4:30 PM LAND RESTORATION, ODOR CONTROL****STEVEN'S CREEK***Moderator: Monica Ozores-Hampton, University of Florida*

- Using Organic Waste for Soil Creation in Land Restoration – UK Case Studies. *Paul Gibbs, Andy Whorton, Mike Holt and Jon Smith, 4Recycling Ltd., Garforth GB*
- Experience and Observations on Odor Control. *Fatih Büyüksönmez, San Diego State University, San Diego, CA*
- Effective use of Optimized Bacteria Strains for Odor Control. *Vincent DeLorenzo, Bionetix International, Dorval, Canada*

**TRACK 4. COMPOSTABLE PLASTICS SYMPOSIUM****CYPRESS**

The types, products and uses of compostable plastics are growing, bringing great possibilities, significant challenges, and a lot of uncertainty. Where are these products working? Where are they not, and why? How can you measure success? What are the issues faced by producers, users and composters and how will they get resolved? The USCC is partnering with the California Organics Recycling Committee and the SPI-Bioplastics Council to bring you this one-day “conference-in-a-conference” to educate and foster an informed dialog on this important topic. Attend one session or stay all day!

**8:30 AM COMPOSTABLE PLASTICS 101****CYPRESS**

*Moderator: Michele Young, City of San Jose*

- Overview and context, types of materials (compostable vs biodegradable vs recyclable) *Steve Davies, SPI Bioplastics Council*
- White paper results: regulations, standards and other issues. *Scott Smithline, Californians Against Waste*

**10:00 AM BREAK IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****10:45 AM IDENTIFICATION AND STANDARDS****CYPRESS**

*Moderator: Brenda Platt, Institute for Local Self Reliance*

- Labeling and identification. *Steve Mojo, BPI*
- The Science behind Compostable Plastics and the ASTM Standards. *Ramani Narayan, Michigan State University*
- How are Compostable Plastics Viewed Under the National Organic Program. *Bill Wolf, Organic Trade Association*
- The Composter’s Response. *Jerry Bartlett, Cedar Grove*

**12:15 PM AWARDS LUNCHEON - KEYNOTE LUNCHEON PRESENTATION: THERE’S NO SUCH THING AS WASTE - UNTIL IT’S WASTED: COMPOST THE KEY TO A SUSTAINABLE FUTURE. GENE ROSOW, PRODUCER AND DIRECTOR OF “DIRT! THE MOVIE”**

**MAGNOLIA****12:15 PM LUNCH ALSO AVAILABLE IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****2:00 PM CASE STUDIES****CYPRESS**

*Moderator: Jack Macy, City of San Francisco*

- Matching Biobased Products With Successful Composting. *Heeral Bhalala, Sustainable Biomaterials Collaborative/Institute for Local Self-Reliance, Washington, DC*
- Utilization of BPI Approved Compostable Bags for the Advancement of Residential Source Separated Organics (Kitchen) Diversion – Canadian Case Studies Experience & Lessons Learned. *Dave Douglas, VisonQuest*
- Focus on Special Events. *Mary Munat, Green Mary*
- The Retailer’s Quandary. *Tom Wright, Whole Foods*

**3:45 PM BREAK IN EXHIBIT HALL****CONVENTION CENTER BALLROOM****4:30 PM MOVING FORWARD: DEVELOPING AN ACTION PLAN****CYPRESS**

The USCC is developing a Council-sponsored work group to develop an action plan for addressing the challenges related to plastics and compostability. This roundtable session will summarize key points from the day’s sessions with perspectives from across the Compostable Plastic’s Life Cycle: Manufacturer, User, Collector, Composter and Certifier. Attendees will want to be part of this conversation to help set a course to be followed by the Council work group for the development of:

- Appropriate Product standards
- Realistic Composting Parameters
- Applicable Product Identification
- Collaboration among stakeholders, including USCC members, compostable product manufacturers, analytical labs and government agencies

