Virginia Recycling Association’s
24th Annual Conference and Trade Show

FOR RECYCLING
2016

Making choices for the future of recycling

May 9-11, 2016
The Hotel Roanoke and Conference Center
Roanoke, Virginia
Welcome to the 24th Annual Virginia Recycling Association Conference
· the leading resource for recycling, solid waste and litter information in Virginia ·

Debbie Spiliotopoulos, President
Northern Virginia Regional Commission

Erica Carter, Vice President
Fairfax County

Craig Coker, Treasurer
Coker Composting & Consulting

Allison Lohrenz, Secretary
Arlington County

Joel W. Andrus
Kemper Consulting, Inc.

John Birkholz
AERC Recycling Solutions

Fred Cornell
Sims Metal Management

Danny Davis
Buchanan County

Richard East
Hampton University

Toby Edwards
Cumberland Plateau and Regional Waste Authority

Virginia Butler, Ex Officio
Virginia Department of Environmental Quality

Margaret Eldridge, Association Manager

John Snarr, Volunteer Webmaster

THANK YOU!
The following people dedicated their time and talents to make this conference educational, forward-thinking and fun:
Joel Andrus, Billy Basham, John Birkholz, Erica Carter, Fred Cornell, Craig Coker, Erica Trout, Skip Decker, Toby Edwards, Allison Lohrenz, Clara Mills, Marion Plummer, John Snarr, Debbie Spiliotopoulos, Lester Turner

Meet Our Sponsors & Exhibitors

Southeastern Agency Group, Inc.  www.sagnc.com
Southeastern Agency Group, Inc. provides for the insurance needs for clients throughout the Southeastern United States. Building long lasting relationships was our goal when we began back in 1902 and it remains our commitment and focus today.

TFC Recycling  www.tfcrecycling.com
Commercial and municipal residential recycling and solid waste removal. Cutting edge technology to process the materials it collects from businesses and residents in Virginia and North Carolina.

Trex  www.trex.com
Turns millions of pounds of reclaimed plastic and waste wood each year into Trex decking. Raw materials come from recycled plastic grocery bags, reclaimed pallet wrap and waste wood.

Virginia Tech Center for Organizational and Technological Advancement (COTA)  www.cota.vt.edu
Virginia Tech established the Center for Organizational and Technological Advancement in 1994 to foster best practices and innovation across professions and sectors - business, industry, K-12 and post-secondary education, government, and nonprofit. The Center team develops public and contract programs for delivery at the historic Hotel Roanoke and Conference Center (HRCC) in Roanoke, Virginia. The hotel and conference center is an example of a campus-community partnership between Virginia Tech and the City of Roanoke. The Center also administers a small grant program to support program development and conferences at the HRCC.

Wastequip/Toter  www.wastequip.com
The leading manufacturer of waste handling & recycling equipment, we specialize in systems and solutions to collect, store, transport and handle a wide range of wastes. We manufacture a variety of quality products including dumpsters, waste handling equipment, compactors, balers and a complete line of both steel & plastic waste handling equipment products for easy one-stop sourcing.

WestRock formerly RockTenn)  www.mwv.com
WestRock delivers low-cost, high-value paperboard, packaging and marketing solutions to a wide range of markets. All of WestRock’s North American facilities are triple chain-of-custody certified to the standards of the Sustainable Forestry Initiative® and Forest Stewardship Council™ FSC-C104002.
Meet Our Sponsors & Exhibitors

RDS—Recycling & Disposal Solutions  www.rds-virginia.com
Whether your business is industrial, commercial, retail or wholesale, private sector or municipality, RDS-Virginia can create a program specifically for you, inside your building or out, install needed equipment, then implement and monitor your plan.

Rehrig Pacific Company  www.rehrigpacific.com
The industry and market share leader in recycle bins, roll-out carts and rotationally molded commercial containers across North America. Rehrig offers a growing number of container asset management and service tracking programs for their customers as well.

Republic Services, Inc.  www.republicservices.com
Serves millions of residential customers under contracts with more than 3,000 municipalities for waste collection and residential services.

Re-TRAC Connect  www.re-trac.com
Re-TRAC Connect is software that transforms the way local governments manage and measure their waste and recycling programs. Over 24,000 waste management professionals across North America trust Re-TRAC to efficiently collect, manage, and analyze recycling and solid waste data.