*Facilitator: Debra Darby, Mirel/USCC Board Member*

## Conference Program | Thursday, Jan 27

### “Live” Equipment Demonstrations at the Newby Island Compost Facility & Facility Tours of Newby Composting and Zanker Materials Processing Facility

**7:00 AM BUSES DEPART FOR NEWBY**

**LOCATION TBD**

The Equipment Demonstrations will feature state-of-the-art equipment from more than 25 manufacturers, including:

- Grinding and shredding equipment from Rotochopper, Peterson, Komptech, Morbark, Duratech, Hammel, Doppstadt USA, Bandit Industries and Vermeer Corporation.
- Screening equipment from McCloskey International, Doppstadt USA, Komptech, Terra-Select and Wildcat
- Air classification equipment by Airlift Separator/Hawker Corp., Terra-Select and Komptech
- Waste reduction/Pulper and Hydra-Extractor by Somat
- Mixing Equipment from ROTO-MIX and Supreme International
- Screening buckets and other attachments from Allu
- Turning equipment from Komptech, Vermeer Corporation, Backhus, Scarab Manufacturing and Midwest Biosystems
- Bagging Equipment by Rotochopper
- Compost Application Equipment by Ecolawn
- Front end Loaders and Excavators from CAT (by Peterson Tractor)

- Sponsors: Luncheon by Vermeer Corporation, support equipment by Peterson Tractor, hard hats by Komptech and bottled water by Midwest Biosystems

Following the luncheon there will be guided tours of the Newby Island Composting Facility and Zanker Road Materials Processing Facility. Newby Island features a large-scale windrow composting operation. Feedstocks processed include yard trimmings and biosolids. Newby Island is a producer of high quality compost products that satisfy a large and diverse customer base. Zanker Road Resource Management Ltd. is a full-service resource management and recycling facility. The two adjacent facilities process more than 2,000 tons of mixed debris per day with an average diversion rate of 81%. The tour will include their new soils blending area, colored mulch operation, gypsum recycling operations, two wood grinding and two-demolition processing areas, concrete recycling facility and a 260' C&D sortline.

NOTE: There is NO private car parking at the demonstration area. If you drive your own vehicle, please park at the entrance to the landfill. A shuttle bus will bring you to the demonstrations. There will be a bus departing to the airports at 12:30, and shuttles back to the hotel begin around 1:15. Plenty of time will be available for tours and for visits with equipment demonstrators.

The U.S. Composting Council would like to thank the following companies for their generous support of the 19th Annual Conference.

**DOUBLE GOLD: CONTRIBUTION OF \$15,000 to \$19,999**

The City of San Jose

**DIAMOND: CONTRIBUTION OF \$10,000 to \$14,999**

Waste Handling & Equipment News (WHEN)  
The Biodegradable Products Institute  
MSW Management Magazine  
Chamness Technology

**PLANTINUM: CONTRIBUTION OF \$7,500 to \$9,999**

Environmental Credit Corporation  
Resource Recycling Magazine  
Portable Plants & Equipment  
Vermeer Corporation  
BioCycle Magazine  
Composting News  
Recology

**GOLD: CONTRIBUTION OF \$5,000 to \$7,499**

Allied Waste/Republic Services  
Recycling Product News  
Waste Management  
Z-Best Products  
BASF/EcoFlex  
Heritage Bag  
CalRecycle  
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Synagro

**SILVER: CONTRIBUTION OF \$2,500 to \$4,999**

Alameda County Waste Management Authority  
Scarab Manufacturing and Leasing  
City and County of San Francisco  
Green Roofs for Healthy Cities  
Peninsula Compost Company  
Biogroup USA (Biobag)  
Supreme International  
Gore Cover Systems  
Komptech USA, Inc.  
NatureWorks, LLC  
NCM Odor Control  
Harvest Power  
A-1 Organics

**BRONZE: CONTRIBUTION of \$1,000 to \$2,499**

EcoSafe 6400 Compostable Bags  
Soil and Mulch Producer News  
Mirel Bioplastics by Telles  
Kellogg Garden Products  
Cedar Grove Packaging  
REOTEMP Instruments  
Bradco Environmental  
St.Louis Composting  
Midwest Bio-Systems  
Good Green Graces  
City of Santa Clara  
American Recycler  
Amadas Industries  
We Care Organics  
ALLU Group  
ROTO-Mix  
Glad Bag  
Pak-Sher  
Agromin

**BENEFACTOR: CONTRIBUTION of \$500 to \$999**

Resource Recovery Systems International - KW Composters  
California Organics Recycling Council (CORC)  
SPI Bioplastics Council  
Kessler Consulting  
DT Environmental



## Monday | Jan 24 | Pre-Conference Training & Workshops

Course	Time	Location
<p>Aerated Static Pile Composting - Applications and Advancements. <i>Instructor: Peter Moon, PE. O2 Compost</i></p> <p>This course is for experienced composters who would like to expand beyond the basics of leaf and yard waste composting into food residuals, manures and other challenging materials. Participants will learn the differences among various systems, how to determine fan size and piping, and what kind of environmental protection and permitting is needed. Many example aerated compost systems will be discussed, ranging in size from 2.5 to 25,000 cubic yards and processing all varieties of organic by-products from municipal, institutional and agricultural sources. This workshop includes group exercises, useful planning tools, and an open format to explore student's specific needs.</p>	9:00am-3:00 pm	Stevens Creek
<p>Aspects of Facility Design: Planning, System Selection and Environmental Management <i>Instructor: Eliot Epstein</i></p> <p>This workshop is for facility developers and planners on key considerations for new facilities or major expansion. It will provide important information on planning, design concepts, system selection, and environmental management.</p>	8:30 am -noon	San Tomas
<p>Challenges and Solutions for a Successful Food Waste Recycling Program <i>Instructors: Mike Manna, Organic Recycling Solutions, Peter Klaich, Chamness Technology</i></p> <p>This workshop will address the numerous challenges generators, haulers and compost facilities face when participating and implementing a comprehensive food waste recycling program. Issues will include, "When is the volume too small", "How much food waste is generated by different industries", "Will a waste audit be necessary", "How does this program change the work culture in a facility", "How many accounts justify a route", "What type of collection will be required, Toter or Compactor", "To liner or not to liner, that is the question", "What type of vehicle is required", "How to develop a generator compliance and monitoring program", "How much contamination is too much", "Accepting biodegradable material, Pro's and Con's", "Is pre and post consumer food waste permitted", "What are the issues in accepting post consumer food waste", "What factors are involved in developing a tip fee".</p>	8:00 am-noon	Lafayette
<p>Compost Benefits and Usage in Vineyards: Growing Better Grapes, Recipes, Compost Applications and Compost Production <i>Instructor: Bob Shaffer, Soil Culture Consulting, Glen Ellen, CA</i></p> <p>Concepts, practices and "how to's" of high quality compost production and use for winegrape vineyards will be discussed. The course will provide practical information and training for composters, vineyard managers and viticulturists to use simple, economical and effective methods for producing and using high quality compost from recycled vineyard and winery organic matter. The information presented will help viticulturists to understand the selection of recycled winery materials for composting, determining what method to process recycled organic matter with and how to determine the best uses of compost to benefit your soil health, vine health and wine quality.</p>	8:30 am-4:30 pm	Bayshore East
<p>Compost Business Management. <i>Instructors: Craig Coker, Coker Composting and Consulting, Tom Spiggle, Esq., &amp; Andrew Kessler, Turning Earth LLC</i></p> <p>This program will be of benefit to both newcomers and experienced composters. The seminar covers the business management aspects of developing and running a compost business. Topics to be covered will include: the basics of business management, developing a new composting business, business expansion and growth, and exiting a business, among other topics.</p>	8:30 am-4:30 pm	Lawrence
<p>Compost Outreach: Best Practices in Compost Education Programs. <i>Instructor: Stan Slaughter, Eco-Troubadour</i></p> <p>Covering a broad range of educational ideas and settings, Stan Slaughter, long-time compost (and recycling) educator, will share his own experiences, along with results and stories from some of his clients and send you home with new ideas for your own programs.</p>	8:30 am -noon	Napa
<p>Compost Production for Food Safety. <i>Instructors: Johnny Massa, ComGro Products, Pat Millner, USDA-ARS, Carrie Gregory, LRI, Mike Villaneva, Leafy Greens Marketing Agreement</i></p> <p>Recent increases in food-borne illnesses are prompting new food safety regulations. While compost has never been shown to be a source of illness, growers, packers and purchasers are increasingly cautious. Commercial agriculture, both organic and conventional, is a huge potential market for high-quality compost, but will require the composter to take extra precautions to be successful. This workshop will provide both the background to understand the reason for caution and guidance on how to minimize the risks.</p>	1:00 pm – 5:00 pm	Lafayette