Sims Metal Management  www.simsmm.com
With operations encompassing the buying, processing and selling of ferrous and non-ferrous recycled metals. Network of processing facilities, many with deep-water port access, supported by an extensive network of feeder yards from which to source recyclable ferrous and non-ferrous metals.

Sonoco  www.sonoco.com
One of the world’s largest recyclers, collecting more than 3.5 million tons per year of various grades of paper, plastic, metal and other materials. Secure, reliable and innovative recycling solutions.

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**Agenda**

**MONDAY, MAY 9th**

<table>
<thead>
<tr>
<th>10:00 a.m. - 4:00 p.m.</th>
<th>NRC Board meeting</th>
<th>Monroe</th>
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<tbody>
<tr>
<td>1:00 p.m.—2:30 p.m.</td>
<td>Recycling Disposal Solutions MRF Tour</td>
<td>Lower Level Foyer</td>
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<tr>
<td>3:00 p.m.—5:00 p.m.</td>
<td>Downtown Roanoke Business Recycling Tour</td>
<td>Lower Level Foyer</td>
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<tr>
<td>6:30 p.m.</td>
<td>Dinner</td>
<td>Fortunato, 104 Kirk Avenue, SW</td>
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**TUESDAY, MAY 10th**

<table>
<thead>
<tr>
<th>8:00 a.m. - 5:00 p.m.</th>
<th>Registration, Exhibit Hall and Break Open</th>
<th>Lower Level Foyer</th>
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<tbody>
<tr>
<td>9:00 a.m.—9:05 a.m.</td>
<td>Welcome</td>
<td>Virginia Recycling Association</td>
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<tr>
<td></td>
<td>Debbie Spiliotopoulos, President</td>
<td>Doug Bowers, Mayor — City of Roanoke</td>
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<tr>
<td>9:05 a.m.—10:00 a.m.</td>
<td>Keynote</td>
<td>Joe Pickard—Institute of Scrap Recycling Industries, Inc.</td>
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<tr>
<td>10:00 a.m. - 10:15 a.m.</td>
<td>Break</td>
<td>Lower Level Foyer</td>
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<tr>
<td>10:15 a.m.—11:45 a.m.</td>
<td>Combatting Contamination through Education</td>
<td>Washington</td>
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<td>Moderator: John Birkholz</td>
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<td>• Mary McClellan—ReCommunity Recycling</td>
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<td>• Alex Arnett—City of Greensboro, NC</td>
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<td>• Heather Cashwell—North Carolina Department of Environmental Quality</td>
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<td>• Teresa Sweeney—Montgomery Regional Solid Waste Authority</td>
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</tbody>
</table>
TUESDAY, MAY 10th (continued)

11:45 a.m. - 12:00 p.m.

Break Commonwealth Lounge

Meet Our Sponsors & Exhibitors

BE Equipment
BE Equipment sells and services recycling equipment, waste reduction equipment, and solid waste handling equipment. We offer a wide variety of new, reconditioned and used recycling equipment including but not limited to: balers, conveyors, sorting systems, shredders, commercial/industrial compactors, MRF systems, core strippers, and briquetters.
www.beequipment.com

Glasdon, Inc.
50 years ago, convinced of the potential of plastic material, Glasdon pioneered the use of plastic material for road signs and street furniture, which offered low cost and long life compared to conventional materials. Today, Glasdon remains a market leader in the supply of recycling bins, trash receptacles, cigarette units, benches and safety equipment.
www.glasdon.com

MXI Environmental
In 2001 MXI built a custom Materials Recovery Facility in Abingdon, to provide services for universal and industrial waste disposal management and offer beneficial reuse of exempt hazardous waste. The MRF has a Distilled Spirits Plant onsite, enabling MXI to recycle and reclaim fuel grade ethanol from streams containing alcohol.
www.mxiiinc.com

OmniSource
OmniSource Corporation is one of North America's largest processors and distributors of scrap metals. Our more than 70 U.S. scrap collection and processing facilities, including 11 operating shredders, provide the capacity to process 7 million tons of ferrous scrap annually, and more than a billion pounds of nonferrous metals.
www.omnisource.com

PowerHouse Recycling, Inc.
PowerHouse Recycling is a leader in certified electronics recycling, IT asset management, and data destruction services. PHR generates customized recycling solutions for large corporations, government agencies, universities, and more. PHR has developed a customer first, high levels of service brand.