<p>Compost Sales and Marketing Workshop. <i>Instructor: Ron Alexander, RA Associates</i></p> <p>Provides training for compost sales and marketing staff on the basics of compost marketing and sales. The workshop provides marketing insight and sales techniques for new, as well as veteran, compost sales staff. Subjects will include: understanding the product (and how it fits into a marketing strategy), best practices in compost marketing, marketing plan components, general sales principles and requirements, staffing, sales approaching to the major compost markets, devising sales 'pitches', completing the 'sales call', dealing with objections, and more...</p>	<p>9:00 am-3:00 pm</p>	<p>Alameda</p>
<p>Compost Use in Agriculture, Horticulture and Landscaping. <i>Instructors: Dr. Monica Ozores-Hampton, Dr. Donald Rockwood, Dr. Ronald French-Monar, University of Florida/SWFREC</i></p> <p>Once compost has passed regulatory health and safety standards, fruit, vegetable, ornamental and organic growers and producers are interested in potential benefits of its use. Appropriate compost utilization for agriculture, horticultural and landscape products must ensure a proper balance between organics, applied nutrients and the nutrients needs of the particular crop being produced. Consideration must also be given to potentially harmful effects such as plant phytotoxicity and the presence of heavy metals. Workshop participants will learn proper compost use for specific crops and other applications. Training will be based on composting principles and promote the improvement of soil physical, chemical and biological properties by the correct use of composts.</p>	<p>9:00 am-4:00 pm</p>	<p>Camino Real</p>
<p>Management of Odor Issues at Compost Facilities. <i>Instructor: Jeff Gage, Compost Design Services</i></p> <p>This workshop will provide information and discuss odor management for various handling systems and control technologies for composting. Methods of odor assessment will be presented. Odor modeling and its value will be discussed. There have been several studies concerning odor as a potential public health issue. As a result there have been several legal actions against operators. This aspect will also be discussed.</p>	<p>1:00 pm -5:00 pm</p>	<p>San Tomas</p>
<p>Protecting Workers: Conducting Job Hazard Analysis For Composting Facilities <i>Instructor: Nellie Brown, CIH, Health &amp; Safety Programs, Cornell University</i></p> <p>As employees become more experienced, their plant safety walkarounds and evaluations can become less thorough – people have seen the same workplace so often that they don't really "see" it anymore. They can overlook hazards and risks because of their familiarity; yet their knowledge and experience is a valuable and decided advantage for doing workplace assessments. Job hazard analysis could be made a more effective workplace evaluation tool by making sure that a wide range of potential hazards have been explored in a structured way so as to reduce the possibility of overlooking the familiar. While evaluating job hazards and potential solutions, exposures can be evaluated for persons with religious or cultural concerns or for those who might be at greater risk due to genetic predisposition or disability so that their issues can be addressed, as well. Adding concerns about diversity and disability enables scientific information to overcome any stereotypical assumptions about certain conditions or work activities so that real risk can be separated from perceptions, myths, and fears</p>	<p>8:00 am-noon</p>	<p>Bayshore West</p>
<p>USCC Foundations of Composting. <i>Instructors: Dr. Robert Rynk, SUNY Cobleskill &amp; Matt Cotton, IWM Consulting</i></p> <p>The course will provide a solid understanding of the foundations of composting for operators, managers and regulators. The course will train new composters on the basic principles and techniques of composting and will reacquaint veteran composters with the underlying fundamentals of their profession.</p>	<p>8:30 am-4:30 pm</p>	<p>Winchester</p>
<p>When Bad Things Happen at Your Composting Facility – Imagining What Can Go Wrong and How You Can Recover. <i>Instructor: Nellie Brown, CIH, Health &amp; Safety Programs, Cornell University</i></p> <p>Crises, such as natural disasters, injuries, process failures, odor problems, lawsuits, perceptions by neighbors, financial problems, to name a few examples, may affect the viability of a composting operation -- demonstrating the need to think strategically about a composting facility's vulnerability to crises. Facility managers have responsibility for assessing risks so that they can prevent crises or lessen their impact. Vulnerability analysis takes the broadest view of your workplace by helping you to identify the wide range of potential crises or disasters your workplace could encounter. In today's world, it is no longer a question of whether a crisis will happen at your workplace, but rather when, which type, and how it will occur. By performing a crisis audit, a composting facility can begin exploring the range of crises to which it may be vulnerable. The results of the audit can then be used to envision potential crisis scenarios for each type of crisis family. The process of developing plans for recovery and business/operation continuity can then be conducted for at least one crisis scenario in each type of crisis family, paying particular attention to any potential recovery tasks which can be performed in advance. Good crisis planning can turn a critical incident into a non-event.</p>	<p>1:00 pm – 5:00</p>	<p>Bayshore West</p>



# 19<sup>th</sup> Annual Conference and Trade Show Schedule “At a Glance”

## Monday | January 24, 2011 | Pre-Conference Training & Workshops

9:00 am - 3:00 pm	Aerated Static Pile Composting - Applications and Advancements.	Stevens Creek	9:00 am-3:00 pm	Compost Sales and Marketing Workshop.	Alameda
8:30 am - noon	Aspects of Facility Design: Planning, System Selection and Environmental Management	San Tomas	9:00 am-4:00 pm	Compost Use in Agriculture, Horticulture and Landscaping.	Camino Real
8:00 am - noon	Challenges and Solutions for a Successful Food Waste Recycling Program.	Lafayette	1:00 pm -5:00 pm	Management of Odor Issues at Compost Facilities.	San Tomas
8:30 am - 4:30 pm	Compost Benefits and Usage in Vineyards: Growing Better Grapes, Recipes, Compost Applications and Compost Production.	Bayshore East	8:00 am-noon	Protecting Workers: Conducting Job Hazard Analysis For Composting Facilities	Bayshore West
8:30 am - 4:30 pm	Compost Business Management.	Lawrence	8:30 am-4:30 pm	USCC Foundations of Composting.	Winchester
8:30 am - noon	Compost Outreach: Best Practices in Compost Education. Programs,	Napa	1:00 pm – 5:00	When Bad Things Happen at Your Composting Facility – Imagining What Can Go Wrong and How You Can Recover	Bayshore West
1:00 pm – 5:00 pm	Compost Production for Food Safet,	Lafayette			
12:00 noon – 1:00 pm	Lunch – Only for Registrants taking a Full Day of Workshops				Magnolia
11:00 am – 6:00 pm	Registration and Exhibitor set up				Convention Center Ballroom
3:00 pm – 5:00 pm	POWER (Perishable Organics Waste to Energy Recycling) Meeting				Napa
5:15 pm	Annual Membership Meeting				Stevens Creek