12:00 p.m. - 1:00 p.m.

Lunch Crystal D-E
Bob Gedert, President - National Recycling Coalition

1:00 p.m.—1:15 p.m.

Break Commonwealth Lounge

Universal Waste and E-Waste Wilson
Moderator: John Birkholz
• Megan Tabb—Synergy Recycling
• Rob Taylor—North Carolina Department of Environmental Quality

Reasonable Next Steps -- Basics, to Contracting, to Best Options for High Performers Monroe
Moderator: Scott MacDonald
• Lisa Skumatz, Ph.D.—Skumatz Economic Research Associates (SERA)

2:00 p.m.—2:15 p.m.

Break Commonwealth Lounge

2:15 p.m.—3:00 p.m.

Glass—Looking at All the Facets Wilson
Moderator: Tracy Nestor
• Mike Smaha—Owens Illinois
• Tad Phillips—TFC Recycling

Recycling Policy & Legislation Monroe
• Joel Andrus - Kemper Consulting, Inc.

3:00 p.m.—3:30 p.m.

Break Commonwealth Lounge
TUESDAY, MAY 11 (continued)

3:30 p.m.—5:00 p.m.
Virginia DEQ Update
Moderator: Kathy Russell
- Virginia Butler—Virginia Department of Environmental Quality
- Sanjay Thirunagari—Virginia Department of Environmental Quality

Heads Up for Litter Prevention and Recycling
Innovative ways of using technology and social media for today's environmental educator
Moderator: Clara Mills
- Nancy Drumheller - Central Virginia Waste Management Authority
- Clara Mills - Spotsylvania County
- Gloria Puffinburger - Frederick County

5:00 p.m. - 6:00 p.m.
Litter Council Meeting
Tinker

5:30 p.m. - 7:00 p.m.
Networking reception and corn hole tournament
Lower Level Lobby & Courtyard

COMING FALL 2016
VRA Annual Meeting and Recycling Awards
Stay tuned for more information
Awards nominations now available: www.vrarecycles.org/Awards/
WEDNESDAY. MAY 11th

8:00 a.m. - 12:00 p.m.
Registration and Exhibit Hall Open
  Lower Level Lobby

8:00 a.m. - 9:30 a.m.
Breakfast
  Commonwealth Lounge

9:00 a.m. - 10:30 a.m.
Markets Plenary
  Washington
  Moderator: Fred Cornell
  • Electronics—Joe Clayton, MRP Company
  • Metal—Andy Cohn, Sims Metal Management
  • Organics — Craig Coker, Coker Composting and Consulting
  • Paper—Mark Worten, Sunoco
  • Plastic—Ray Hughes, BPR Plastics

11:00 a.m. - 12:00 p.m.
Recycling Difficult Packaging
  Wilson
  Moderator: Erica Carter
  • Dr. Jacquelyn K. Nagel, - Department of Engineering, James Madison University
  • Matt Todd — Resource Recycling Systems

Organics
  Monroe
  Moderator: Craig Coker
  • Jim Wollschalger—Organix Solutions - Expansion of Organics   Diver-
  sion for Waste Management and Energy Recovery
  • Michael Badzmierowski—Virginia Tech - Organic Amendments Improve Tall Fescue Growth in Urban Soils
  • Kristel Riddervold—City of Charlottesville - Dipping a Toe in the Compost Collection Pool

At the end of the conference, drop off your name badge at the registration table. We’ll use them again next year. Thanks!

Don’t be left high and dry!
Make plans early to attend……

VRA 25th Annual Conference and Trade Show
May 15—17, 2017
Hilton Virginia Beach Oceanfront
voted a “Best Hotel in 2015” by U.S. News & World Report
<table>
<thead>
<tr>
<th>Time</th>
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<td>Universal Waste and E-Waste (Wilson)</td>
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<td>Next Steps (Monroe)</td>
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<td>Break</td>
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<td>Glass (Wilson)</td>
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<td>12:00</td>
<td>Program closes: Departure</td>
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