## Tuesday | January 25, 2011

7:00 am – 8:30 pm	Exhibit Hall open — Continental Breakfast available — Convention Center Ballroom			
8:30 am – 10:00 am	Plenary Session: Envisioning the Organics Management Facility of the Future			Santa Clara Ballroom
10:00 am – 10:45 am	Break in Exhibit Hall			
	<b>Track 1   INDUSTRY GROWTH, REGULATIONS, ORGANIC AGRICULTURE MARKET IN CA</b>	<b>Track 2   FOOD RESIDUALS AND INCREASED DIVERSION</b>	<b>Track 3   ANAEROBIC DIGESTION, RENEWABLE ENERGY, COMPOSTABILITY TESTING</b>	<b>Track 4   EMISSIONS, BIOPLASTICS, EDUCATION</b>
	<b>Cypress</b>	<b>Lafayette</b>	<b>Steven’s Creek</b>	<b>Winchester</b>
10:45 am – 12:30 pm	Composting Industry Growth.	Food Residuals 1	Anaerobic Digestion	Air Emissions and Odor Control
12:30 pm – 1:45 pm	LUNCH available in Exhibit Hall			
1:45 pm – 3:30 pm	Regulations and Carbon Credits	Food Residuals 2 - College and University, Special Events	Anaerobic Digestion and Renewable Energy	Bioplastic Innovations and Case Studies in Expanded Uses
3:30 pm – 4:15 pm	BREAK in Exhibit hall			
4:15 pm – 6:00 pm	Selling Compost to Certified Organic Farms: The impact of CA AB 856	Achieving Increased Diversion 1	Compostability Testing, CoDigestion Economic Analysis, Integrated Systems	Bioplastic Innovations and Case Studies in Expanded Uses

6:15 PM	EXHIBITORS' RECEPTION in Exhibit hall			
<b>Wednesday   January 26, 2011</b>				
7:00 am – 8:30 am	Continental Breakfast in Exhibit Hall			
	<b>Track 1   COMPOST QUALITY, MARKETING AND USE</b>	<b>Track 2   TOOLS OF THE TRADE, COMPOST SYSTEM DEVELOPMENTS, BIOSOLIDS TREATMENT AND USE</b>	<b>Track 3   VERMICOMPOSTING, MORTALITY COMPOSTING, INTERNATIONAL DEVELOPMENTS, INCREASING DIVERSION, ODOR CONTROL</b>	<b>Track 4   COMPOSTABLE PLASTICS SYMPOSIUM</b>
	<b>Winchester</b>	<b>Lafayette</b>	<b>Steven's Creek</b>	<b>Cypress</b>
8:30 am – 10:00 am	Compost Quality, Urban Market Development	Tools of the Trade	Vermicomposting, Mortality Composting	Compostable Plastics 101
10:00 am – 10:45 am	Break In Exhibit Hall			
10:45 am – 12:15 pm	Compost Benefits	Compost Systems 1: Aerated Static Piles	International Developments 1	Compostable Plastics: Standards and Industry Status
12:15 pm – 2:00 pm	Annual Awards Luncheon—Keynote Speaker Gene Rosow—Magnolia (lunch also available in Exhibit Hall)			
2:00 pm – 3:45 pm	Marketing	Biosolids Composting Systems and Product Use	Achieving Increased Diversion 2, Life Cycle Analysis	Case Studies
2:30 pm – 5:30 pm	USCC/SWANA Certification Exam for Manager of Compost Programs – Bayshore			
3:45 pm – 4:30 pm	Break In Exhibit Hall			
4:30 pm – 6:00 pm	Compost Use	Compost Systems 2: Aerated Windrows, MBT, Agitated Bays, Comparing Systems	Land Restoration, Odor Control	Moving Forward: Developing an Action Plan
6:30 pm – 8:00 pm	Reception hosted by Biodegradable Plastics Institute -- Mezzanine			
7:00 pm – 11:00 pm	Dirt – The Movie! (2 screenings) Santa Clara			
<b>Thursday   January 27, 2011</b>				
7:00 am – 3:30 pm	“Live” Equipment Demonstrations & Facility Tours at the Newby Island Compost Facility and Zanker Materials Processing Facility			

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